



Kincaid Generation, LLC
1500 Eastport Plaza Dr.
Collinsville, IL 62234

January 30, 2025

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

Re: Kincaid Ash Pond (IEPA ID: W0218140002-01) 2024 Annual Consolidated Report

Dear Mr. LeCrone:

In accordance with 35 IAC § 845.550, Kincaid Generation, LLC is submitting the annual consolidated report for the Kincaid Ash Pond (IEPA ID: W0218140002-01), as enclosed.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Phil Morris', is written over a faint, light blue circular background.

Phil Morris
Senior Environmental Director

Enclosures

Annual Consolidated Report
Kincaid Generation, LLC
Kincaid Power Plant
Ash Pond; IEPA ID: **W0218140002-01**

In accordance with 35 IAC § 845.550, Kincaid Generation, LLC 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** **Kincaid Power Plant**

Prepared for:



Kincaid Generation, LLC

Kincaid Power Plant
4 Miles West of Kincaid on Route 104
Kincaid, IL 62540

November 2024

**Kincaid Power Plant
ANNUAL CCR FUGITIVE DUST CONTROL REPORT**

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

Completed by: Stephen Wait

Name

Plant Manager

Title

This Annual CCR Fugitive Dust Control Report has been prepared for the Kincaid 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 Kincaid 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 in CCR surface impoundment.
	Water areas of exposed CCR in CCR unit, as necessary.
	Naturally occurring grass vegetation in areas of exposed CCR in CCR surface impoundment.
Handling of CCR at the facility	Wet sluice CCR bottom ash to the CCR surface impoundment.
	Pneumatically convey dry CCR fly ash to storage silos in an enclosed system.
	CCR bottom ash removed from the CCR surface impoundment and loaded into trucks for transport remains conditioned during handling.
	Load CCR transport trucks from the CCR fly ash silos in a partially enclosed area.

**Kincaid Power Plant
ANNUAL CCR FUGITIVE DUST CONTROL REPORT**

CCR Activity	Actions Taken to Control CCR Fugitive Dust
Handling of CCR at the facility	Perform housekeeping, as necessary, in the fly ash loading area.
	Operate fly ash handling system in accordance with good operating practices.
	Maintain and repair as necessary dust controls on the fly ash handling system.
Transportation of CCR at the facility for onsite and offsite disposal	Cover or enclose trucks or containers used to transport CCR fly ash.
	Limit the speed of vehicles to no more than 15 mph on facility roads.
	Cover or enclose trucks or containers used to transport CCR other than fly ash, as necessary.
	Watering roads used to transport CCR materials, as needed.
	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. No corrective actions were needed during the reporting period. No revisions or additions to control measures identified in the Plan were needed. No material changes occurred in the reporting year in site conditions potentially resulting in CCR fugitive dust becoming airborne at the facility that warrant amendment of the Plan.

Section 2 Record of Citizen Complaints

No citizen complaints were received regarding CCR fugitive dust at Kincaid Power Plant 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	Kincaid Generation, LLC Sangamon County, Illinois 62540 10/2/2024
Operator Name / Address	Luminant Generation Company LLC 6555 Sierra Drive, Irving, TX 75039
CCR unit	Ash Pond

INSPECTION REPORT 35 IAC § 845.540

Date of Inspection 10/26/2021

(b)(1)(D) The annual hazard potential classification certification, if applicable (see Section 845.440).	Based on a review of the CCR unit's annual hazard potential classification, the unit is classified as a Class II CCR surface impoundment.
(b)(2)(A) Any changes in geometry of the structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, no changes in geometry of the structure have taken place since the previous annual inspection.
(b)(2)(B) The location and type of existing instrumentation and the maximum recorded readings of each instrument since the previous annual inspection	See the attached.
b)(2)(C) The approximate minimum, maximum, and present depth and elevation of the impounded water and CCR since the previous annual inspection;	See the attached.
b)(2)(D) The storage capacity of the impounding structure at the time of the inspection	Approximately 5600 acre-feet
(b)(2)(E) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 2400 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

Date of Inspection 10/26/2021

(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.



Illinois PE No. 062-054206, Expires: 11/30/2025

Date: 12/13/2024

Site Name: Kincaid Generation, LLC

CCR Unit: Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
KIN-001	Piezometer	588.0'
KIN-002	Piezometer	600.2'
KIN-003	Piezometer	601.5'
KIN-004	Piezometer	599.0'
KIN-005	Piezometer	594.0'
KIN-006	Piezometer	589.3'
KIN-007	Piezometer	595.5'
KIN-008	Piezometer	586.3'
KIN-009	Piezometer	594.2'
KIN-010	Piezometer	601.2'
KIN-011	Piezometer	601.5'
KIN-012	Piezometer	597.5'

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		601.1'			3.1'	
CCR	598		625	18		45

Section 3

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

Prepared for
Kincaid Generation, LLC

Date
January 31, 2025

Project No.
1940106781-010

**2024 35 I.A.C. § 845 ANNUAL
GROUNDWATER MONITORING AND
CORRECTIVE ACTION REPORT
ASH POND
KINCAID POWER PLANT
KINCAID, ILLINOIS
IEPA ID NO. W0218140002-01**

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

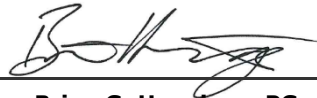
Project name **Kincaid Power Plant Ash Pond**
Project no. **1940106781-010**
Recipient **Kincaid Generation, LLC**
Document type **Annual Groundwater Monitoring and Corrective Action Report**
Version **FINAL**
Date **January 31, 2025**
Prepared by **Michael J. Davis**
Checked by **Lauren D. Cook**
Approved by **Brian G. Hennings, PG**
Description **Annual Report required by 35 I.A.C. § 845**

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TABLES (IN TEXT)

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

TABLES (ATTACHED)

Table 1 Field Parameters and Analytical Results – Quarter 1, 2024
Field Parameters and Analytical Results – Quarter 2, 2024
Field Parameters and Analytical Results – Quarter 3, 2024
Field Parameters and Analytical Results – Quarter 4, 2024

Table 2 Evaluation of Compliance – Quarter 1, 2024
Evaluation of Compliance – Quarter 2, 2024
Evaluation of Compliance – Quarter 3, 2024

FIGURES (ATTACHED)

Figure 1 Monitoring Well Location Map

Figure 2 GWPS Exceedance Map Uppermost Aquifer, Quarters 1-3, 2024

Figure 3 GWPS Exceedance Map Upper Semi-Confining Unit, Quarters 1-3, 2024

Figure 4 Potentiometric Surface Map, January 16, 2024

Figure 5 Potentiometric Surface Map, February 4, 2024

Figure 6 Potentiometric Surface Map, March 4, 2024

Figure 7 Potentiometric Surface Map, April 20, 2024

Figure 8 Potentiometric Surface Map, May 20, 2024

Figure 9 Potentiometric Surface Map, June 19, 2024

Figure 10 Potentiometric Surface Map, July 19, 2024

Figure 11 Potentiometric Surface Map, August 19, 2024

Figure 12 Potentiometric Surface Map, September 18, 2024

Figure 13 Potentiometric Surface Map, October 18, 2024

Figure 14 Potentiometric Surface Map, November 18, 2024

Figure 15 Potentiometric Surface Map, December 17-18, 2024

ATTACHMENTS

- Attachment A Groundwater Elevation Data
- Attachment B Comparison to Background – Quarter 1, 2024
Comparison to Background – Quarter 2, 2024
Comparison to Background – Quarter 3, 2024

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
AP	Ash Pond
ASD	Alternative Source Demonstration
CCA	compliance commitment agreement
CCR	coal combustion residuals
CMA	assessment of corrective measures
E004	Quarter 1, 2024 sampling event
E005	Quarter 2, 2024 sampling event
E006	Quarter 3, 2024 sampling event
E007	Quarter 4, 2024 sampling event
GWPS	groundwater protection standard
ID	identification
IEPA	Illinois Environmental Protection Agency
KPP	Kincaid Power Plant
NID	National Inventory of Dams
No.	number
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SI	surface impoundment
SSI	statistically significant increase
TDS	Total Dissolved Solids

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 Ash Pond (AP) located at Kincaid Power Plant (KPP) near Kincaid, Illinois. The AP is recognized by coal combustion residuals (CCR) unit identification (ID) number (No.) 141, Illinois Environmental Protection Agency (IEPA) ID No. W0218140002-01, and National Inventory of Dams (NID) No. IL50706.

As required by 35 I.A.C. § 845, an operating permit application for the AP was submitted by Kincaid Generation, LLC to IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. Kincaid Generation, LLC 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 AP commenced in the second quarter of 2023 and quarterly groundwater sampling was conducted in 2024 in accordance with 35 I.A.C. § 845.650. All available groundwater monitoring data collected in 2024 are summarized in **Table 1** (field parameters and analytical results) and **Attachment A** (groundwater elevation data). After the AP 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 [Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021]), constituent concentrations observed at compliance monitoring wells were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ of the GWPS (**Table 2**). The following GWPS exceedances were determined in 2024 (Ramboll, 2024a; Ramboll 2024b; Ramboll 2024c)²:

- Boron in MW-7S, MW-12, and MW-28
- Sulfate in MW-7S and MW-28
- Total Dissolved Solids (TDS) in MW-28

An Alternative Source Demonstration (ASD) was not completed for the GWPS exceedances listed above; therefore, an assessment of corrective measures (CMA) was initiated in accordance with 35 I.A.C. § 845.650(d)(3). The CMA was initiated on December 14, 2023. A CMA extension request was submitted to IEPA on December 15, 2023 and approved on January 17, 2024. The CMA extension request and approval letter were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024d).

The CMA was completed in accordance with 35 I.A.C. § 845.660 and submitted to IEPA on May 12, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, a semiannual report

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or GWPSs as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Kincaid Generation, LLC's operating permit application for the KPP AP. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, Kincaid Generation, LLC has not identified any actual exceedances.

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

describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan was submitted to IEPA on November 12, 2024 (Ramboll, 2024f).

As required by 35 I.A.C. § 845.670, a corrective action plan that identifies the selected remedy must be submitted to IEPA within one year after completing the CMA. Activities currently ongoing in support of developing the corrective action plan include development of a corrective action alternatives analysis, human health and ecological risk assessment, and supporting technical documents. Accordingly, a public meeting will be held prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d) and a corrective action plan will be submitted to IEPA on or before May 12, 2025. A remedy has not yet been selected under 35 I.A.C. § 845.670 and remedial activities were not initiated under 35 I.A.C. § 845.780 in 2024.

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

1. INTRODUCTION

This report has been prepared by Ramboll on behalf of Kincaid Generation, LLC, to provide the information required by 35 I.A.C. § 845.610(e) for the AP located at KPP near Kincaid, 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 surface impoundment (SI) (**Figure 1**) and a visual delineation of any exceedances of the 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 15**).
- D. In addition to all the monitoring data obtained under 35 I.A.C. §§ 845.600-680, a summary including the number of groundwater samples that were collected for analysis for each background and [downgradient] compliance well, and the dates the samples were collected (**Section 3.1** and **Table 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 B**).
- F. Other information required to be included in the annual report as specified in 35 I.A.C. §§ 845.600-680.

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

- A. Specify whether groundwater monitoring data shows an SSI over background concentrations for one or more constituents listed in 35 I.A.C. § 845.600.
- 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 KPP AP for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

An operating permit application for the AP was submitted by Kincaid Generation, LLC to IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. Kincaid Generation, LLC 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 AP commenced in the second quarter of 2023. After the AP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit. As specified in the CCA, groundwater sampling requirements that apply to the CCR SI under other existing permit programs will become void upon issuance of an approved operating permit pursuant to 35 I.A.C § 845.

A construction permit application for the AP was also submitted by Kincaid Generation, LLC to IEPA on July 28, 2022 in accordance with the requirements specified in 35 I.A.C. § 845.220(a) and (d) and is pending approval.

As noted in the **Executive Summary** and **Section 3.2**, GWPS exceedances were determined for the AP in 2024. An ASD was not completed for these GWPS exceedances; they will be addressed in accordance with 35 I.A.C. § 845.660. The CMA was initiated on December 14, 2023. A CMA extension request was submitted to IEPA on December 15, 2023 and approved on January 17, 2024. The CMA extension request and approval letter were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024d).

The CMA was completed in accordance with 35 I.A.C. § 845.660 and submitted to IEPA on May 12, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, a semiannual report describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan was submitted to IEPA on November 12, 2024 (Ramboll, 2024f).

A remedy has not yet been selected under 35 I.A.C. § 845.670 and remedial activities were not initiated under 35 I.A.C. § 845.780 in 2024.

3. KEY ACTIONS COMPLETED IN 2024

The proposed 35 I.A.C. § 845 monitoring system is presented in **Figure 1**. No changes to the monitoring system occurred in 2024.

Monthly groundwater level elevations were collected in 2024 as required by 35 I.A.C. § 845.650(b)(2). **Attachment A** summarizes the groundwater elevation data collected in 2024³. Potentiometric surfaces for January through December 2024 are included in **Figures 4 through 15**.

A summary of the samples collected in 2024 is included in **Section 3.1**. Narrative discussions of exceedances of GWPSs and background are included in **Section 3.2** and **Section 3.3**, respectively. Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan provided in the operating permit application (Ramboll, 2021).

3.1 Sample and Analysis Summary

One groundwater sample was collected from each background and compliance well during each quarterly monitoring event in 2024⁴. All samples were collected and analyzed in accordance with the Groundwater Monitoring Plan provided in the operating permit application (Ramboll, 2021). A summary of the samples collected from background and compliance monitoring wells in 2024 is included in **Table A** on the following page. **Table 1** is a summary of the field parameters and analytical results from the 2024 sampling events. Laboratory analytical reports and field data sheets are attached to the quarterly Groundwater Monitoring Data and Detected Exceedances Reports for Quarters 1 through 3⁵ (Ramboll, 2024a; Ramboll, 2024b; and Ramboll, 2024c); therefore, these reports are not attached to this annual report to avoid reproduction of lengthy data transmittals that have been previously provided in hardcopy.

³ During the March 2024 sampling event, water levels for monitoring wells MW-7S and MW-8S were below the top of the dedicated submersible pumps; therefore, groundwater elevation data were not recorded.

⁴ During the March, May, August, and November 2024 sampling events monitoring well MW-8S went dry during purging; therefore, groundwater samples were not collected. In addition, during the November 2024 sampling event monitoring well MW-27 went dry during purging; therefore, a groundwater sample was not collected.

⁵ GWPS exceedances determined after January 31, 2025 will be reported in the Quarter 4, 2024 Groundwater Monitoring Data and Detected Exceedances Report.

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

Event ID	Sampling Dates ^{1, 2, 3}	Analytical Data Receipt Date	Exceedance Determination Date	ASD Completion Date
E004 ^{6, 7}	March 4 – March 6, 2024	April 4, 2024	June 3, 2024	NA
E005 ⁷	May 20 - 21, 2024	June 19, 2024	August 18, 2024	NA
E006 ⁷	August 19 - 21, 2024	September 19, 2024	November 18, 2024	NA
E007 ⁷	November 18 - 19, 2024	December 27, 2024	TBD ⁴	NA

Notes:

ASD: Alternative Source Demonstration

CMA: Corrective Measures Assessment

NA: not applicable

TBD: to be determined after January 31, 2025

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

² The following background wells were sampled for each event: MW-1 and MW-2

³ The following compliance wells were sampled for each event: MW-3, MW-5, MW-6, MW-7, MW-7S, MW-8, MW-8S, MW 11, MW-12, MW-20, MW 20S, MW-23, MW-27, MW-28, MW-30, MW-31, MW-31S, MW 32, and PZ-4C

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

⁶ During the March 2024 sampling event, water levels for monitoring wells MW-7S and MW-8S were below the top of the dedicated submersible pumps; therefore, groundwater elevation data were not recorded.

⁷ During the March, May, August, and November 2024 sampling events monitoring well MW-8S went dry during purging; therefore, groundwater samples were not collected. In addition, during the November 2024 sampling event monitoring well MW-27 went dry during purging; therefore, a groundwater sample was not collected.

3.2 Exceedances of GWPS

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the constituent concentrations observed at compliance monitoring wells identified as Statistical Results in **Table 2** were compared with the GWPSs described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS. The following exceedances of the GWPSs were determined and are shown on **Figures 2 and 3**⁶:

- Boron in MW-7S, MW-12 and MW-28
- Sulfate in MW-7S, and MW-28
- TDS in MW-28

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

3.3 Exceedances of Background

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

⁶ GWPS exceedances determined after January 31, 2025 will be reported in the Quarter 4, 2024 Groundwater Monitoring Data and Detected Exceedances Report.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

Quarterly groundwater monitoring was completed in 2024. Groundwater samples were collected and analyzed in accordance with the Groundwater Monitoring Plan provided in the operating permit application (Ramboll, 2021) and all data were accepted. After the AP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

5. KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continuation of groundwater monitoring in accordance with the proposed groundwater monitoring plan and sampling methodologies provided in the operating permit application for the AP. After the AP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit. Groundwater monitoring will include:
 - Monthly groundwater elevations
 - Quarterly groundwater sampling
- Complete evaluation of analytical data from the compliance wells to determine whether exceedances above GWPSs have occurred.
- If a GWPS exceedance is identified, potential alternative sources (*i.e.*, a source other than the CCR unit caused the GWPS exceedance or that the exceedance resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
 - If an alternative source is identified to be the cause of the GWPS exceedance, a written demonstration will be completed within 60 days of determination and included in the 2025 Annual Groundwater Monitoring and Corrective Action Report.
 - If an alternative source(s) is not identified to be the cause of the GWPS exceedance, the applicable requirements of 35 I.A.C. § 845.660 will be met.
- A public meeting will be held prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d).
- A corrective action plan will be submitted to IEPA on or before May 12, 2025 as required by 35 I.A.C. § 845.670.

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), 2021. *Groundwater Monitoring Plan*. Kincaid Power Plant, Ash Pond, Kincaid, Illinois. Kincaid Generation, LLC. October 25, 2021.

Ramboll, 2024a. 35 I.A.C. § 845.610(B)(3)(D) Groundwater Monitoring Data and Detected Exceedances, 2024 Quarter 1, Ash Pond, Kincaid Power Plant, Kincaid, Illinois. June 3, 2024.
<https://www.luminant.com/documents/ccr/il-ccr/Kincaid/2024/2024-Kincaid%20AP%202024%201st%20quarter%2035%20IAC%20845%20GW%20report-Kincaid-Ash%20Pond-W0218140002%E2%80%90001.pdf>

Ramboll, 2024b. 35 I.A.C. § 845.610(B)(3)(D) Groundwater Monitoring Data and Detected Exceedances, 2024 Quarter 2, Ash Pond, Kincaid Power Plant, Kincaid, Illinois. August 18, 2023.
<https://www.luminant.com/documents/ccr/il-ccr/Kincaid/2024/2024-Kincaid%20AP%202024%202nd%20quarter%2035%20IAC%20845%20GW%20report-Kincaid-Ash%20Pond-W0218140002%E2%80%90001.pdf>

Ramboll, 2024c. 35 I.A.C. § 845.610(B)(3)(D) Groundwater Monitoring Data and Detected Exceedances, 2024 Quarter 3, Ash Pond, Kincaid Power Plant, Kincaid, Illinois. November, 2024.
<https://www.luminant.com/documents/ccr/il-ccr/Kincaid/2024/2024-Kincaid%20AP%202024%203rd%20quarter%2035%20IAC%20845%20GW%20report-Kincaid-Ash%20Pond-W0218140002%E2%80%90001.pdf>

Ramboll, 2024d. 2023 35 I.A.C. § 845 Annual Groundwater Monitoring and Corrective Action Report, Ash Pond, Kincaid Power Plant, Kincaid, Illinois. IEPA ID No. W0218140002-01. January 31, 2024.
<https://www.luminant.com/documents/ccr/il-ccr/Kincaid/2023/2023-Kincaid%20AP%20Part%20845%20Annual%20Consolidated%20Rptt-Kincaid-Ash%20Pond-W0218140002%E2%80%90001.pdf>

Ramboll, 2024e. 35 I.A.C. § 845 Corrective Measures Assessment, Kincaid Power Plant, Ash Pond. IEPA ID: W0218140002-01. May 12, 2024.
<https://www.luminant.com/documents/ccr/il-ccr/Kincaid/2024/2024%2005%2012%20Kincaid%20Final%20CMA%20and%20Nature%20and%20Extent.pdf>

Ramboll, 2024f. Semiannual Remedy Selection Progress Report, Ash Pond, Kincaid Power Plant. November 12, 2024.
<https://www.luminant.com/documents/ccr/il-ccr/Kincaid/2024/2024-2024%2011%2012%20Kincaid%20EAP%20Semiann%20Rem%20Sel%20Progr%20Rpt-Kincaid-Ash%20Pond-W0218140002%E2%80%90001.pdf>

TABLES

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-1	Background	E004	03/04/2024	Antimony, total	0.0004 U	mg/L
MW-1	Background	E004	03/04/2024	Arsenic, total	0.0004 J	mg/L
MW-1	Background	E004	03/04/2024	Barium, total	0.0534	mg/L
MW-1	Background	E004	03/04/2024	Beryllium, total	0.0002 U	mg/L
MW-1	Background	E004	03/04/2024	Boron, total	0.221	mg/L
MW-1	Background	E004	03/04/2024	Cadmium, total	0.0002 U	mg/L
MW-1	Background	E004	03/04/2024	Calcium, total	56.1	mg/L
MW-1	Background	E004	03/04/2024	Chloride, total	16.0	mg/L
MW-1	Background	E004	03/04/2024	Chromium, total	0.00180	mg/L
MW-1	Background	E004	03/04/2024	Cobalt, total	0.0003 J	mg/L
MW-1	Background	E004	03/04/2024	Dissolved Oxygen	1.13	mg/L
MW-1	Background	E004	03/04/2024	Fluoride, total	0.180	mg/L
MW-1	Background	E004	03/04/2024	Lead, total	0.0006 U	mg/L
MW-1	Background	E004	03/04/2024	Lithium, total	0.0022 J	mg/L
MW-1	Background	E004	03/04/2024	Mercury, total	0.00006 U	mg/L
MW-1	Background	E004	03/04/2024	Molybdenum, total	0.001 J	mg/L
MW-1	Background	E004	03/04/2024	Oxidation Reduction Potential	42.0	mV
MW-1	Background	E004	03/04/2024	pH (field)	6.6	SU
MW-1	Background	E004	03/04/2024	Radium 226 + Radium 228, total	0.387	pCi/L
MW-1	Background	E004	03/04/2024	Selenium, total	0.0006 U	mg/L
MW-1	Background	E004	03/04/2024	Specific Conductance @ 25C (field)	512	micromhos/cm
MW-1	Background	E004	03/04/2024	Sulfate, total	97.0	mg/L
MW-1	Background	E004	03/04/2024	Temperature	17.3	degrees C
MW-1	Background	E004	03/04/2024	Thallium, total	0.001 U	mg/L
MW-1	Background	E004	03/04/2024	Total Dissolved Solids	324	mg/L
MW-1	Background	E004	03/04/2024	Turbidity, field	18.0	NTU
MW-2	Background	E004	03/04/2024	Antimony, total	0.0004 U	mg/L
MW-2	Background	E004	03/04/2024	Arsenic, total	0.00230	mg/L
MW-2	Background	E004	03/04/2024	Barium, total	0.126	mg/L
MW-2	Background	E004	03/04/2024	Beryllium, total	0.0003 J	mg/L
MW-2	Background	E004	03/04/2024	Boron, total	0.03 U	mg/L
MW-2	Background	E004	03/04/2024	Cadmium, total	0.0002 U	mg/L
MW-2	Background	E004	03/04/2024	Calcium, total	97.1	mg/L
MW-2	Background	E004	03/04/2024	Chloride, total	18.0	mg/L
MW-2	Background	E004	03/04/2024	Chromium, total	0.00610	mg/L
MW-2	Background	E004	03/04/2024	Cobalt, total	0.00140	mg/L
MW-2	Background	E004	03/04/2024	Dissolved Oxygen	1.59	mg/L
MW-2	Background	E004	03/04/2024	Fluoride, total	0.430	mg/L
MW-2	Background	E004	03/04/2024	Lead, total	0.00190	mg/L
MW-2	Background	E004	03/04/2024	Lithium, total	0.00870	mg/L
MW-2	Background	E004	03/04/2024	Mercury, total	0.00006 U	mg/L
MW-2	Background	E004	03/04/2024	Molybdenum, total	0.00500	mg/L
MW-2	Background	E004	03/04/2024	Oxidation Reduction Potential	42.0	mV
MW-2	Background	E004	03/04/2024	pH (field)	7.2	SU
MW-2	Background	E004	03/04/2024	Radium 226 + Radium 228, total	0.153	pCi/L
MW-2	Background	E004	03/04/2024	Selenium, total	0.0006 U	mg/L

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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-2	Background	E004	03/04/2024	Specific Conductance @ 25C (field)	664	micromhos/cm
MW-2	Background	E004	03/04/2024	Sulfate, total	153	mg/L
MW-2	Background	E004	03/04/2024	Temperature	17.3	degrees C
MW-2	Background	E004	03/04/2024	Thallium, total	0.001 U	mg/L
MW-2	Background	E004	03/04/2024	Total Dissolved Solids	455	mg/L
MW-2	Background	E004	03/04/2024	Turbidity, field	84.0	NTU
MW-3	Compliance	E004	03/04/2024	Antimony, total	0.0004 U	mg/L
MW-3	Compliance	E004	03/04/2024	Arsenic, total	0.0005 J	mg/L
MW-3	Compliance	E004	03/04/2024	Barium, total	0.0478	mg/L
MW-3	Compliance	E004	03/04/2024	Beryllium, total	0.0002 U	mg/L
MW-3	Compliance	E004	03/04/2024	Boron, total	1.52	mg/L
MW-3	Compliance	E004	03/04/2024	Cadmium, total	0.0002 U	mg/L
MW-3	Compliance	E004	03/04/2024	Calcium, total	94.0	mg/L
MW-3	Compliance	E004	03/04/2024	Chloride, total	30.0	mg/L
MW-3	Compliance	E004	03/04/2024	Chromium, total	0.0008 U	mg/L
MW-3	Compliance	E004	03/04/2024	Cobalt, total	0.00210	mg/L
MW-3	Compliance	E004	03/04/2024	Dissolved Oxygen	1.50	mg/L
MW-3	Compliance	E004	03/04/2024	Fluoride, total	0.220	mg/L
MW-3	Compliance	E004	03/04/2024	Lead, total	0.0006 U	mg/L
MW-3	Compliance	E004	03/04/2024	Lithium, total	0.0021 J	mg/L
MW-3	Compliance	E004	03/04/2024	Mercury, total	0.00006 U	mg/L
MW-3	Compliance	E004	03/04/2024	Molybdenum, total	0.0009 J	mg/L
MW-3	Compliance	E004	03/04/2024	Oxidation Reduction Potential	68.0	mV
MW-3	Compliance	E004	03/04/2024	pH (field)	6.8	SU
MW-3	Compliance	E004	03/04/2024	Radium 226 + Radium 228, total	0.395	pCi/L
MW-3	Compliance	E004	03/04/2024	Selenium, total	0.0006 U	mg/L
MW-3	Compliance	E004	03/04/2024	Specific Conductance @ 25C (field)	821	micromhos/cm
MW-3	Compliance	E004	03/04/2024	Sulfate, total	143	mg/L
MW-3	Compliance	E004	03/04/2024	Temperature	15.8	degrees C
MW-3	Compliance	E004	03/04/2024	Thallium, total	0.0017 J	mg/L
MW-3	Compliance	E004	03/04/2024	Total Dissolved Solids	586	mg/L
MW-3	Compliance	E004	03/04/2024	Turbidity, field	12.0	NTU
MW-5	Compliance	E004	03/04/2024	Antimony, total	0.0004 U	mg/L
MW-5	Compliance	E004	03/04/2024	Arsenic, total	0.00180	mg/L
MW-5	Compliance	E004	03/04/2024	Barium, total	0.161	mg/L
MW-5	Compliance	E004	03/04/2024	Beryllium, total	0.0002 U	mg/L
MW-5	Compliance	E004	03/04/2024	Boron, total	0.482	mg/L
MW-5	Compliance	E004	03/04/2024	Cadmium, total	0.0002 U	mg/L
MW-5	Compliance	E004	03/04/2024	Calcium, total	156	mg/L
MW-5	Compliance	E004	03/04/2024	Chloride, total	47.0	mg/L
MW-5	Compliance	E004	03/04/2024	Chromium, total	0.00300	mg/L
MW-5	Compliance	E004	03/04/2024	Cobalt, total	0.00140	mg/L
MW-5	Compliance	E004	03/04/2024	Dissolved Oxygen	0.660	mg/L
MW-5	Compliance	E004	03/04/2024	Fluoride, total	0.150	mg/L
MW-5	Compliance	E004	03/04/2024	Lead, total	0.00140	mg/L
MW-5	Compliance	E004	03/04/2024	Lithium, total	0.00400	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-5	Compliance	E004	03/04/2024	Mercury, total	0.00006 U	mg/L
MW-5	Compliance	E004	03/04/2024	Molybdenum, total	0.00200	mg/L
MW-5	Compliance	E004	03/04/2024	Oxidation Reduction Potential	32.0	mV
MW-5	Compliance	E004	03/04/2024	pH (field)	6.6	SU
MW-5	Compliance	E004	03/04/2024	Radium 226 + Radium 228, total	1.34	pCi/L
MW-5	Compliance	E004	03/04/2024	Selenium, total	0.0006 U	mg/L
MW-5	Compliance	E004	03/04/2024	Specific Conductance @ 25C (field)	1,150	micromhos/cm
MW-5	Compliance	E004	03/04/2024	Sulfate, total	14.0	mg/L
MW-5	Compliance	E004	03/04/2024	Temperature	16.9	degrees C
MW-5	Compliance	E004	03/04/2024	Thallium, total	0.0012 U	mg/L
MW-5	Compliance	E004	03/04/2024	Total Dissolved Solids	780	mg/L
MW-5	Compliance	E004	03/04/2024	Turbidity, field	54.0	NTU
MW-6	Compliance	E004	03/05/2024	Antimony, total	0.0004 U	mg/L
MW-6	Compliance	E004	03/05/2024	Arsenic, total	0.0004 J	mg/L
MW-6	Compliance	E004	03/05/2024	Barium, total	0.0408	mg/L
MW-6	Compliance	E004	03/05/2024	Beryllium, total	0.0002 U	mg/L
MW-6	Compliance	E004	03/05/2024	Boron, total	0.971	mg/L
MW-6	Compliance	E004	03/05/2024	Cadmium, total	0.0002 U	mg/L
MW-6	Compliance	E004	03/05/2024	Calcium, total	99.6	mg/L
MW-6	Compliance	E004	03/05/2024	Chloride, total	3 J	mg/L
MW-6	Compliance	E004	03/05/2024	Chromium, total	0.00280	mg/L
MW-6	Compliance	E004	03/05/2024	Cobalt, total	0.0003 J	mg/L
MW-6	Compliance	E004	03/05/2024	Dissolved Oxygen	7.09	mg/L
MW-6	Compliance	E004	03/05/2024	Fluoride, total	0.180	mg/L
MW-6	Compliance	E004	03/05/2024	Lead, total	0.0006 U	mg/L
MW-6	Compliance	E004	03/05/2024	Lithium, total	0.0015 U	mg/L
MW-6	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-6	Compliance	E004	03/05/2024	Molybdenum, total	0.0006 U	mg/L
MW-6	Compliance	E004	03/05/2024	Oxidation Reduction Potential	119	mV
MW-6	Compliance	E004	03/05/2024	pH (field)	6.4	SU
MW-6	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	0.724	pCi/L
MW-6	Compliance	E004	03/05/2024	Selenium, total	0.0008 J	mg/L
MW-6	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	652	micromhos/cm
MW-6	Compliance	E004	03/05/2024	Sulfate, total	144	mg/L
MW-6	Compliance	E004	03/05/2024	Temperature	12.1	degrees C
MW-6	Compliance	E004	03/05/2024	Thallium, total	0.001 U	mg/L
MW-6	Compliance	E004	03/05/2024	Total Dissolved Solids	486	mg/L
MW-6	Compliance	E004	03/05/2024	Turbidity, field	8.90	NTU
MW-7	Compliance	E004	03/05/2024	Antimony, total	0.0004 U	mg/L
MW-7	Compliance	E004	03/05/2024	Arsenic, total	0.00120	mg/L
MW-7	Compliance	E004	03/05/2024	Barium, total	0.0394	mg/L
MW-7	Compliance	E004	03/05/2024	Beryllium, total	0.0002 U	mg/L
MW-7	Compliance	E004	03/05/2024	Boron, total	0.269	mg/L
MW-7	Compliance	E004	03/05/2024	Cadmium, total	0.0002 U	mg/L
MW-7	Compliance	E004	03/05/2024	Calcium, total	140	mg/L
MW-7	Compliance	E004	03/05/2024	Chloride, total	2 J	mg/L

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ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-7	Compliance	E004	03/05/2024	Chromium, total	0.0014 J	mg/L
MW-7	Compliance	E004	03/05/2024	Cobalt, total	0.00100	mg/L
MW-7	Compliance	E004	03/05/2024	Dissolved Oxygen	0.940	mg/L
MW-7	Compliance	E004	03/05/2024	Fluoride, total	0.260	mg/L
MW-7	Compliance	E004	03/05/2024	Lead, total	0.0006 U	mg/L
MW-7	Compliance	E004	03/05/2024	Lithium, total	0.0025 J	mg/L
MW-7	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-7	Compliance	E004	03/05/2024	Molybdenum, total	0.00190	mg/L
MW-7	Compliance	E004	03/05/2024	Oxidation Reduction Potential	27.0	mV
MW-7	Compliance	E004	03/05/2024	pH (field)	6.9	SU
MW-7	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	0.399	pCi/L
MW-7	Compliance	E004	03/05/2024	Selenium, total	0.0006 U	mg/L
MW-7	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	803	micromhos/cm
MW-7	Compliance	E004	03/05/2024	Sulfate, total	235	mg/L
MW-7	Compliance	E004	03/05/2024	Temperature	10.8	degrees C
MW-7	Compliance	E004	03/05/2024	Thallium, total	0.001 U	mg/L
MW-7	Compliance	E004	03/05/2024	Total Dissolved Solids	620	mg/L
MW-7	Compliance	E004	03/05/2024	Turbidity, field	16.0	NTU
MW-7S	Compliance	E004	03/04/2024	Antimony, total	0.0004 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Arsenic, total	0.00690	mg/L
MW-7S	Compliance	E004	03/04/2024	Barium, total	0.0390	mg/L
MW-7S	Compliance	E004	03/04/2024	Beryllium, total	0.0002 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Boron, total	4.41	mg/L
MW-7S	Compliance	E004	03/04/2024	Cadmium, total	0.0002 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Calcium, total	172	mg/L
MW-7S	Compliance	E004	03/04/2024	Chloride, total	10.0	mg/L
MW-7S	Compliance	E004	03/04/2024	Chromium, total	0.00250	mg/L
MW-7S	Compliance	E004	03/04/2024	Cobalt, total	0.0008 J	mg/L
MW-7S	Compliance	E004	03/04/2024	Dissolved Oxygen	0.900	mg/L
MW-7S	Compliance	E004	03/04/2024	Fluoride, total	0.290	mg/L
MW-7S	Compliance	E004	03/04/2024	Lead, total	0.0006 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Lithium, total	0.0015 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Mercury, total	0.00006 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Molybdenum, total	0.0014 J	mg/L
MW-7S	Compliance	E004	03/04/2024	Oxidation Reduction Potential	0	mV
MW-7S	Compliance	E004	03/04/2024	pH (field)	6.8	SU
MW-7S	Compliance	E004	03/04/2024	Radium 226 + Radium 228, total	0.608	pCi/L
MW-7S	Compliance	E004	03/04/2024	Selenium, total	0.0006 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Specific Conductance @ 25C (field)	1,500	micromhos/cm
MW-7S	Compliance	E004	03/04/2024	Sulfate, total	478	mg/L
MW-7S	Compliance	E004	03/04/2024	Temperature	17.9	degrees C
MW-7S	Compliance	E004	03/04/2024	Thallium, total	0.001 U	mg/L
MW-7S	Compliance	E004	03/04/2024	Total Dissolved Solids	1,150	mg/L
MW-7S	Compliance	E004	03/04/2024	Turbidity, field	1.00	NTU
MW-8	Compliance	E004	03/05/2024	Antimony, total	0.0004 U	mg/L
MW-8	Compliance	E004	03/05/2024	Arsenic, total	0.0004 U	mg/L

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KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8	Compliance	E004	03/05/2024	Barium, total	0.0216	mg/L
MW-8	Compliance	E004	03/05/2024	Beryllium, total	0.0002 U	mg/L
MW-8	Compliance	E004	03/05/2024	Boron, total	0.994	mg/L
MW-8	Compliance	E004	03/05/2024	Cadmium, total	0.0002 U	mg/L
MW-8	Compliance	E004	03/05/2024	Calcium, total	163	mg/L
MW-8	Compliance	E004	03/05/2024	Chloride, total	23.0	mg/L
MW-8	Compliance	E004	03/05/2024	Chromium, total	0.0013 J	mg/L
MW-8	Compliance	E004	03/05/2024	Cobalt, total	0.00160	mg/L
MW-8	Compliance	E004	03/05/2024	Dissolved Oxygen	1.11	mg/L
MW-8	Compliance	E004	03/05/2024	Fluoride, total	0.210	mg/L
MW-8	Compliance	E004	03/05/2024	Lead, total	0.0006 U	mg/L
MW-8	Compliance	E004	03/05/2024	Lithium, total	0.0021 J	mg/L
MW-8	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-8	Compliance	E004	03/05/2024	Molybdenum, total	0.0006 U	mg/L
MW-8	Compliance	E004	03/05/2024	Oxidation Reduction Potential	49.0	mV
MW-8	Compliance	E004	03/05/2024	pH (field)	6.7	SU
MW-8	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	0.255	pCi/L
MW-8	Compliance	E004	03/05/2024	Selenium, total	0.0006 U	mg/L
MW-8	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	1,040	micromhos/cm
MW-8	Compliance	E004	03/05/2024	Sulfate, total	209	mg/L
MW-8	Compliance	E004	03/05/2024	Temperature	12.6	degrees C
MW-8	Compliance	E004	03/05/2024	Thallium, total	0.001 U	mg/L
MW-8	Compliance	E004	03/05/2024	Total Dissolved Solids	796	mg/L
MW-8	Compliance	E004	03/05/2024	Turbidity, field	5.90	NTU
MW-8S	Compliance	E004	--	Antimony, total	--	mg/L
MW-8S	Compliance	E004	--	Arsenic, total	--	mg/L
MW-8S	Compliance	E004	--	Barium, total	--	mg/L
MW-8S	Compliance	E004	--	Beryllium, total	--	mg/L
MW-8S	Compliance	E004	--	Boron, total	--	mg/L
MW-8S	Compliance	E004	--	Cadmium, total	--	mg/L
MW-8S	Compliance	E004	--	Calcium, total	--	mg/L
MW-8S	Compliance	E004	--	Chloride, total	--	mg/L
MW-8S	Compliance	E004	--	Chromium, total	--	mg/L
MW-8S	Compliance	E004	--	Cobalt, total	--	mg/L
MW-8S	Compliance	E004	--	Dissolved Oxygen	--	mg/L
MW-8S	Compliance	E004	--	Fluoride, total	--	mg/L
MW-8S	Compliance	E004	--	Lead, total	--	mg/L
MW-8S	Compliance	E004	--	Lithium, total	--	mg/L
MW-8S	Compliance	E004	--	Mercury, total	--	mg/L
MW-8S	Compliance	E004	--	Molybdenum, total	--	mg/L
MW-8S	Compliance	E004	--	Oxidation Reduction Potential	--	mV
MW-8S	Compliance	E004	--	pH (field)	--	SU
MW-8S	Compliance	E004	--	Radium 226 + Radium 228, total	--	pCi/L
MW-8S	Compliance	E004	--	Selenium, total	--	mg/L
MW-8S	Compliance	E004	--	Specific Conductance @ 25C (field)	--	micromhos/cm
MW-8S	Compliance	E004	--	Sulfate, total	--	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8S	Compliance	E004	--	Temperature	--	degrees C
MW-8S	Compliance	E004	--	Thallium, total	--	mg/L
MW-8S	Compliance	E004	--	Total Dissolved Solids	--	mg/L
MW-8S	Compliance	E004	--	Turbidity, field	--	NTU
MW-11	Compliance	E004	03/05/2024	Antimony, total	0.0004 U	mg/L
MW-11	Compliance	E004	03/05/2024	Arsenic, total	0.0005 J	mg/L
MW-11	Compliance	E004	03/05/2024	Barium, total	0.114	mg/L
MW-11	Compliance	E004	03/05/2024	Beryllium, total	0.0002 U	mg/L
MW-11	Compliance	E004	03/05/2024	Boron, total	1.51	mg/L
MW-11	Compliance	E004	03/05/2024	Cadmium, total	0.0002 U	mg/L
MW-11	Compliance	E004	03/05/2024	Calcium, total	128	mg/L
MW-11	Compliance	E004	03/05/2024	Chloride, total	34.0	mg/L
MW-11	Compliance	E004	03/05/2024	Chromium, total	0.0012 J	mg/L
MW-11	Compliance	E004	03/05/2024	Cobalt, total	0.0003 J	mg/L
MW-11	Compliance	E004	03/05/2024	Dissolved Oxygen	1.85	mg/L
MW-11	Compliance	E004	03/05/2024	Fluoride, total	0.440	mg/L
MW-11	Compliance	E004	03/05/2024	Lead, total	0.0006 U	mg/L
MW-11	Compliance	E004	03/05/2024	Lithium, total	0.002 J	mg/L
MW-11	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-11	Compliance	E004	03/05/2024	Molybdenum, total	0.00260	mg/L
MW-11	Compliance	E004	03/05/2024	Oxidation Reduction Potential	118	mV
MW-11	Compliance	E004	03/05/2024	pH (field)	6.6	SU
MW-11	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	0.56	pCi/L
MW-11	Compliance	E004	03/05/2024	Selenium, total	0.0006 U	mg/L
MW-11	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	887	micromhos/cm
MW-11	Compliance	E004	03/05/2024	Sulfate, total	115	mg/L
MW-11	Compliance	E004	03/05/2024	Temperature	13.8	degrees C
MW-11	Compliance	E004	03/05/2024	Thallium, total	0.001 U	mg/L
MW-11	Compliance	E004	03/05/2024	Total Dissolved Solids	685	mg/L
MW-11	Compliance	E004	03/05/2024	Turbidity, field	9.30	NTU
MW-12	Compliance	E004	03/05/2024	Antimony, total	0.0004 U	mg/L
MW-12	Compliance	E004	03/05/2024	Arsenic, total	0.00190	mg/L
MW-12	Compliance	E004	03/05/2024	Barium, total	0.143	mg/L
MW-12	Compliance	E004	03/05/2024	Beryllium, total	0.0002 U	mg/L
MW-12	Compliance	E004	03/05/2024	Boron, total	2.59	mg/L
MW-12	Compliance	E004	03/05/2024	Cadmium, total	0.0002 U	mg/L
MW-12	Compliance	E004	03/05/2024	Calcium, total	217	mg/L
MW-12	Compliance	E004	03/05/2024	Chloride, total	31.0	mg/L
MW-12	Compliance	E004	03/05/2024	Chromium, total	0.00210	mg/L
MW-12	Compliance	E004	03/05/2024	Cobalt, total	0.0003 J	mg/L
MW-12	Compliance	E004	03/05/2024	Dissolved Oxygen	0.660	mg/L
MW-12	Compliance	E004	03/05/2024	Fluoride, total	0.220	mg/L
MW-12	Compliance	E004	03/05/2024	Lead, total	0.00110	mg/L
MW-12	Compliance	E004	03/05/2024	Lithium, total	0.0103	mg/L
MW-12	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-12	Compliance	E004	03/05/2024	Molybdenum, total	0.00160	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-12	Compliance	E004	03/05/2024	Oxidation Reduction Potential	0	mV
MW-12	Compliance	E004	03/05/2024	pH (field)	6.7	SU
MW-12	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	0.742	pCi/L
MW-12	Compliance	E004	03/05/2024	Selenium, total	0.0006 U	mg/L
MW-12	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	1,300	micromhos/cm
MW-12	Compliance	E004	03/05/2024	Sulfate, total	346	mg/L
MW-12	Compliance	E004	03/05/2024	Temperature	11.4	degrees C
MW-12	Compliance	E004	03/05/2024	Thallium, total	0.001 U	mg/L
MW-12	Compliance	E004	03/05/2024	Total Dissolved Solids	995	mg/L
MW-12	Compliance	E004	03/05/2024	Turbidity, field	200	NTU
MW-20	Compliance	E004	03/05/2024	Antimony, total	0.0004 U	mg/L
MW-20	Compliance	E004	03/05/2024	Arsenic, total	0.0006 J	mg/L
MW-20	Compliance	E004	03/05/2024	Barium, total	0.0922	mg/L
MW-20	Compliance	E004	03/05/2024	Beryllium, total	0.0002 U	mg/L
MW-20	Compliance	E004	03/05/2024	Boron, total	0.603	mg/L
MW-20	Compliance	E004	03/05/2024	Cadmium, total	0.0002 U	mg/L
MW-20	Compliance	E004	03/05/2024	Calcium, total	142	mg/L
MW-20	Compliance	E004	03/05/2024	Chloride, total	21.0	mg/L
MW-20	Compliance	E004	03/05/2024	Chromium, total	0.00150 J	mg/L
MW-20	Compliance	E004	03/05/2024	Cobalt, total	0.0004 J	mg/L
MW-20	Compliance	E004	03/05/2024	Dissolved Oxygen	2.36	mg/L
MW-20	Compliance	E004	03/05/2024	Fluoride, total	0.330	mg/L
MW-20	Compliance	E004	03/05/2024	Lead, total	0.0006 U	mg/L
MW-20	Compliance	E004	03/05/2024	Lithium, total	0.00450	mg/L
MW-20	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-20	Compliance	E004	03/05/2024	Molybdenum, total	0.00320	mg/L
MW-20	Compliance	E004	03/05/2024	Oxidation Reduction Potential	108	mV
MW-20	Compliance	E004	03/05/2024	pH (field)	6.9	SU
MW-20	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	0.354	pCi/L
MW-20	Compliance	E004	03/05/2024	Selenium, total	0.0006 U	mg/L
MW-20	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	913	micromhos/cm
MW-20	Compliance	E004	03/05/2024	Sulfate, total	166	mg/L
MW-20	Compliance	E004	03/05/2024	Temperature	12.1	degrees C
MW-20	Compliance	E004	03/05/2024	Thallium, total	0.001 U	mg/L
MW-20	Compliance	E004	03/05/2024	Total Dissolved Solids	674	mg/L
MW-20	Compliance	E004	03/05/2024	Turbidity, field	27.0	NTU
MW-20S	Compliance	E004	03/04/2024	Antimony, total	0.0004 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Arsenic, total	0.0004 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Barium, total	0.0328	mg/L
MW-20S	Compliance	E004	03/04/2024	Beryllium, total	0.0002 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Boron, total	1.70	mg/L
MW-20S	Compliance	E004	03/04/2024	Cadmium, total	0.0002 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Calcium, total	181	mg/L
MW-20S	Compliance	E004	03/04/2024	Chloride, total	22.0	mg/L
MW-20S	Compliance	E004	03/04/2024	Chromium, total	0.0014 J	mg/L
MW-20S	Compliance	E004	03/04/2024	Cobalt, total	0.0004 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-20S	Compliance	E004	03/04/2024	Dissolved Oxygen	3.29	mg/L
MW-20S	Compliance	E004	03/04/2024	Fluoride, total	0.160	mg/L
MW-20S	Compliance	E004	03/04/2024	Lead, total	0.0006 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Lithium, total	0.0015 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Mercury, total	0.00006 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Molybdenum, total	0.0006 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Oxidation Reduction Potential	118	mV
MW-20S	Compliance	E004	03/04/2024	pH (field)	6.7	SU
MW-20S	Compliance	E004	03/04/2024	Radium 226 + Radium 228, total	0.505	pCi/L
MW-20S	Compliance	E004	03/04/2024	Selenium, total	0.0006 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Specific Conductance @ 25C (field)	1,340	micromhos/cm
MW-20S	Compliance	E004	03/04/2024	Sulfate, total	351	mg/L
MW-20S	Compliance	E004	03/04/2024	Temperature	20.4	degrees C
MW-20S	Compliance	E004	03/04/2024	Thallium, total	0.0012 U	mg/L
MW-20S	Compliance	E004	03/04/2024	Total Dissolved Solids	990	mg/L
MW-20S	Compliance	E004	03/04/2024	Turbidity, field	4.80	NTU
MW-23	Compliance	E004	03/05/2024	Antimony, total	0.0004 U	mg/L
MW-23	Compliance	E004	03/05/2024	Arsenic, total	0.00120	mg/L
MW-23	Compliance	E004	03/05/2024	Barium, total	0.0928	mg/L
MW-23	Compliance	E004	03/05/2024	Beryllium, total	0.0002 U	mg/L
MW-23	Compliance	E004	03/05/2024	Boron, total	2.15	mg/L
MW-23	Compliance	E004	03/05/2024	Cadmium, total	0.0002 U	mg/L
MW-23	Compliance	E004	03/05/2024	Calcium, total	120	mg/L
MW-23	Compliance	E004	03/05/2024	Chloride, total	27.0	mg/L
MW-23	Compliance	E004	03/05/2024	Chromium, total	0.0013 J	mg/L
MW-23	Compliance	E004	03/05/2024	Cobalt, total	0.0006 J	mg/L
MW-23	Compliance	E004	03/05/2024	Dissolved Oxygen	2.44	mg/L
MW-23	Compliance	E004	03/05/2024	Fluoride, total	0.340	mg/L
MW-23	Compliance	E004	03/05/2024	Lead, total	0.0006 U	mg/L
MW-23	Compliance	E004	03/05/2024	Lithium, total	0.0015 U	mg/L
MW-23	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-23	Compliance	E004	03/05/2024	Molybdenum, total	0.0013 J	mg/L
MW-23	Compliance	E004	03/05/2024	Oxidation Reduction Potential	115	mV
MW-23	Compliance	E004	03/05/2024	pH (field)	6.7	SU
MW-23	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	0.69	pCi/L
MW-23	Compliance	E004	03/05/2024	Selenium, total	0.0006 U	mg/L
MW-23	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	875	micromhos/cm
MW-23	Compliance	E004	03/05/2024	Sulfate, total	48.0	mg/L
MW-23	Compliance	E004	03/05/2024	Temperature	13.6	degrees C
MW-23	Compliance	E004	03/05/2024	Thallium, total	0.001 U	mg/L
MW-23	Compliance	E004	03/05/2024	Total Dissolved Solids	586	mg/L
MW-23	Compliance	E004	03/05/2024	Turbidity, field	6.10	NTU
MW-27	Compliance	E004	03/05/2024	Antimony, total	0.00130	mg/L
MW-27	Compliance	E004	03/05/2024	Arsenic, total	0.0114	mg/L
MW-27	Compliance	E004	03/05/2024	Barium, total	0.201	mg/L
MW-27	Compliance	E004	03/05/2024	Beryllium, total	0.0005 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-27	Compliance	E004	03/05/2024	Boron, total	1.04	mg/L
MW-27	Compliance	E004	03/05/2024	Cadmium, total	0.0002 J	mg/L
MW-27	Compliance	E004	03/05/2024	Calcium, total	188	mg/L
MW-27	Compliance	E004	03/05/2024	Chloride, total	17.0	mg/L
MW-27	Compliance	E004	03/05/2024	Chromium, total	0.0246	mg/L
MW-27	Compliance	E004	03/05/2024	Cobalt, total	0.0103	mg/L
MW-27	Compliance	E004	03/05/2024	Dissolved Oxygen	6.27	mg/L
MW-27	Compliance	E004	03/05/2024	Fluoride, total	0.170	mg/L
MW-27	Compliance	E004	03/05/2024	Lead, total	0.0116	mg/L
MW-27	Compliance	E004	03/05/2024	Lithium, total	0.0108	mg/L
MW-27	Compliance	E004	03/05/2024	Mercury, total	0.00013 U	mg/L
MW-27	Compliance	E004	03/05/2024	Molybdenum, total	0.0101	mg/L
MW-27	Compliance	E004	03/05/2024	Oxidation Reduction Potential	60.0	mV
MW-27	Compliance	E004	03/05/2024	pH (field)	6.8	SU
MW-27	Compliance	E004	03/05/2024	Radium 226 + Radium 228, total	1.23	pCi/L
MW-27	Compliance	E004	03/05/2024	Selenium, total	0.0006 U	mg/L
MW-27	Compliance	E004	03/05/2024	Specific Conductance @ 25C (field)	1,450	micromhos/cm
MW-27	Compliance	E004	03/05/2024	Sulfate, total	311	mg/L
MW-27	Compliance	E004	03/05/2024	Temperature	13.1	degrees C
MW-27	Compliance	E004	03/05/2024	Thallium, total	0.001 J	mg/L
MW-27	Compliance	E004	03/05/2024	Total Dissolved Solids	885	mg/L
MW-27	Compliance	E004	03/05/2024	Turbidity, field	45.0	NTU
MW-28	Compliance	E004	03/06/2024	Antimony, total	0.0004 U	mg/L
MW-28	Compliance	E004	03/06/2024	Arsenic, total	0.0006 J	mg/L
MW-28	Compliance	E004	03/06/2024	Barium, total	0.0257	mg/L
MW-28	Compliance	E004	03/06/2024	Beryllium, total	0.0002 U	mg/L
MW-28	Compliance	E004	03/06/2024	Boron, total	10.4	mg/L
MW-28	Compliance	E004	03/06/2024	Cadmium, total	0.0002 U	mg/L
MW-28	Compliance	E004	03/06/2024	Calcium, total	257	mg/L
MW-28	Compliance	E004	03/06/2024	Chloride, total	12.0	mg/L
MW-28	Compliance	E004	03/06/2024	Chromium, total	0.0009 J	mg/L
MW-28	Compliance	E004	03/06/2024	Cobalt, total	0.0009 J	mg/L
MW-28	Compliance	E004	03/06/2024	Dissolved Oxygen	0.450	mg/L
MW-28	Compliance	E004	03/06/2024	Fluoride, total	0.320	mg/L
MW-28	Compliance	E004	03/06/2024	Lead, total	0.0006 U	mg/L
MW-28	Compliance	E004	03/06/2024	Lithium, total	0.00750	mg/L
MW-28	Compliance	E004	03/06/2024	Mercury, total	0.00006 U	mg/L
MW-28	Compliance	E004	03/06/2024	Molybdenum, total	0.0006 U	mg/L
MW-28	Compliance	E004	03/06/2024	Oxidation Reduction Potential	-8.00	mV
MW-28	Compliance	E004	03/06/2024	pH (field)	6.7	SU
MW-28	Compliance	E004	03/06/2024	Radium 226 + Radium 228, total	0.789	pCi/L
MW-28	Compliance	E004	03/06/2024	Selenium, total	0.0006 U	mg/L
MW-28	Compliance	E004	03/06/2024	Specific Conductance @ 25C (field)	1,750	micromhos/cm
MW-28	Compliance	E004	03/06/2024	Sulfate, total	771	mg/L
MW-28	Compliance	E004	03/06/2024	Temperature	12.4	degrees C
MW-28	Compliance	E004	03/06/2024	Thallium, total	0.001 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-28	Compliance	E004	03/06/2024	Total Dissolved Solids	1,600	mg/L
MW-28	Compliance	E004	03/06/2024	Turbidity, field	7.40	NTU
MW-30	Compliance	E004	03/06/2024	Antimony, total	0.0004 U	mg/L
MW-30	Compliance	E004	03/06/2024	Arsenic, total	0.00660	mg/L
MW-30	Compliance	E004	03/06/2024	Barium, total	0.152	mg/L
MW-30	Compliance	E004	03/06/2024	Beryllium, total	0.0002 U	mg/L
MW-30	Compliance	E004	03/06/2024	Boron, total	1.68	mg/L
MW-30	Compliance	E004	03/06/2024	Cadmium, total	0.0002 U	mg/L
MW-30	Compliance	E004	03/06/2024	Calcium, total	111	mg/L
MW-30	Compliance	E004	03/06/2024	Chloride, total	42.0	mg/L
MW-30	Compliance	E004	03/06/2024	Chromium, total	0.001 J	mg/L
MW-30	Compliance	E004	03/06/2024	Cobalt, total	0.00400	mg/L
MW-30	Compliance	E004	03/06/2024	Dissolved Oxygen	1.65	mg/L
MW-30	Compliance	E004	03/06/2024	Fluoride, total	0.560	mg/L
MW-30	Compliance	E004	03/06/2024	Lead, total	0.0006 U	mg/L
MW-30	Compliance	E004	03/06/2024	Lithium, total	0.0015 U	mg/L
MW-30	Compliance	E004	03/06/2024	Mercury, total	0.00006 U	mg/L
MW-30	Compliance	E004	03/06/2024	Molybdenum, total	0.00220	mg/L
MW-30	Compliance	E004	03/06/2024	Oxidation Reduction Potential	2.00	mV
MW-30	Compliance	E004	03/06/2024	pH (field)	6.7	SU
MW-30	Compliance	E004	03/06/2024	Radium 226 + Radium 228, total	1.52	pCi/L
MW-30	Compliance	E004	03/06/2024	Selenium, total	0.0006 U	mg/L
MW-30	Compliance	E004	03/06/2024	Specific Conductance @ 25C (field)	951	micromhos/cm
MW-30	Compliance	E004	03/06/2024	Sulfate, total	9 J-	mg/L
MW-30	Compliance	E004	03/06/2024	Temperature	13.2	degrees C
MW-30	Compliance	E004	03/06/2024	Thallium, total	0.001 U	mg/L
MW-30	Compliance	E004	03/06/2024	Total Dissolved Solids	615	mg/L
MW-30	Compliance	E004	03/06/2024	Turbidity, field	9.30	NTU
MW-31	Compliance	E004	03/06/2024	Antimony, total	0.0004 U	mg/L
MW-31	Compliance	E004	03/06/2024	Arsenic, total	0.00320	mg/L
MW-31	Compliance	E004	03/06/2024	Barium, total	0.187	mg/L
MW-31	Compliance	E004	03/06/2024	Beryllium, total	0.0002 U	mg/L
MW-31	Compliance	E004	03/06/2024	Boron, total	0.376	mg/L
MW-31	Compliance	E004	03/06/2024	Cadmium, total	0.0002 U	mg/L
MW-31	Compliance	E004	03/06/2024	Calcium, total	129	mg/L
MW-31	Compliance	E004	03/06/2024	Chloride, total	52.0	mg/L
MW-31	Compliance	E004	03/06/2024	Chromium, total	0.0008 U	mg/L
MW-31	Compliance	E004	03/06/2024	Cobalt, total	0.00120	mg/L
MW-31	Compliance	E004	03/06/2024	Dissolved Oxygen	1.63	mg/L
MW-31	Compliance	E004	03/06/2024	Fluoride, total	0.390	mg/L
MW-31	Compliance	E004	03/06/2024	Lead, total	0.0006 U	mg/L
MW-31	Compliance	E004	03/06/2024	Lithium, total	0.00660	mg/L
MW-31	Compliance	E004	03/06/2024	Mercury, total	0.00006 U	mg/L
MW-31	Compliance	E004	03/06/2024	Molybdenum, total	0.0007 J	mg/L
MW-31	Compliance	E004	03/06/2024	Oxidation Reduction Potential	-7.00	mV
MW-31	Compliance	E004	03/06/2024	pH (field)	6.8	SU

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-31	Compliance	E004	03/06/2024	Radium 226 + Radium 228, total	1.44	pCi/L
MW-31	Compliance	E004	03/06/2024	Selenium, total	0.0006 U	mg/L
MW-31	Compliance	E004	03/06/2024	Specific Conductance @ 25C (field)	957	micromhos/cm
MW-31	Compliance	E004	03/06/2024	Sulfate, total	8 J	mg/L
MW-31	Compliance	E004	03/06/2024	Temperature	13.1	degrees C
MW-31	Compliance	E004	03/06/2024	Thallium, total	0.001 U	mg/L
MW-31	Compliance	E004	03/06/2024	Total Dissolved Solids	680	mg/L
MW-31	Compliance	E004	03/06/2024	Turbidity, field	7.30	NTU
MW-31S	Compliance	E004	03/04/2024	Antimony, total	0.0004 U	mg/L
MW-31S	Compliance	E004	03/04/2024	Arsenic, total	0.0113	mg/L
MW-31S	Compliance	E004	03/04/2024	Barium, total	0.234	mg/L
MW-31S	Compliance	E004	03/04/2024	Beryllium, total	0.0002 U	mg/L
MW-31S	Compliance	E004	03/04/2024	Boron, total	0.03 U	mg/L
MW-31S	Compliance	E004	03/04/2024	Cadmium, total	0.0002 U	mg/L
MW-31S	Compliance	E004	03/04/2024	Calcium, total	149	mg/L
MW-31S	Compliance	E004	03/04/2024	Chloride, total	15.0	mg/L
MW-31S	Compliance	E004	03/04/2024	Chromium, total	0.0012 J	mg/L
MW-31S	Compliance	E004	03/04/2024	Cobalt, total	0.00480	mg/L
MW-31S	Compliance	E004	03/04/2024	Dissolved Oxygen	2.23	mg/L
MW-31S	Compliance	E004	03/04/2024	Fluoride, total	0.290	mg/L
MW-31S	Compliance	E004	03/04/2024	Lead, total	0.0008 J	mg/L
MW-31S	Compliance	E004	03/04/2024	Lithium, total	0.0015 U	mg/L
MW-31S	Compliance	E004	03/04/2024	Mercury, total	0.00013 U	mg/L
MW-31S	Compliance	E004	03/04/2024	Molybdenum, total	0.0007 J	mg/L
MW-31S	Compliance	E004	03/04/2024	Oxidation Reduction Potential	-27.0	mV
MW-31S	Compliance	E004	03/04/2024	pH (field)	6.7	SU
MW-31S	Compliance	E004	03/04/2024	Radium 226 + Radium 228, total	1.28	pCi/L
MW-31S	Compliance	E004	03/04/2024	Selenium, total	0.0007 J	mg/L
MW-31S	Compliance	E004	03/04/2024	Specific Conductance @ 25C (field)	1,260	micromhos/cm
MW-31S	Compliance	E004	03/04/2024	Sulfate, total	14 J	mg/L
MW-31S	Compliance	E004	03/04/2024	Temperature	20.6	degrees C
MW-31S	Compliance	E004	03/04/2024	Thallium, total	0.001 U	mg/L
MW-31S	Compliance	E004	03/04/2024	Total Dissolved Solids	730	mg/L
MW-31S	Compliance	E004	03/04/2024	Turbidity, field	17.0	NTU
MW-32	Compliance	E004	03/06/2024	Antimony, total	0.0004 U	mg/L
MW-32	Compliance	E004	03/06/2024	Arsenic, total	0.0007 J	mg/L
MW-32	Compliance	E004	03/06/2024	Barium, total	0.0462	mg/L
MW-32	Compliance	E004	03/06/2024	Beryllium, total	0.0002 U	mg/L
MW-32	Compliance	E004	03/06/2024	Boron, total	2.33	mg/L
MW-32	Compliance	E004	03/06/2024	Cadmium, total	0.0002 U	mg/L
MW-32	Compliance	E004	03/06/2024	Calcium, total	166	mg/L
MW-32	Compliance	E004	03/06/2024	Chloride, total	11.0	mg/L
MW-32	Compliance	E004	03/06/2024	Chromium, total	0.0009 J	mg/L
MW-32	Compliance	E004	03/06/2024	Cobalt, total	0.0008 J	mg/L
MW-32	Compliance	E004	03/06/2024	Dissolved Oxygen	1.96	mg/L
MW-32	Compliance	E004	03/06/2024	Fluoride, total	0.400	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-32	Compliance	E004	03/06/2024	Lead, total	0.0006 U	mg/L
MW-32	Compliance	E004	03/06/2024	Lithium, total	0.0019 J	mg/L
MW-32	Compliance	E004	03/06/2024	Mercury, total	0.00006 U	mg/L
MW-32	Compliance	E004	03/06/2024	Molybdenum, total	0.0006 U	mg/L
MW-32	Compliance	E004	03/06/2024	Oxidation Reduction Potential	36.0	mV
MW-32	Compliance	E004	03/06/2024	pH (field)	6.6	SU
MW-32	Compliance	E004	03/06/2024	Radium 226 + Radium 228, total	1.42	pCi/L
MW-32	Compliance	E004	03/06/2024	Selenium, total	0.0006 U	mg/L
MW-32	Compliance	E004	03/06/2024	Specific Conductance @ 25C (field)	1,270	micromhos/cm
MW-32	Compliance	E004	03/06/2024	Sulfate, total	358	mg/L
MW-32	Compliance	E004	03/06/2024	Temperature	13.1	degrees C
MW-32	Compliance	E004	03/06/2024	Thallium, total	0.001 U	mg/L
MW-32	Compliance	E004	03/06/2024	Total Dissolved Solids	1,020	mg/L
MW-32	Compliance	E004	03/06/2024	Turbidity, field	8.90	NTU
PZ-4C	Compliance	E004	03/06/2024	Antimony, total	0.00270	mg/L
PZ-4C	Compliance	E004	03/06/2024	Arsenic, total	0.00180	mg/L
PZ-4C	Compliance	E004	03/06/2024	Barium, total	0.247	mg/L
PZ-4C	Compliance	E004	03/06/2024	Beryllium, total	0.0002 U	mg/L
PZ-4C	Compliance	E004	03/06/2024	Boron, total	1.48	mg/L
PZ-4C	Compliance	E004	03/06/2024	Cadmium, total	0.0002 U	mg/L
PZ-4C	Compliance	E004	03/06/2024	Calcium, total	113	mg/L
PZ-4C	Compliance	E004	03/06/2024	Chloride, total	34.0	mg/L
PZ-4C	Compliance	E004	03/06/2024	Chromium, total	0.00150 J	mg/L
PZ-4C	Compliance	E004	03/06/2024	Cobalt, total	0.0002 J	mg/L
PZ-4C	Compliance	E004	03/06/2024	Dissolved Oxygen	1.48	mg/L
PZ-4C	Compliance	E004	03/06/2024	Fluoride, total	0.340	mg/L
PZ-4C	Compliance	E004	03/06/2024	Lead, total	0.0006 J	mg/L
PZ-4C	Compliance	E004	03/06/2024	Lithium, total	0.00990	mg/L
PZ-4C	Compliance	E004	03/06/2024	Mercury, total	0.00006 U	mg/L
PZ-4C	Compliance	E004	03/06/2024	Molybdenum, total	0.00170	mg/L
PZ-4C	Compliance	E004	03/06/2024	Oxidation Reduction Potential	-12.0	mV
PZ-4C	Compliance	E004	03/06/2024	pH (field)	6.9	SU
PZ-4C	Compliance	E004	03/06/2024	Radium 226 + Radium 228, total	1.79	pCi/L
PZ-4C	Compliance	E004	03/06/2024	Selenium, total	0.0006 U	mg/L
PZ-4C	Compliance	E004	03/06/2024	Specific Conductance @ 25C (field)	829	micromhos/cm
PZ-4C	Compliance	E004	03/06/2024	Sulfate, total	77.0	mg/L
PZ-4C	Compliance	E004	03/06/2024	Temperature	11.4	degrees C
PZ-4C	Compliance	E004	03/06/2024	Thallium, total	0.001 U	mg/L
PZ-4C	Compliance	E004	03/06/2024	Total Dissolved Solids	630	mg/L
PZ-4C	Compliance	E004	03/06/2024	Turbidity, field	6.80	NTU

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

Notes:
- = no data available
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- = The result is an estimated quantity, but the result may be biased low.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-1	Background	E005	05/20/2024	Antimony, total	0.00130	mg/L
MW-1	Background	E005	05/20/2024	Arsenic, total	0.00200	mg/L
MW-1	Background	E005	05/20/2024	Barium, total	0.103	mg/L
MW-1	Background	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-1	Background	E005	05/20/2024	Boron, total	0.272	mg/L
MW-1	Background	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-1	Background	E005	05/20/2024	Calcium, total	58.6	mg/L
MW-1	Background	E005	05/20/2024	Chloride, total	16.0	mg/L
MW-1	Background	E005	05/20/2024	Chromium, total	0.00970	mg/L
MW-1	Background	E005	05/20/2024	Cobalt, total	0.00260	mg/L
MW-1	Background	E005	05/20/2024	Dissolved Oxygen	1.10	mg/L
MW-1	Background	E005	05/20/2024	Fluoride, total	0.190	mg/L
MW-1	Background	E005	05/20/2024	Lead, total	0.00250	mg/L
MW-1	Background	E005	05/20/2024	Lithium, total	0.00400	mg/L
MW-1	Background	E005	05/20/2024	Mercury, total	0.00006 J	mg/L
MW-1	Background	E005	05/20/2024	Molybdenum, total	0.00190	mg/L
MW-1	Background	E005	05/20/2024	Oxidation Reduction Potential	132	mV
MW-1	Background	E005	05/20/2024	pH (field)	6.5	SU
MW-1	Background	E005	05/20/2024	Radium 226 + Radium 228, total	1.75	pCi/L
MW-1	Background	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-1	Background	E005	05/20/2024	Specific Conductance @ 25C (field)	544	micromhos/cm
MW-1	Background	E005	05/20/2024	Sulfate, total	91.0	mg/L
MW-1	Background	E005	05/20/2024	Temperature	16.4	degrees C
MW-1	Background	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-1	Background	E005	05/20/2024	Total Dissolved Solids	895	mg/L
MW-1	Background	E005	05/20/2024	Turbidity, field	5.10	NTU
MW-2	Background	E005	05/20/2024	Antimony, total	0.0007 U	mg/L
MW-2	Background	E005	05/20/2024	Arsenic, total	0.00120	mg/L
MW-2	Background	E005	05/20/2024	Barium, total	0.108	mg/L
MW-2	Background	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-2	Background	E005	05/20/2024	Boron, total	0.0488	mg/L
MW-2	Background	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-2	Background	E005	05/20/2024	Calcium, total	90.0	mg/L
MW-2	Background	E005	05/20/2024	Chloride, total	17.0	mg/L
MW-2	Background	E005	05/20/2024	Chromium, total	0.00150	mg/L
MW-2	Background	E005	05/20/2024	Cobalt, total	0.0004 J	mg/L
MW-2	Background	E005	05/20/2024	Dissolved Oxygen	0.280	mg/L
MW-2	Background	E005	05/20/2024	Fluoride, total	0.470	mg/L
MW-2	Background	E005	05/20/2024	Lead, total	0.00100 J	mg/L
MW-2	Background	E005	05/20/2024	Lithium, total	0.00500	mg/L
MW-2	Background	E005	05/20/2024	Mercury, total	0.00006 U	mg/L
MW-2	Background	E005	05/20/2024	Molybdenum, total	0.00450	mg/L
MW-2	Background	E005	05/20/2024	Oxidation Reduction Potential	35.0	mV
MW-2	Background	E005	05/20/2024	pH (field)	7.2	SU
MW-2	Background	E005	05/20/2024	Radium 226 + Radium 228, total	0.634	pCi/L
MW-2	Background	E005	05/20/2024	Selenium, total	0.0006 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-2	Background	E005	05/20/2024	Specific Conductance @ 25C (field)	485	micromhos/cm
MW-2	Background	E005	05/20/2024	Sulfate, total	149	mg/L
MW-2	Background	E005	05/20/2024	Temperature	15.7	degrees C
MW-2	Background	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-2	Background	E005	05/20/2024	Total Dissolved Solids	504	mg/L
MW-2	Background	E005	05/20/2024	Turbidity, field	49.0	NTU
MW-3	Compliance	E005	05/20/2024	Antimony, total	0.0007 U	mg/L
MW-3	Compliance	E005	05/20/2024	Arsenic, total	0.0004 U	mg/L
MW-3	Compliance	E005	05/20/2024	Barium, total	0.0419	mg/L
MW-3	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-3	Compliance	E005	05/20/2024	Boron, total	1.42	mg/L
MW-3	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-3	Compliance	E005	05/20/2024	Calcium, total	88.9	mg/L
MW-3	Compliance	E005	05/20/2024	Chloride, total	29.0	mg/L
MW-3	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-3	Compliance	E005	05/20/2024	Cobalt, total	0.0006 J	mg/L
MW-3	Compliance	E005	05/20/2024	Dissolved Oxygen	0.350	mg/L
MW-3	Compliance	E005	05/20/2024	Fluoride, total	0.230	mg/L
MW-3	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-3	Compliance	E005	05/20/2024	Lithium, total	0.0016 J	mg/L
MW-3	Compliance	E005	05/20/2024	Mercury, total	0.00009 J	mg/L
MW-3	Compliance	E005	05/20/2024	Molybdenum, total	0.0006 J	mg/L
MW-3	Compliance	E005	05/20/2024	Oxidation Reduction Potential	247	mV
MW-3	Compliance	E005	05/20/2024	pH (field)	6.7	SU
MW-3	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.635	pCi/L
MW-3	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-3	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	595	micromhos/cm
MW-3	Compliance	E005	05/20/2024	Sulfate, total	140	mg/L
MW-3	Compliance	E005	05/20/2024	Temperature	15.7	degrees C
MW-3	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-3	Compliance	E005	05/20/2024	Total Dissolved Solids	578	mg/L
MW-3	Compliance	E005	05/20/2024	Turbidity, field	5.80	NTU
MW-5	Compliance	E005	05/20/2024	Antimony, total	0.0007 U	mg/L
MW-5	Compliance	E005	05/20/2024	Arsenic, total	0.00280	mg/L
MW-5	Compliance	E005	05/20/2024	Barium, total	0.195	mg/L
MW-5	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-5	Compliance	E005	05/20/2024	Boron, total	0.602	mg/L
MW-5	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-5	Compliance	E005	05/20/2024	Calcium, total	150	mg/L
MW-5	Compliance	E005	05/20/2024	Chloride, total	44.0	mg/L
MW-5	Compliance	E005	05/20/2024	Chromium, total	0.00290	mg/L
MW-5	Compliance	E005	05/20/2024	Cobalt, total	0.00240	mg/L
MW-5	Compliance	E005	05/20/2024	Dissolved Oxygen	0.460	mg/L
MW-5	Compliance	E005	05/20/2024	Fluoride, total	0.170	mg/L
MW-5	Compliance	E005	05/20/2024	Lead, total	0.00100	mg/L
MW-5	Compliance	E005	05/20/2024	Lithium, total	0.00450	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-5	Compliance	E005	05/20/2024	Mercury, total	0.0001 J	mg/L
MW-5	Compliance	E005	05/20/2024	Molybdenum, total	0.0012 J	mg/L
MW-5	Compliance	E005	05/20/2024	Oxidation Reduction Potential	40.0	mV
MW-5	Compliance	E005	05/20/2024	pH (field)	6.5	SU
MW-5	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.183	pCi/L
MW-5	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-5	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	842	micromhos/cm
MW-5	Compliance	E005	05/20/2024	Sulfate, total	13.0 J	mg/L
MW-5	Compliance	E005	05/20/2024	Temperature	17.2	degrees C
MW-5	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-5	Compliance	E005	05/20/2024	Total Dissolved Solids	785 J	mg/L
MW-5	Compliance	E005	05/20/2024	Turbidity, field	27.0	NTU
MW-6	Compliance	E005	05/20/2024	Antimony, total	0.0004 U	mg/L
MW-6	Compliance	E005	05/20/2024	Arsenic, total	0.0004 U	mg/L
MW-6	Compliance	E005	05/20/2024	Barium, total	0.0371	mg/L
MW-6	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-6	Compliance	E005	05/20/2024	Boron, total	0.759	mg/L
MW-6	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-6	Compliance	E005	05/20/2024	Calcium, total	80.2	mg/L
MW-6	Compliance	E005	05/20/2024	Chloride, total	1 J	mg/L
MW-6	Compliance	E005	05/20/2024	Chromium, total	0.0012 J	mg/L
MW-6	Compliance	E005	05/20/2024	Cobalt, total	0.0002 J	mg/L
MW-6	Compliance	E005	05/20/2024	Dissolved Oxygen	6.07	mg/L
MW-6	Compliance	E005	05/20/2024	Fluoride, total	0.210	mg/L
MW-6	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-6	Compliance	E005	05/20/2024	Lithium, total	0.0015 U	mg/L
MW-6	Compliance	E005	05/20/2024	Mercury, total	0.00009 J	mg/L
MW-6	Compliance	E005	05/20/2024	Molybdenum, total	0.0006 U	mg/L
MW-6	Compliance	E005	05/20/2024	Oxidation Reduction Potential	69.0	mV
MW-6	Compliance	E005	05/20/2024	pH (field)	6.4	SU
MW-6	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.605	pCi/L
MW-6	Compliance	E005	05/20/2024	Selenium, total	0.00140	mg/L
MW-6	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	610	micromhos/cm
MW-6	Compliance	E005	05/20/2024	Sulfate, total	116	mg/L
MW-6	Compliance	E005	05/20/2024	Temperature	13.4	degrees C
MW-6	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-6	Compliance	E005	05/20/2024	Total Dissolved Solids	450	mg/L
MW-6	Compliance	E005	05/20/2024	Turbidity, field	4.70	NTU
MW-7	Compliance	E005	05/20/2024	Antimony, total	0.0004 U	mg/L
MW-7	Compliance	E005	05/20/2024	Arsenic, total	0.00170	mg/L
MW-7	Compliance	E005	05/20/2024	Barium, total	0.0395	mg/L
MW-7	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-7	Compliance	E005	05/20/2024	Boron, total	0.286	mg/L
MW-7	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-7	Compliance	E005	05/20/2024	Calcium, total	112	mg/L
MW-7	Compliance	E005	05/20/2024	Chloride, total	1 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-7	Compliance	E005	05/20/2024	Chromium, total	0.0012 J	mg/L
MW-7	Compliance	E005	05/20/2024	Cobalt, total	0.00190	mg/L
MW-7	Compliance	E005	05/20/2024	Dissolved Oxygen	1.00	mg/L
MW-7	Compliance	E005	05/20/2024	Fluoride, total	0.260	mg/L
MW-7	Compliance	E005	05/20/2024	Lead, total	0.0007 J	mg/L
MW-7	Compliance	E005	05/20/2024	Lithium, total	0.0022 J	mg/L
MW-7	Compliance	E005	05/20/2024	Mercury, total	0.00006 U	mg/L
MW-7	Compliance	E005	05/20/2024	Molybdenum, total	0.00230	mg/L
MW-7	Compliance	E005	05/20/2024	Oxidation Reduction Potential	-62.0	mV
MW-7	Compliance	E005	05/20/2024	pH (field)	7.0	SU
MW-7	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.384	pCi/L
MW-7	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-7	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	760	micromhos/cm
MW-7	Compliance	E005	05/20/2024	Sulfate, total	156	mg/L
MW-7	Compliance	E005	05/20/2024	Temperature	13.4	degrees C
MW-7	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-7	Compliance	E005	05/20/2024	Total Dissolved Solids	625	mg/L
MW-7	Compliance	E005	05/20/2024	Turbidity, field	4.50	NTU
MW-7S	Compliance	E005	05/20/2024	Antimony, total	0.001 UJ	mg/L
MW-7S	Compliance	E005	05/20/2024	Arsenic, total	0.00890	mg/L
MW-7S	Compliance	E005	05/20/2024	Barium, total	0.0471	mg/L
MW-7S	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-7S	Compliance	E005	05/20/2024	Boron, total	5.54	mg/L
MW-7S	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-7S	Compliance	E005	05/20/2024	Calcium, total	168	mg/L
MW-7S	Compliance	E005	05/20/2024	Chloride, total	8.00	mg/L
MW-7S	Compliance	E005	05/20/2024	Chromium, total	0.00410	mg/L
MW-7S	Compliance	E005	05/20/2024	Cobalt, total	0.00160	mg/L
MW-7S	Compliance	E005	05/20/2024	Dissolved Oxygen	1.55	mg/L
MW-7S	Compliance	E005	05/20/2024	Fluoride, total	0.300	mg/L
MW-7S	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-7S	Compliance	E005	05/20/2024	Lithium, total	0.0015 U	mg/L
MW-7S	Compliance	E005	05/20/2024	Mercury, total	0.00009 J	mg/L
MW-7S	Compliance	E005	05/20/2024	Molybdenum, total	0.00180	mg/L
MW-7S	Compliance	E005	05/20/2024	Oxidation Reduction Potential	-57.0	mV
MW-7S	Compliance	E005	05/20/2024	pH (field)	6.7	SU
MW-7S	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.589	pCi/L
MW-7S	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-7S	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	1,340	micromhos/cm
MW-7S	Compliance	E005	05/20/2024	Sulfate, total	486	mg/L
MW-7S	Compliance	E005	05/20/2024	Temperature	16.9	degrees C
MW-7S	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-7S	Compliance	E005	05/20/2024	Total Dissolved Solids	1,140	mg/L
MW-7S	Compliance	E005	05/20/2024	Turbidity, field	2.80	NTU
MW-8	Compliance	E005	05/20/2024	Antimony, total	0.001 UJ	mg/L
MW-8	Compliance	E005	05/20/2024	Arsenic, total	0.0006 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8	Compliance	E005	05/20/2024	Barium, total	0.0222	mg/L
MW-8	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-8	Compliance	E005	05/20/2024	Boron, total	0.889	mg/L
MW-8	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-8	Compliance	E005	05/20/2024	Calcium, total	141	mg/L
MW-8	Compliance	E005	05/20/2024	Chloride, total	21.0	mg/L
MW-8	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-8	Compliance	E005	05/20/2024	Cobalt, total	0.00200 J	mg/L
MW-8	Compliance	E005	05/20/2024	Dissolved Oxygen	0.950	mg/L
MW-8	Compliance	E005	05/20/2024	Fluoride, total	0.220	mg/L
MW-8	Compliance	E005	05/20/2024	Lead, total	0.0008 J	mg/L
MW-8	Compliance	E005	05/20/2024	Lithium, total	0.0018 J	mg/L
MW-8	Compliance	E005	05/20/2024	Mercury, total	0.00009 J	mg/L
MW-8	Compliance	E005	05/20/2024	Molybdenum, total	0.0007 J	mg/L
MW-8	Compliance	E005	05/20/2024	Oxidation Reduction Potential	92.0	mV
MW-8	Compliance	E005	05/20/2024	pH (field)	6.6	SU
MW-8	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.122	pCi/L
MW-8	Compliance	E005	05/20/2024	Selenium, total	0.0006 J	mg/L
MW-8	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	1,190	micromhos/cm
MW-8	Compliance	E005	05/20/2024	Sulfate, total	217	mg/L
MW-8	Compliance	E005	05/20/2024	Temperature	17.2	degrees C
MW-8	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-8	Compliance	E005	05/20/2024	Total Dissolved Solids	844	mg/L
MW-8	Compliance	E005	05/20/2024	Turbidity, field	3.60	NTU
MW-8S	Compliance	E005	--	Antimony, total	--	mg/L
MW-8S	Compliance	E005	--	Arsenic, total	--	mg/L
MW-8S	Compliance	E005	--	Barium, total	--	mg/L
MW-8S	Compliance	E005	--	Beryllium, total	--	mg/L
MW-8S	Compliance	E005	--	Boron, total	--	mg/L
MW-8S	Compliance	E005	--	Cadmium, total	--	mg/L
MW-8S	Compliance	E005	--	Calcium, total	--	mg/L
MW-8S	Compliance	E005	--	Chloride, total	--	mg/L
MW-8S	Compliance	E005	--	Chromium, total	--	mg/L
MW-8S	Compliance	E005	--	Cobalt, total	--	mg/L
MW-8S	Compliance	E005	--	Dissolved Oxygen	--	mg/L
MW-8S	Compliance	E005	--	Fluoride, total	--	mg/L
MW-8S	Compliance	E005	--	Lead, total	--	mg/L
MW-8S	Compliance	E005	--	Lithium, total	--	mg/L
MW-8S	Compliance	E005	--	Mercury, total	--	mg/L
MW-8S	Compliance	E005	--	Molybdenum, total	--	mg/L
MW-8S	Compliance	E005	--	Oxidation Reduction Potential	--	mV
MW-8S	Compliance	E005	--	pH (field)	--	SU
MW-8S	Compliance	E005	--	Radium 226 + Radium 228, total	--	pCi/L
MW-8S	Compliance	E005	--	Selenium, total	--	mg/L
MW-8S	Compliance	E005	--	Specific Conductance @ 25C (field)	--	micromhos/cm
MW-8S	Compliance	E005	--	Sulfate, total	--	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8S	Compliance	E005	--	Temperature	--	degrees C
MW-8S	Compliance	E005	--	Thallium, total	--	mg/L
MW-8S	Compliance	E005	--	Total Dissolved Solids	--	mg/L
MW-8S	Compliance	E005	--	Turbidity, field	--	NTU
MW-11	Compliance	E005	05/20/2024	Antimony, total	0.0007 U	mg/L
MW-11	Compliance	E005	05/20/2024	Arsenic, total	0.0006 J	mg/L
MW-11	Compliance	E005	05/20/2024	Barium, total	0.113	mg/L
MW-11	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-11	Compliance	E005	05/20/2024	Boron, total	1.41	mg/L
MW-11	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-11	Compliance	E005	05/20/2024	Calcium, total	112	mg/L
MW-11	Compliance	E005	05/20/2024	Chloride, total	34.0	mg/L
MW-11	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-11	Compliance	E005	05/20/2024	Cobalt, total	0.0002 J	mg/L
MW-11	Compliance	E005	05/20/2024	Dissolved Oxygen	0.830	mg/L
MW-11	Compliance	E005	05/20/2024	Fluoride, total	0.470	mg/L
MW-11	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-11	Compliance	E005	05/20/2024	Lithium, total	0.0021 J	mg/L
MW-11	Compliance	E005	05/20/2024	Mercury, total	0.00009 J	mg/L
MW-11	Compliance	E005	05/20/2024	Molybdenum, total	0.00190	mg/L
MW-11	Compliance	E005	05/20/2024	Oxidation Reduction Potential	172	mV
MW-11	Compliance	E005	05/20/2024	pH (field)	6.8	SU
MW-11	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.588	pCi/L
MW-11	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-11	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	641	micromhos/cm
MW-11	Compliance	E005	05/20/2024	Sulfate, total	117	mg/L
MW-11	Compliance	E005	05/20/2024	Temperature	15.9	degrees C
MW-11	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-11	Compliance	E005	05/20/2024	Total Dissolved Solids	636 J	mg/L
MW-11	Compliance	E005	05/20/2024	Turbidity, field	2.70	NTU
MW-12	Compliance	E005	05/20/2024	Antimony, total	0.0007 U	mg/L
MW-12	Compliance	E005	05/20/2024	Arsenic, total	0.0004 U	mg/L
MW-12	Compliance	E005	05/20/2024	Barium, total	0.0841	mg/L
MW-12	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-12	Compliance	E005	05/20/2024	Boron, total	4.23	mg/L
MW-12	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-12	Compliance	E005	05/20/2024	Calcium, total	189	mg/L
MW-12	Compliance	E005	05/20/2024	Chloride, total	26.0	mg/L
MW-12	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-12	Compliance	E005	05/20/2024	Cobalt, total	0.0003 J	mg/L
MW-12	Compliance	E005	05/20/2024	Dissolved Oxygen	0.760	mg/L
MW-12	Compliance	E005	05/20/2024	Fluoride, total	0.170	mg/L
MW-12	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-12	Compliance	E005	05/20/2024	Lithium, total	0.00890	mg/L
MW-12	Compliance	E005	05/20/2024	Mercury, total	0.00009 J	mg/L
MW-12	Compliance	E005	05/20/2024	Molybdenum, total	0.0007 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-12	Compliance	E005	05/20/2024	Oxidation Reduction Potential	-36.0	mV
MW-12	Compliance	E005	05/20/2024	pH (field)	6.5	SU
MW-12	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.876	pCi/L
MW-12	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-12	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	1,370	micromhos/cm
MW-12	Compliance	E005	05/20/2024	Sulfate, total	386	mg/L
MW-12	Compliance	E005	05/20/2024	Temperature	14.4	degrees C
MW-12	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-12	Compliance	E005	05/20/2024	Total Dissolved Solids	1,280	mg/L
MW-12	Compliance	E005	05/20/2024	Turbidity, field	9.30	NTU
MW-20	Compliance	E005	05/20/2024	Antimony, total	0.0007 U	mg/L
MW-20	Compliance	E005	05/20/2024	Arsenic, total	0.0004 J	mg/L
MW-20	Compliance	E005	05/20/2024	Barium, total	0.0872	mg/L
MW-20	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-20	Compliance	E005	05/20/2024	Boron, total	0.628	mg/L
MW-20	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-20	Compliance	E005	05/20/2024	Calcium, total	125	mg/L
MW-20	Compliance	E005	05/20/2024	Chloride, total	21.0	mg/L
MW-20	Compliance	E005	05/20/2024	Chromium, total	0.0008 J	mg/L
MW-20	Compliance	E005	05/20/2024	Cobalt, total	0.0002 J	mg/L
MW-20	Compliance	E005	05/20/2024	Dissolved Oxygen	0.280	mg/L
MW-20	Compliance	E005	05/20/2024	Fluoride, total	0.330	mg/L
MW-20	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-20	Compliance	E005	05/20/2024	Lithium, total	0.00450	mg/L
MW-20	Compliance	E005	05/20/2024	Mercury, total	0.00009 J	mg/L
MW-20	Compliance	E005	05/20/2024	Molybdenum, total	0.00250	mg/L
MW-20	Compliance	E005	05/20/2024	Oxidation Reduction Potential	264	mV
MW-20	Compliance	E005	05/20/2024	pH (field)	6.9	SU
MW-20	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.617	pCi/L
MW-20	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-20	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	678	micromhos/cm
MW-20	Compliance	E005	05/20/2024	Sulfate, total	164	mg/L
MW-20	Compliance	E005	05/20/2024	Temperature	15.3	degrees C
MW-20	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-20	Compliance	E005	05/20/2024	Total Dissolved Solids	720	mg/L
MW-20	Compliance	E005	05/20/2024	Turbidity, field	9.20	NTU
MW-20S	Compliance	E005	05/21/2024	Antimony, total	0.0005 J	mg/L
MW-20S	Compliance	E005	05/21/2024	Arsenic, total	0.0004 J	mg/L
MW-20S	Compliance	E005	05/21/2024	Barium, total	0.0359	mg/L
MW-20S	Compliance	E005	05/21/2024	Beryllium, total	0.0002 U	mg/L
MW-20S	Compliance	E005	05/21/2024	Boron, total	1.84	mg/L
MW-20S	Compliance	E005	05/21/2024	Cadmium, total	0.0002 U	mg/L
MW-20S	Compliance	E005	05/21/2024	Calcium, total	192	mg/L
MW-20S	Compliance	E005	05/21/2024	Chloride, total	18.0	mg/L
MW-20S	Compliance	E005	05/21/2024	Chromium, total	0.0013 J	mg/L
MW-20S	Compliance	E005	05/21/2024	Cobalt, total	0.0003 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
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ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-20S	Compliance	E005	05/21/2024	Dissolved Oxygen	0.660	mg/L
MW-20S	Compliance	E005	05/21/2024	Fluoride, total	0.190	mg/L
MW-20S	Compliance	E005	05/21/2024	Lead, total	0.0008 J	mg/L
MW-20S	Compliance	E005	05/21/2024	Lithium, total	0.0015 U	mg/L
MW-20S	Compliance	E005	05/21/2024	Mercury, total	0.0001 J	mg/L
MW-20S	Compliance	E005	05/21/2024	Molybdenum, total	0.0006 U	mg/L
MW-20S	Compliance	E005	05/21/2024	Oxidation Reduction Potential	250	mV
MW-20S	Compliance	E005	05/21/2024	pH (field)	6.6	SU
MW-20S	Compliance	E005	05/21/2024	Radium 226 + Radium 228, total	0.172	pCi/L
MW-20S	Compliance	E005	05/21/2024	Selenium, total	0.0006 U	mg/L
MW-20S	Compliance	E005	05/21/2024	Specific Conductance @ 25C (field)	1,570	micromhos/cm
MW-20S	Compliance	E005	05/21/2024	Sulfate, total	402	mg/L
MW-20S	Compliance	E005	05/21/2024	Temperature	17.0	degrees C
MW-20S	Compliance	E005	05/21/2024	Thallium, total	0.001 U	mg/L
MW-20S	Compliance	E005	05/21/2024	Total Dissolved Solids	1,120	mg/L
MW-20S	Compliance	E005	05/21/2024	Turbidity, field	31.0	NTU
MW-23	Compliance	E005	05/20/2024	Antimony, total	0.0004 U	mg/L
MW-23	Compliance	E005	05/20/2024	Arsenic, total	0.00230	mg/L
MW-23	Compliance	E005	05/20/2024	Barium, total	0.0857	mg/L
MW-23	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-23	Compliance	E005	05/20/2024	Boron, total	2.51	mg/L
MW-23	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-23	Compliance	E005	05/20/2024	Calcium, total	106	mg/L
MW-23	Compliance	E005	05/20/2024	Chloride, total	26.0	mg/L
MW-23	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-23	Compliance	E005	05/20/2024	Cobalt, total	0.00150	mg/L
MW-23	Compliance	E005	05/20/2024	Dissolved Oxygen	0.280	mg/L
MW-23	Compliance	E005	05/20/2024	Fluoride, total	0.340	mg/L
MW-23	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-23	Compliance	E005	05/20/2024	Lithium, total	0.0015 U	mg/L
MW-23	Compliance	E005	05/20/2024	Mercury, total	0.0001 J	mg/L
MW-23	Compliance	E005	05/20/2024	Molybdenum, total	0.0011 J	mg/L
MW-23	Compliance	E005	05/20/2024	Oxidation Reduction Potential	133	mV
MW-23	Compliance	E005	05/20/2024	pH (field)	6.8	SU
MW-23	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0	pCi/L
MW-23	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-23	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	651	micromhos/cm
MW-23	Compliance	E005	05/20/2024	Sulfate, total	50.0 J+	mg/L
MW-23	Compliance	E005	05/20/2024	Temperature	15.7	degrees C
MW-23	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-23	Compliance	E005	05/20/2024	Total Dissolved Solids	614	mg/L
MW-23	Compliance	E005	05/20/2024	Turbidity, field	5.10	NTU
MW-27	Compliance	E005	05/21/2024	Antimony, total	0.0007 U	mg/L
MW-27	Compliance	E005	05/21/2024	Arsenic, total	0.00530	mg/L
MW-27	Compliance	E005	05/21/2024	Barium, total	0.116	mg/L
MW-27	Compliance	E005	05/21/2024	Beryllium, total	0.0005 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-27	Compliance	E005	05/21/2024	Boron, total	1.28	mg/L
MW-27	Compliance	E005	05/21/2024	Cadmium, total	0.0002 U	mg/L
MW-27	Compliance	E005	05/21/2024	Calcium, total	195	mg/L
MW-27	Compliance	E005	05/21/2024	Chloride, total	11.0	mg/L
MW-27	Compliance	E005	05/21/2024	Chromium, total	0.0323	mg/L
MW-27	Compliance	E005	05/21/2024	Cobalt, total	0.00640	mg/L
MW-27	Compliance	E005	05/21/2024	Dissolved Oxygen	3.14	mg/L
MW-27	Compliance	E005	05/21/2024	Fluoride, total	0.380	mg/L
MW-27	Compliance	E005	05/21/2024	Lead, total	0.00930	mg/L
MW-27	Compliance	E005	05/21/2024	Lithium, total	0.0100	mg/L
MW-27	Compliance	E005	05/21/2024	Mercury, total	0.00013 J	mg/L
MW-27	Compliance	E005	05/21/2024	Molybdenum, total	0.00260	mg/L
MW-27	Compliance	E005	05/21/2024	Oxidation Reduction Potential	-14.0	mV
MW-27	Compliance	E005	05/21/2024	pH (field)	7.0	SU
MW-27	Compliance	E005	05/21/2024	Radium 226 + Radium 228, total	1.66	pCi/L
MW-27	Compliance	E005	05/21/2024	Selenium, total	0.0006 U	mg/L
MW-27	Compliance	E005	05/21/2024	Specific Conductance @ 25C (field)	1,760	micromhos/cm
MW-27	Compliance	E005	05/21/2024	Sulfate, total	400	mg/L
MW-27	Compliance	E005	05/21/2024	Temperature	17.9	degrees C
MW-27	Compliance	E005	05/21/2024	Thallium, total	0.001 U	mg/L
MW-27	Compliance	E005	05/21/2024	Total Dissolved Solids	1,360	mg/L
MW-27	Compliance	E005	05/21/2024	Turbidity, field	280	NTU
MW-28	Compliance	E005	05/20/2024	Antimony, total	0.0007 U	mg/L
MW-28	Compliance	E005	05/20/2024	Arsenic, total	0.0005 J	mg/L
MW-28	Compliance	E005	05/20/2024	Barium, total	0.0309	mg/L
MW-28	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-28	Compliance	E005	05/20/2024	Boron, total	10.3	mg/L
MW-28	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-28	Compliance	E005	05/20/2024	Calcium, total	278	mg/L
MW-28	Compliance	E005	05/20/2024	Chloride, total	15.0	mg/L
MW-28	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-28	Compliance	E005	05/20/2024	Cobalt, total	0.0005 J	mg/L
MW-28	Compliance	E005	05/20/2024	Dissolved Oxygen	0.940	mg/L
MW-28	Compliance	E005	05/20/2024	Fluoride, total	0.130	mg/L
MW-28	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-28	Compliance	E005	05/20/2024	Lithium, total	0.00800	mg/L
MW-28	Compliance	E005	05/20/2024	Mercury, total	0.00006 U	mg/L
MW-28	Compliance	E005	05/20/2024	Molybdenum, total	0.0006 U	mg/L
MW-28	Compliance	E005	05/20/2024	Oxidation Reduction Potential	37.0	mV
MW-28	Compliance	E005	05/20/2024	pH (field)	6.6	SU
MW-28	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.128	pCi/L
MW-28	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-28	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	2,100	micromhos/cm
MW-28	Compliance	E005	05/20/2024	Sulfate, total	946	mg/L
MW-28	Compliance	E005	05/20/2024	Temperature	14.8	degrees C
MW-28	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-28	Compliance	E005	05/20/2024	Total Dissolved Solids	2,080	mg/L
MW-28	Compliance	E005	05/20/2024	Turbidity, field	5.20	NTU
MW-30	Compliance	E005	05/20/2024	Antimony, total	0.0004 U	mg/L
MW-30	Compliance	E005	05/20/2024	Arsenic, total	0.0111	mg/L
MW-30	Compliance	E005	05/20/2024	Barium, total	0.160	mg/L
MW-30	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-30	Compliance	E005	05/20/2024	Boron, total	1.02	mg/L
MW-30	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-30	Compliance	E005	05/20/2024	Calcium, total	109	mg/L
MW-30	Compliance	E005	05/20/2024	Chloride, total	40.0	mg/L
MW-30	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-30	Compliance	E005	05/20/2024	Cobalt, total	0.00260	mg/L
MW-30	Compliance	E005	05/20/2024	Dissolved Oxygen	1.36	mg/L
MW-30	Compliance	E005	05/20/2024	Fluoride, total	0.330	mg/L
MW-30	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-30	Compliance	E005	05/20/2024	Lithium, total	0.0015 U	mg/L
MW-30	Compliance	E005	05/20/2024	Mercury, total	0.00006 U	mg/L
MW-30	Compliance	E005	05/20/2024	Molybdenum, total	0.00150 J	mg/L
MW-30	Compliance	E005	05/20/2024	Oxidation Reduction Potential	-78.0	mV
MW-30	Compliance	E005	05/20/2024	pH (field)	6.7	SU
MW-30	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.412	pCi/L
MW-30	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-30	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	1,100	micromhos/cm
MW-30	Compliance	E005	05/20/2024	Sulfate, total	10 UJ	mg/L
MW-30	Compliance	E005	05/20/2024	Temperature	18.2	degrees C
MW-30	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-30	Compliance	E005	05/20/2024	Total Dissolved Solids	570 J	mg/L
MW-30	Compliance	E005	05/20/2024	Turbidity, field	8.10	NTU
MW-31	Compliance	E005	05/21/2024	Antimony, total	0.0004 U	mg/L
MW-31	Compliance	E005	05/21/2024	Arsenic, total	0.00320	mg/L
MW-31	Compliance	E005	05/21/2024	Barium, total	0.204	mg/L
MW-31	Compliance	E005	05/21/2024	Beryllium, total	0.0002 U	mg/L
MW-31	Compliance	E005	05/21/2024	Boron, total	0.256	mg/L
MW-31	Compliance	E005	05/21/2024	Cadmium, total	0.0002 U	mg/L
MW-31	Compliance	E005	05/21/2024	Calcium, total	119	mg/L
MW-31	Compliance	E005	05/21/2024	Chloride, total	42.0	mg/L
MW-31	Compliance	E005	05/21/2024	Chromium, total	0.0007 U	mg/L
MW-31	Compliance	E005	05/21/2024	Cobalt, total	0.00130	mg/L
MW-31	Compliance	E005	05/21/2024	Dissolved Oxygen	1.63	mg/L
MW-31	Compliance	E005	05/21/2024	Fluoride, total	0.240	mg/L
MW-31	Compliance	E005	05/21/2024	Lead, total	0.0006 U	mg/L
MW-31	Compliance	E005	05/21/2024	Lithium, total	0.00340	mg/L
MW-31	Compliance	E005	05/21/2024	Mercury, total	0.00006 U	mg/L
MW-31	Compliance	E005	05/21/2024	Molybdenum, total	0.0007 J	mg/L
MW-31	Compliance	E005	05/21/2024	Oxidation Reduction Potential	-61.0	mV
MW-31	Compliance	E005	05/21/2024	pH (field)	6.7	SU

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-31	Compliance	E005	05/21/2024	Radium 226 + Radium 228, total	0.419	pCi/L
MW-31	Compliance	E005	05/21/2024	Selenium, total	0.0006 U	mg/L
MW-31	Compliance	E005	05/21/2024	Specific Conductance @ 25C (field)	1,140	micromhos/cm
MW-31	Compliance	E005	05/21/2024	Sulfate, total	10 UJ	mg/L
MW-31	Compliance	E005	05/21/2024	Temperature	19.9	degrees C
MW-31	Compliance	E005	05/21/2024	Thallium, total	0.001 U	mg/L
MW-31	Compliance	E005	05/21/2024	Total Dissolved Solids	618	mg/L
MW-31	Compliance	E005	05/21/2024	Turbidity, field	4.60	NTU
MW-31S	Compliance	E005	05/21/2024	Antimony, total	0.0004 U	mg/L
MW-31S	Compliance	E005	05/21/2024	Arsenic, total	0.00520	mg/L
MW-31S	Compliance	E005	05/21/2024	Barium, total	0.216	mg/L
MW-31S	Compliance	E005	05/21/2024	Beryllium, total	0.0002 U	mg/L
MW-31S	Compliance	E005	05/21/2024	Boron, total	0.223	mg/L
MW-31S	Compliance	E005	05/21/2024	Cadmium, total	0.0002 U	mg/L
MW-31S	Compliance	E005	05/21/2024	Calcium, total	133	mg/L
MW-31S	Compliance	E005	05/21/2024	Chloride, total	40.0	mg/L
MW-31S	Compliance	E005	05/21/2024	Chromium, total	0.001 J	mg/L
MW-31S	Compliance	E005	05/21/2024	Cobalt, total	0.00120	mg/L
MW-31S	Compliance	E005	05/21/2024	Dissolved Oxygen	3.57	mg/L
MW-31S	Compliance	E005	05/21/2024	Fluoride, total	0.210	mg/L
MW-31S	Compliance	E005	05/21/2024	Lead, total	0.0006 U	mg/L
MW-31S	Compliance	E005	05/21/2024	Lithium, total	0.00400	mg/L
MW-31S	Compliance	E005	05/21/2024	Mercury, total	0.00006 U	mg/L
MW-31S	Compliance	E005	05/21/2024	Molybdenum, total	0.001 J	mg/L
MW-31S	Compliance	E005	05/21/2024	Oxidation Reduction Potential	-43.0	mV
MW-31S	Compliance	E005	05/21/2024	pH (field)	6.8	SU
MW-31S	Compliance	E005	05/21/2024	Radium 226 + Radium 228, total	0.871	pCi/L
MW-31S	Compliance	E005	05/21/2024	Selenium, total	0.0006 U	mg/L
MW-31S	Compliance	E005	05/21/2024	Specific Conductance @ 25C (field)	1,310	micromhos/cm
MW-31S	Compliance	E005	05/21/2024	Sulfate, total	12.0 J	mg/L
MW-31S	Compliance	E005	05/21/2024	Temperature	20.9	degrees C
MW-31S	Compliance	E005	05/21/2024	Thallium, total	0.001 U	mg/L
MW-31S	Compliance	E005	05/21/2024	Total Dissolved Solids	760	mg/L
MW-31S	Compliance	E005	05/21/2024	Turbidity, field	36.0	NTU
MW-32	Compliance	E005	05/20/2024	Antimony, total	0.0004 U	mg/L
MW-32	Compliance	E005	05/20/2024	Arsenic, total	0.0004 U	mg/L
MW-32	Compliance	E005	05/20/2024	Barium, total	0.0441	mg/L
MW-32	Compliance	E005	05/20/2024	Beryllium, total	0.0002 U	mg/L
MW-32	Compliance	E005	05/20/2024	Boron, total	1.56	mg/L
MW-32	Compliance	E005	05/20/2024	Cadmium, total	0.0002 U	mg/L
MW-32	Compliance	E005	05/20/2024	Calcium, total	159	mg/L
MW-32	Compliance	E005	05/20/2024	Chloride, total	10.0	mg/L
MW-32	Compliance	E005	05/20/2024	Chromium, total	0.0007 U	mg/L
MW-32	Compliance	E005	05/20/2024	Cobalt, total	0.0004 J	mg/L
MW-32	Compliance	E005	05/20/2024	Dissolved Oxygen	0.480	mg/L
MW-32	Compliance	E005	05/20/2024	Fluoride, total	0.170	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-32	Compliance	E005	05/20/2024	Lead, total	0.0006 U	mg/L
MW-32	Compliance	E005	05/20/2024	Lithium, total	0.0015 J	mg/L
MW-32	Compliance	E005	05/20/2024	Mercury, total	0.00006 U	mg/L
MW-32	Compliance	E005	05/20/2024	Molybdenum, total	0.0006 U	mg/L
MW-32	Compliance	E005	05/20/2024	Oxidation Reduction Potential	193	mV
MW-32	Compliance	E005	05/20/2024	pH (field)	6.4	SU
MW-32	Compliance	E005	05/20/2024	Radium 226 + Radium 228, total	0.287	pCi/L
MW-32	Compliance	E005	05/20/2024	Selenium, total	0.0006 U	mg/L
MW-32	Compliance	E005	05/20/2024	Specific Conductance @ 25C (field)	923	micromhos/cm
MW-32	Compliance	E005	05/20/2024	Sulfate, total	341	mg/L
MW-32	Compliance	E005	05/20/2024	Temperature	16.4	degrees C
MW-32	Compliance	E005	05/20/2024	Thallium, total	0.001 U	mg/L
MW-32	Compliance	E005	05/20/2024	Total Dissolved Solids	1,030 J	mg/L
MW-32	Compliance	E005	05/20/2024	Turbidity, field	2.90	NTU
PZ-4C	Compliance	E005	05/21/2024	Antimony, total	0.0004 U	mg/L
PZ-4C	Compliance	E005	05/21/2024	Arsenic, total	0.00120	mg/L
PZ-4C	Compliance	E005	05/21/2024	Barium, total	0.251	mg/L
PZ-4C	Compliance	E005	05/21/2024	Beryllium, total	0.0002 U	mg/L
PZ-4C	Compliance	E005	05/21/2024	Boron, total	1.45	mg/L
PZ-4C	Compliance	E005	05/21/2024	Cadmium, total	0.0002 U	mg/L
PZ-4C	Compliance	E005	05/21/2024	Calcium, total	112	mg/L
PZ-4C	Compliance	E005	05/21/2024	Chloride, total	32.0	mg/L
PZ-4C	Compliance	E005	05/21/2024	Chromium, total	0.00160	mg/L
PZ-4C	Compliance	E005	05/21/2024	Cobalt, total	0.0005 J	mg/L
PZ-4C	Compliance	E005	05/21/2024	Dissolved Oxygen	0.590	mg/L
PZ-4C	Compliance	E005	05/21/2024	Fluoride, total	0.380	mg/L
PZ-4C	Compliance	E005	05/21/2024	Lead, total	0.0007 J	mg/L
PZ-4C	Compliance	E005	05/21/2024	Lithium, total	0.00680	mg/L
PZ-4C	Compliance	E005	05/21/2024	Mercury, total	0.00006 U	mg/L
PZ-4C	Compliance	E005	05/21/2024	Molybdenum, total	0.001 J	mg/L
PZ-4C	Compliance	E005	05/21/2024	Oxidation Reduction Potential	-113	mV
PZ-4C	Compliance	E005	05/21/2024	pH (field)	6.8	SU
PZ-4C	Compliance	E005	05/21/2024	Radium 226 + Radium 228, total	1.47	pCi/L
PZ-4C	Compliance	E005	05/21/2024	Selenium, total	0.0006 U	mg/L
PZ-4C	Compliance	E005	05/21/2024	Specific Conductance @ 25C (field)	999	micromhos/cm
PZ-4C	Compliance	E005	05/21/2024	Sulfate, total	79.0 J+	mg/L
PZ-4C	Compliance	E005	05/21/2024	Temperature	20.4	degrees C
PZ-4C	Compliance	E005	05/21/2024	Thallium, total	0.001 U	mg/L
PZ-4C	Compliance	E005	05/21/2024	Total Dissolved Solids	625 J	mg/L
PZ-4C	Compliance	E005	05/21/2024	Turbidity, field	22.0	NTU

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

Notes:
- = no data available
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-1	Background	E006	08/19/2024	Antimony, total	0.0008 J	mg/L
MW-1	Background	E006	08/19/2024	Arsenic, total	0.0005 J	mg/L
MW-1	Background	E006	08/19/2024	Barium, total	0.0661	mg/L
MW-1	Background	E006	08/19/2024	Beryllium, total	0.0002 U	mg/L
MW-1	Background	E006	08/19/2024	Boron, total	0.292	mg/L
MW-1	Background	E006	08/19/2024	Cadmium, total	0.0002 U	mg/L
MW-1	Background	E006	08/19/2024	Calcium, total	63.3	mg/L
MW-1	Background	E006	08/19/2024	Chloride, total	14.1	mg/L
MW-1	Background	E006	08/19/2024	Chromium, total	0.0009 J	mg/L
MW-1	Background	E006	08/19/2024	Cobalt, total	0.0006 J	mg/L
MW-1	Background	E006	08/19/2024	Dissolved Oxygen	2.60	mg/L
MW-1	Background	E006	08/19/2024	Fluoride, total	0.12 J	mg/L
MW-1	Background	E006	08/19/2024	Lead, total	0.0006 U	mg/L
MW-1	Background	E006	08/19/2024	Lithium, total	0.0019 J	mg/L
MW-1	Background	E006	08/19/2024	Mercury, total	0.00006 U	mg/L
MW-1	Background	E006	08/19/2024	Molybdenum, total	0.0007 J	mg/L
MW-1	Background	E006	08/19/2024	Oxidation Reduction Potential	144	mV
MW-1	Background	E006	08/19/2024	pH (field)	6.1	SU
MW-1	Background	E006	08/19/2024	Radium 226 + Radium 228, total	0.811	pCi/L
MW-1	Background	E006	08/19/2024	Selenium, total	0.0006 U	mg/L
MW-1	Background	E006	08/19/2024	Specific Conductance @ 25C (field)	558	micromhos/cm
MW-1	Background	E006	08/19/2024	Sulfate, total	87.8	mg/L
MW-1	Background	E006	08/19/2024	Temperature	18.8	degrees C
MW-1	Background	E006	08/19/2024	Thallium, total	0.001 U	mg/L
MW-1	Background	E006	08/19/2024	Total Dissolved Solids	344	mg/L
MW-1	Background	E006	08/19/2024	Turbidity, field	8.10	NTU
MW-2	Background	E006	08/19/2024	Antimony, total	0.00130	mg/L
MW-2	Background	E006	08/19/2024	Arsenic, total	0.00200	mg/L
MW-2	Background	E006	08/19/2024	Barium, total	0.132	mg/L
MW-2	Background	E006	08/19/2024	Beryllium, total	0.0002 U	mg/L
MW-2	Background	E006	08/19/2024	Boron, total	0.0523	mg/L
MW-2	Background	E006	08/19/2024	Cadmium, total	0.0002 U	mg/L
MW-2	Background	E006	08/19/2024	Calcium, total	108	mg/L
MW-2	Background	E006	08/19/2024	Chloride, total	15.6	mg/L
MW-2	Background	E006	08/19/2024	Chromium, total	0.00490	mg/L
MW-2	Background	E006	08/19/2024	Cobalt, total	0.00150	mg/L
MW-2	Background	E006	08/19/2024	Dissolved Oxygen	4.10	mg/L
MW-2	Background	E006	08/19/2024	Fluoride, total	0.38 J	mg/L
MW-2	Background	E006	08/19/2024	Lead, total	0.00140	mg/L
MW-2	Background	E006	08/19/2024	Lithium, total	0.00800	mg/L
MW-2	Background	E006	08/19/2024	Mercury, total	0.00006 U	mg/L
MW-2	Background	E006	08/19/2024	Molybdenum, total	0.00580	mg/L
MW-2	Background	E006	08/19/2024	Oxidation Reduction Potential	84.0	mV
MW-2	Background	E006	08/19/2024	pH (field)	7.1	SU
MW-2	Background	E006	08/19/2024	Radium 226 + Radium 228, total	0.53	pCi/L
MW-2	Background	E006	08/19/2024	Selenium, total	0.0006 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-2	Background	E006	08/19/2024	Specific Conductance @ 25C (field)	750	micromhos/cm
MW-2	Background	E006	08/19/2024	Sulfate, total	140	mg/L
MW-2	Background	E006	08/19/2024	Temperature	21.1	degrees C
MW-2	Background	E006	08/19/2024	Thallium, total	0.001 U	mg/L
MW-2	Background	E006	08/19/2024	Total Dissolved Solids	518	mg/L
MW-2	Background	E006	08/19/2024	Turbidity, field	200	NTU
MW-3	Compliance	E006	08/19/2024	Antimony, total	0.0006 J	mg/L
MW-3	Compliance	E006	08/19/2024	Arsenic, total	0.0004 U	mg/L
MW-3	Compliance	E006	08/19/2024	Barium, total	0.0436	mg/L
MW-3	Compliance	E006	08/19/2024	Beryllium, total	0.0002 U	mg/L
MW-3	Compliance	E006	08/19/2024	Boron, total	1.55	mg/L
MW-3	Compliance	E006	08/19/2024	Cadmium, total	0.0002 U	mg/L
MW-3	Compliance	E006	08/19/2024	Calcium, total	101	mg/L
MW-3	Compliance	E006	08/19/2024	Chloride, total	28.8	mg/L
MW-3	Compliance	E006	08/19/2024	Chromium, total	0.0007 U	mg/L
MW-3	Compliance	E006	08/19/2024	Cobalt, total	0.0001 J	mg/L
MW-3	Compliance	E006	08/19/2024	Dissolved Oxygen	3.57	mg/L
MW-3	Compliance	E006	08/19/2024	Fluoride, total	0.15 J	mg/L
MW-3	Compliance	E006	08/19/2024	Lead, total	0.0006 U	mg/L
MW-3	Compliance	E006	08/19/2024	Lithium, total	0.0021 J	mg/L
MW-3	Compliance	E006	08/19/2024	Mercury, total	0.00006 U	mg/L
MW-3	Compliance	E006	08/19/2024	Molybdenum, total	0.0006 U	mg/L
MW-3	Compliance	E006	08/19/2024	Oxidation Reduction Potential	89.0	mV
MW-3	Compliance	E006	08/19/2024	pH (field)	6.7	SU
MW-3	Compliance	E006	08/19/2024	Radium 226 + Radium 228, total	0.206	pCi/L
MW-3	Compliance	E006	08/19/2024	Selenium, total	0.0006 U	mg/L
MW-3	Compliance	E006	08/19/2024	Specific Conductance @ 25C (field)	892	micromhos/cm
MW-3	Compliance	E006	08/19/2024	Sulfate, total	126	mg/L
MW-3	Compliance	E006	08/19/2024	Temperature	18.2	degrees C
MW-3	Compliance	E006	08/19/2024	Thallium, total	0.001 U	mg/L
MW-3	Compliance	E006	08/19/2024	Total Dissolved Solids	584	mg/L
MW-3	Compliance	E006	08/19/2024	Turbidity, field	1.40	NTU
MW-5	Compliance	E006	08/19/2024	Antimony, total	0.0004 U	mg/L
MW-5	Compliance	E006	08/19/2024	Arsenic, total	0.00140	mg/L
MW-5	Compliance	E006	08/19/2024	Barium, total	0.175	mg/L
MW-5	Compliance	E006	08/19/2024	Beryllium, total	0.0002 U	mg/L
MW-5	Compliance	E006	08/19/2024	Boron, total	0.505	mg/L
MW-5	Compliance	E006	08/19/2024	Cadmium, total	0.0002 U	mg/L
MW-5	Compliance	E006	08/19/2024	Calcium, total	173	mg/L
MW-5	Compliance	E006	08/19/2024	Chloride, total	43.5	mg/L
MW-5	Compliance	E006	08/19/2024	Chromium, total	0.00480	mg/L
MW-5	Compliance	E006	08/19/2024	Cobalt, total	0.00160	mg/L
MW-5	Compliance	E006	08/19/2024	Dissolved Oxygen	3.36	mg/L
MW-5	Compliance	E006	08/19/2024	Fluoride, total	0.06 J	mg/L
MW-5	Compliance	E006	08/19/2024	Lead, total	0.00140	mg/L
MW-5	Compliance	E006	08/19/2024	Lithium, total	0.00510	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-5	Compliance	E006	08/19/2024	Mercury, total	0.00006 U	mg/L
MW-5	Compliance	E006	08/19/2024	Molybdenum, total	0.0007 J	mg/L
MW-5	Compliance	E006	08/19/2024	Oxidation Reduction Potential	2.00	mV
MW-5	Compliance	E006	08/19/2024	pH (field)	6.6	SU
MW-5	Compliance	E006	08/19/2024	Radium 226 + Radium 228, total	0.325	pCi/L
MW-5	Compliance	E006	08/19/2024	Selenium, total	0.0006 U	mg/L
MW-5	Compliance	E006	08/19/2024	Specific Conductance @ 25C (field)	1,230	micromhos/cm
MW-5	Compliance	E006	08/19/2024	Sulfate, total	9.8 J	mg/L
MW-5	Compliance	E006	08/19/2024	Temperature	17.5	degrees C
MW-5	Compliance	E006	08/19/2024	Thallium, total	0.001 U	mg/L
MW-5	Compliance	E006	08/19/2024	Total Dissolved Solids	774	mg/L
MW-5	Compliance	E006	08/19/2024	Turbidity, field	18.0	NTU
MW-6	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-6	Compliance	E006	08/20/2024	Arsenic, total	0.0007 J	mg/L
MW-6	Compliance	E006	08/20/2024	Barium, total	0.0572	mg/L
MW-6	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-6	Compliance	E006	08/20/2024	Boron, total	1.19	mg/L
MW-6	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-6	Compliance	E006	08/20/2024	Calcium, total	102	mg/L
MW-6	Compliance	E006	08/20/2024	Chloride, total	3.3 J	mg/L
MW-6	Compliance	E006	08/20/2024	Chromium, total	0.00490	mg/L
MW-6	Compliance	E006	08/20/2024	Cobalt, total	0.00140	mg/L
MW-6	Compliance	E006	08/20/2024	Dissolved Oxygen	4.96	mg/L
MW-6	Compliance	E006	08/20/2024	Fluoride, total	0.12 J	mg/L
MW-6	Compliance	E006	08/20/2024	Lead, total	0.00220	mg/L
MW-6	Compliance	E006	08/20/2024	Lithium, total	0.00420	mg/L
MW-6	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-6	Compliance	E006	08/20/2024	Molybdenum, total	0.0006 U	mg/L
MW-6	Compliance	E006	08/20/2024	Oxidation Reduction Potential	88.0	mV
MW-6	Compliance	E006	08/20/2024	pH (field)	6.4	SU
MW-6	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.607	pCi/L
MW-6	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-6	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	746	micromhos/cm
MW-6	Compliance	E006	08/20/2024	Sulfate, total	141	mg/L
MW-6	Compliance	E006	08/20/2024	Temperature	16.9	degrees C
MW-6	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-6	Compliance	E006	08/20/2024	Total Dissolved Solids	520	mg/L
MW-6	Compliance	E006	08/20/2024	Turbidity, field	3.70	NTU
MW-7	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-7	Compliance	E006	08/20/2024	Arsenic, total	0.00250	mg/L
MW-7	Compliance	E006	08/20/2024	Barium, total	0.0942	mg/L
MW-7	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-7	Compliance	E006	08/20/2024	Boron, total	0.555	mg/L
MW-7	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-7	Compliance	E006	08/20/2024	Calcium, total	180	mg/L
MW-7	Compliance	E006	08/20/2024	Chloride, total	6.50	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-7	Compliance	E006	08/20/2024	Chromium, total	0.0007 U	mg/L
MW-7	Compliance	E006	08/20/2024	Cobalt, total	0.00290	mg/L
MW-7	Compliance	E006	08/20/2024	Dissolved Oxygen	0.720	mg/L
MW-7	Compliance	E006	08/20/2024	Fluoride, total	0.19 J	mg/L
MW-7	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-7	Compliance	E006	08/20/2024	Lithium, total	0.0029 J	mg/L
MW-7	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-7	Compliance	E006	08/20/2024	Molybdenum, total	0.00220	mg/L
MW-7	Compliance	E006	08/20/2024	Oxidation Reduction Potential	-140	mV
MW-7	Compliance	E006	08/20/2024	pH (field)	6.8	SU
MW-7	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	2.46	pCi/L
MW-7	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-7	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	1,230	micromhos/cm
MW-7	Compliance	E006	08/20/2024	Sulfate, total	347	mg/L
MW-7	Compliance	E006	08/20/2024	Temperature	17.4	degrees C
MW-7	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-7	Compliance	E006	08/20/2024	Total Dissolved Solids	930	mg/L
MW-7	Compliance	E006	08/20/2024	Turbidity, field	7.00	NTU
MW-7S	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Arsenic, total	0.00940	mg/L
MW-7S	Compliance	E006	08/20/2024	Barium, total	0.0435	mg/L
MW-7S	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Boron, total	4.03	mg/L
MW-7S	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Calcium, total	191	mg/L
MW-7S	Compliance	E006	08/20/2024	Chloride, total	6.85	mg/L
MW-7S	Compliance	E006	08/20/2024	Chromium, total	0.0008 J	mg/L
MW-7S	Compliance	E006	08/20/2024	Cobalt, total	0.00180	mg/L
MW-7S	Compliance	E006	08/20/2024	Dissolved Oxygen	3.00	mg/L
MW-7S	Compliance	E006	08/20/2024	Fluoride, total	0.23 J	mg/L
MW-7S	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Lithium, total	0.0015 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Molybdenum, total	0.001 J	mg/L
MW-7S	Compliance	E006	08/20/2024	Oxidation Reduction Potential	-66.0	mV
MW-7S	Compliance	E006	08/20/2024	pH (field)	6.7	SU
MW-7S	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.868	pCi/L
MW-7S	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	1,600	micromhos/cm
MW-7S	Compliance	E006	08/20/2024	Sulfate, total	555	mg/L
MW-7S	Compliance	E006	08/20/2024	Temperature	19.3	degrees C
MW-7S	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-7S	Compliance	E006	08/20/2024	Total Dissolved Solids	486	mg/L
MW-7S	Compliance	E006	08/20/2024	Turbidity, field	10.0	NTU
MW-8	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-8	Compliance	E006	08/20/2024	Arsenic, total	0.0004 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8	Compliance	E006	08/20/2024	Barium, total	0.0276	mg/L
MW-8	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-8	Compliance	E006	08/20/2024	Boron, total	0.930	mg/L
MW-8	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-8	Compliance	E006	08/20/2024	Calcium, total	161	mg/L
MW-8	Compliance	E006	08/20/2024	Chloride, total	20.4	mg/L
MW-8	Compliance	E006	08/20/2024	Chromium, total	0.0007 U	mg/L
MW-8	Compliance	E006	08/20/2024	Cobalt, total	0.00120	mg/L
MW-8	Compliance	E006	08/20/2024	Dissolved Oxygen	0.510	mg/L
MW-8	Compliance	E006	08/20/2024	Fluoride, total	0.12 J	mg/L
MW-8	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-8	Compliance	E006	08/20/2024	Lithium, total	0.0021 J	mg/L
MW-8	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-8	Compliance	E006	08/20/2024	Molybdenum, total	0.0006 U	mg/L
MW-8	Compliance	E006	08/20/2024	Oxidation Reduction Potential	119	mV
MW-8	Compliance	E006	08/20/2024	pH (field)	6.4	SU
MW-8	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.44	pCi/L
MW-8	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-8	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	763	micromhos/cm
MW-8	Compliance	E006	08/20/2024	Sulfate, total	205	mg/L
MW-8	Compliance	E006	08/20/2024	Temperature	15.7	degrees C
MW-8	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-8	Compliance	E006	08/20/2024	Total Dissolved Solids	816	mg/L
MW-8	Compliance	E006	08/20/2024	Turbidity, field	1.20	NTU
MW-8S	Compliance	E006	--	Antimony, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Arsenic, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Barium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Beryllium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Boron, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Cadmium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Calcium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Chloride, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Chromium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Cobalt, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Dissolved Oxygen	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Fluoride, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Lead, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Lithium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Mercury, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Molybdenum, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Oxidation Reduction Potential	NS ⁷	mV
MW-8S	Compliance	E006	--	pH (field)	NS ⁷	SU
MW-8S	Compliance	E006	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
MW-8S	Compliance	E006	--	Selenium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
MW-8S	Compliance	E006	--	Sulfate, total	NS ⁷	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8S	Compliance	E006	--	Temperature	NS ⁷	degrees C
MW-8S	Compliance	E006	--	Thallium, total	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Total Dissolved Solids	NS ⁷	mg/L
MW-8S	Compliance	E006	--	Turbidity, field	NS ⁷	NTU
MW-11	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-11	Compliance	E006	08/20/2024	Arsenic, total	0.0007 J	mg/L
MW-11	Compliance	E006	08/20/2024	Barium, total	0.115	mg/L
MW-11	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-11	Compliance	E006	08/20/2024	Boron, total	1.48	mg/L
MW-11	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-11	Compliance	E006	08/20/2024	Calcium, total	123	mg/L
MW-11	Compliance	E006	08/20/2024	Chloride, total	32.2	mg/L
MW-11	Compliance	E006	08/20/2024	Chromium, total	0.0007 U	mg/L
MW-11	Compliance	E006	08/20/2024	Cobalt, total	0.0006 J	mg/L
MW-11	Compliance	E006	08/20/2024	Dissolved Oxygen	0.770	mg/L
MW-11	Compliance	E006	08/20/2024	Fluoride, total	0.43 J	mg/L
MW-11	Compliance	E006	08/20/2024	Lead, total	0.0319	mg/L
MW-11	Compliance	E006	08/20/2024	Lithium, total	0.00320	mg/L
MW-11	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-11	Compliance	E006	08/20/2024	Molybdenum, total	0.00210	mg/L
MW-11	Compliance	E006	08/20/2024	Oxidation Reduction Potential	36.0	mV
MW-11	Compliance	E006	08/20/2024	pH (field)	6.7	SU
MW-11	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	1.04	pCi/L
MW-11	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-11	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	1,030	micromhos/cm
MW-11	Compliance	E006	08/20/2024	Sulfate, total	121	mg/L
MW-11	Compliance	E006	08/20/2024	Temperature	17.9	degrees C
MW-11	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-11	Compliance	E006	08/20/2024	Total Dissolved Solids	632	mg/L
MW-11	Compliance	E006	08/20/2024	Turbidity, field	2.40	NTU
MW-12	Compliance	E006	08/20/2024	Antimony, total	0.0007 J	mg/L
MW-12	Compliance	E006	08/20/2024	Arsenic, total	0.0005 J	mg/L
MW-12	Compliance	E006	08/20/2024	Barium, total	0.0779	mg/L
MW-12	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-12	Compliance	E006	08/20/2024	Boron, total	3.07	mg/L
MW-12	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-12	Compliance	E006	08/20/2024	Calcium, total	209	mg/L
MW-12	Compliance	E006	08/20/2024	Chloride, total	29.5	mg/L
MW-12	Compliance	E006	08/20/2024	Chromium, total	0.0009 J	mg/L
MW-12	Compliance	E006	08/20/2024	Cobalt, total	0.0002 J	mg/L
MW-12	Compliance	E006	08/20/2024	Dissolved Oxygen	3.52	mg/L
MW-12	Compliance	E006	08/20/2024	Fluoride, total	0.11 J	mg/L
MW-12	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-12	Compliance	E006	08/20/2024	Lithium, total	0.00980	mg/L
MW-12	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-12	Compliance	E006	08/20/2024	Molybdenum, total	0.0009 J	mg/L

TABLE 1.
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KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-12	Compliance	E006	08/20/2024	Oxidation Reduction Potential	-67.0	mV
MW-12	Compliance	E006	08/20/2024	pH (field)	6.7	SU
MW-12	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.793	pCi/L
MW-12	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-12	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	1,420	micromhos/cm
MW-12	Compliance	E006	08/20/2024	Sulfate, total	360	mg/L
MW-12	Compliance	E006	08/20/2024	Temperature	18.4	degrees C
MW-12	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-12	Compliance	E006	08/20/2024	Total Dissolved Solids	1,120	mg/L
MW-12	Compliance	E006	08/20/2024	Turbidity, field	16.0	NTU
MW-20	Compliance	E006	08/21/2024	Antimony, total	0.0004 U	mg/L
MW-20	Compliance	E006	08/21/2024	Arsenic, total	0.0006 J	mg/L
MW-20	Compliance	E006	08/21/2024	Barium, total	0.0975	mg/L
MW-20	Compliance	E006	08/21/2024	Beryllium, total	0.0002 U	mg/L
MW-20	Compliance	E006	08/21/2024	Boron, total	0.739	mg/L
MW-20	Compliance	E006	08/21/2024	Cadmium, total	0.0002 U	mg/L
MW-20	Compliance	E006	08/21/2024	Calcium, total	137	mg/L
MW-20	Compliance	E006	08/21/2024	Chloride, total	20.1	mg/L
MW-20	Compliance	E006	08/21/2024	Chromium, total	0.00180	mg/L
MW-20	Compliance	E006	08/21/2024	Cobalt, total	0.0005 J	mg/L
MW-20	Compliance	E006	08/21/2024	Dissolved Oxygen	4.03	mg/L
MW-20	Compliance	E006	08/21/2024	Fluoride, total	0.28 J	mg/L
MW-20	Compliance	E006	08/21/2024	Lead, total	0.0006 U	mg/L
MW-20	Compliance	E006	08/21/2024	Lithium, total	0.00400	mg/L
MW-20	Compliance	E006	08/21/2024	Mercury, total	0.00006 U	mg/L
MW-20	Compliance	E006	08/21/2024	Molybdenum, total	0.00340	mg/L
MW-20	Compliance	E006	08/21/2024	Oxidation Reduction Potential	-41.0	mV
MW-20	Compliance	E006	08/21/2024	pH (field)	6.9	SU
MW-20	Compliance	E006	08/21/2024	Radium 226 + Radium 228, total	0.628	pCi/L
MW-20	Compliance	E006	08/21/2024	Selenium, total	0.0006 U	mg/L
MW-20	Compliance	E006	08/21/2024	Specific Conductance @ 25C (field)	980	micromhos/cm
MW-20	Compliance	E006	08/21/2024	Sulfate, total	147	mg/L
MW-20	Compliance	E006	08/21/2024	Temperature	16.9	degrees C
MW-20	Compliance	E006	08/21/2024	Thallium, total	0.001 U	mg/L
MW-20	Compliance	E006	08/21/2024	Total Dissolved Solids	672	mg/L
MW-20	Compliance	E006	08/21/2024	Turbidity, field	15.0	NTU
MW-20S	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Arsenic, total	0.0004 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Barium, total	0.0363	mg/L
MW-20S	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Boron, total	1.80	mg/L
MW-20S	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Calcium, total	205	mg/L
MW-20S	Compliance	E006	08/20/2024	Chloride, total	18.0	mg/L
MW-20S	Compliance	E006	08/20/2024	Chromium, total	0.0007 J	mg/L
MW-20S	Compliance	E006	08/20/2024	Cobalt, total	0.0002 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-20S	Compliance	E006	08/20/2024	Dissolved Oxygen	1.60	mg/L
MW-20S	Compliance	E006	08/20/2024	Fluoride, total	0.12 J	mg/L
MW-20S	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Lithium, total	0.0015 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Molybdenum, total	0.0006 J	mg/L
MW-20S	Compliance	E006	08/20/2024	Oxidation Reduction Potential	30.0	mV
MW-20S	Compliance	E006	08/20/2024	pH (field)	6.6	SU
MW-20S	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.45	pCi/L
MW-20S	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	1,430	micromhos/cm
MW-20S	Compliance	E006	08/20/2024	Sulfate, total	389	mg/L
MW-20S	Compliance	E006	08/20/2024	Temperature	19.0	degrees C
MW-20S	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-20S	Compliance	E006	08/20/2024	Total Dissolved Solids	1,070	mg/L
MW-20S	Compliance	E006	08/20/2024	Turbidity, field	8.80	NTU
MW-23	Compliance	E006	08/21/2024	Antimony, total	0.0005 J	mg/L
MW-23	Compliance	E006	08/21/2024	Arsenic, total	0.00320	mg/L
MW-23	Compliance	E006	08/21/2024	Barium, total	0.109	mg/L
MW-23	Compliance	E006	08/21/2024	Beryllium, total	0.0002 U	mg/L
MW-23	Compliance	E006	08/21/2024	Boron, total	2.08	mg/L
MW-23	Compliance	E006	08/21/2024	Cadmium, total	0.0002 U	mg/L
MW-23	Compliance	E006	08/21/2024	Calcium, total	119	mg/L
MW-23	Compliance	E006	08/21/2024	Chloride, total	25.1	mg/L
MW-23	Compliance	E006	08/21/2024	Chromium, total	0.0007 U	mg/L
MW-23	Compliance	E006	08/21/2024	Cobalt, total	0.0009 J	mg/L
MW-23	Compliance	E006	08/21/2024	Dissolved Oxygen	4.31	mg/L
MW-23	Compliance	E006	08/21/2024	Fluoride, total	0.26 J	mg/L
MW-23	Compliance	E006	08/21/2024	Lead, total	0.0006 U	mg/L
MW-23	Compliance	E006	08/21/2024	Lithium, total	0.0015 U	mg/L
MW-23	Compliance	E006	08/21/2024	Mercury, total	0.00006 U	mg/L
MW-23	Compliance	E006	08/21/2024	Molybdenum, total	0.001 J	mg/L
MW-23	Compliance	E006	08/21/2024	Oxidation Reduction Potential	-150	mV
MW-23	Compliance	E006	08/21/2024	pH (field)	6.8	SU
MW-23	Compliance	E006	08/21/2024	Radium 226 + Radium 228, total	0.619	pCi/L
MW-23	Compliance	E006	08/21/2024	Selenium, total	0.0006 U	mg/L
MW-23	Compliance	E006	08/21/2024	Specific Conductance @ 25C (field)	954	micromhos/cm
MW-23	Compliance	E006	08/21/2024	Sulfate, total	44.5	mg/L
MW-23	Compliance	E006	08/21/2024	Temperature	16.2	degrees C
MW-23	Compliance	E006	08/21/2024	Thallium, total	0.001 U	mg/L
MW-23	Compliance	E006	08/21/2024	Total Dissolved Solids	600	mg/L
MW-23	Compliance	E006	08/21/2024	Turbidity, field	1 U	NTU
MW-27	Compliance	E006	08/21/2024	Antimony, total	0.0004 U	mg/L
MW-27	Compliance	E006	08/21/2024	Arsenic, total	0.00400	mg/L
MW-27	Compliance	E006	08/21/2024	Barium, total	0.122	mg/L
MW-27	Compliance	E006	08/21/2024	Beryllium, total	0.0002 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-27	Compliance	E006	08/21/2024	Boron, total	0.677	mg/L
MW-27	Compliance	E006	08/21/2024	Cadmium, total	0.0002 U	mg/L
MW-27	Compliance	E006	08/21/2024	Calcium, total	196	mg/L
MW-27	Compliance	E006	08/21/2024	Chloride, total	10.4	mg/L
MW-27	Compliance	E006	08/21/2024	Chromium, total	0.00330	mg/L
MW-27	Compliance	E006	08/21/2024	Cobalt, total	0.00360	mg/L
MW-27	Compliance	E006	08/21/2024	Dissolved Oxygen	4.69	mg/L
MW-27	Compliance	E006	08/21/2024	Fluoride, total	0.15 J	mg/L
MW-27	Compliance	E006	08/21/2024	Lead, total	0.00120	mg/L
MW-27	Compliance	E006	08/21/2024	Lithium, total	0.00350	mg/L
MW-27	Compliance	E006	08/21/2024	Mercury, total	0.00006 U	mg/L
MW-27	Compliance	E006	08/21/2024	Molybdenum, total	0.00270	mg/L
MW-27	Compliance	E006	08/21/2024	Oxidation Reduction Potential	-6.00	mV
MW-27	Compliance	E006	08/21/2024	pH (field)	6.5	SU
MW-27	Compliance	E006	08/21/2024	Radium 226 + Radium 228, total	0.919	pCi/L
MW-27	Compliance	E006	08/21/2024	Selenium, total	0.0006 U	mg/L
MW-27	Compliance	E006	08/21/2024	Specific Conductance @ 25C (field)	993	micromhos/cm
MW-27	Compliance	E006	08/21/2024	Sulfate, total	403	mg/L
MW-27	Compliance	E006	08/21/2024	Temperature	18.4	degrees C
MW-27	Compliance	E006	08/21/2024	Thallium, total	0.001 U	mg/L
MW-27	Compliance	E006	08/21/2024	Total Dissolved Solids	1,020	mg/L
MW-27	Compliance	E006	08/21/2024	Turbidity, field	43.0	NTU
MW-28	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-28	Compliance	E006	08/20/2024	Arsenic, total	0.0004 U	mg/L
MW-28	Compliance	E006	08/20/2024	Barium, total	0.0249	mg/L
MW-28	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-28	Compliance	E006	08/20/2024	Boron, total	7.99	mg/L
MW-28	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-28	Compliance	E006	08/20/2024	Calcium, total	318	mg/L
MW-28	Compliance	E006	08/20/2024	Chloride, total	9.44	mg/L
MW-28	Compliance	E006	08/20/2024	Chromium, total	0.0007 U	mg/L
MW-28	Compliance	E006	08/20/2024	Cobalt, total	0.0005 J	mg/L
MW-28	Compliance	E006	08/20/2024	Dissolved Oxygen	3.84	mg/L
MW-28	Compliance	E006	08/20/2024	Fluoride, total	0.03 U	mg/L
MW-28	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-28	Compliance	E006	08/20/2024	Lithium, total	0.00600	mg/L
MW-28	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-28	Compliance	E006	08/20/2024	Molybdenum, total	0.0006 U	mg/L
MW-28	Compliance	E006	08/20/2024	Oxidation Reduction Potential	77.0	mV
MW-28	Compliance	E006	08/20/2024	pH (field)	6.7	SU
MW-28	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.692	pCi/L
MW-28	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-28	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	2,290	micromhos/cm
MW-28	Compliance	E006	08/20/2024	Sulfate, total	1,070	mg/L
MW-28	Compliance	E006	08/20/2024	Temperature	17.5	degrees C
MW-28	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-28	Compliance	E006	08/20/2024	Total Dissolved Solids	1,980	mg/L
MW-28	Compliance	E006	08/20/2024	Turbidity, field	1 U	NTU
MW-30	Compliance	E006	08/20/2024	Antimony, total	0.0004 U	mg/L
MW-30	Compliance	E006	08/20/2024	Arsenic, total	0.0133	mg/L
MW-30	Compliance	E006	08/20/2024	Barium, total	0.179	mg/L
MW-30	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-30	Compliance	E006	08/20/2024	Boron, total	1.11	mg/L
MW-30	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-30	Compliance	E006	08/20/2024	Calcium, total	126	mg/L
MW-30	Compliance	E006	08/20/2024	Chloride, total	38.5	mg/L
MW-30	Compliance	E006	08/20/2024	Chromium, total	0.0007 U	mg/L
MW-30	Compliance	E006	08/20/2024	Cobalt, total	0.00170	mg/L
MW-30	Compliance	E006	08/20/2024	Dissolved Oxygen	4.30	mg/L
MW-30	Compliance	E006	08/20/2024	Fluoride, total	0.23 J	mg/L
MW-30	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-30	Compliance	E006	08/20/2024	Lithium, total	0.0015 U	mg/L
MW-30	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-30	Compliance	E006	08/20/2024	Molybdenum, total	0.0012 J	mg/L
MW-30	Compliance	E006	08/20/2024	Oxidation Reduction Potential	-101	mV
MW-30	Compliance	E006	08/20/2024	pH (field)	6.6	SU
MW-30	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.797	pCi/L
MW-30	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-30	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	1,030	micromhos/cm
MW-30	Compliance	E006	08/20/2024	Sulfate, total	2 J	mg/L
MW-30	Compliance	E006	08/20/2024	Temperature	16.3	degrees C
MW-30	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-30	Compliance	E006	08/20/2024	Total Dissolved Solids	244	mg/L
MW-30	Compliance	E006	08/20/2024	Turbidity, field	1 U	NTU
MW-31	Compliance	E006	08/21/2024	Antimony, total	0.0004 U	mg/L
MW-31	Compliance	E006	08/21/2024	Arsenic, total	0.00220	mg/L
MW-31	Compliance	E006	08/21/2024	Barium, total	0.219	mg/L
MW-31	Compliance	E006	08/21/2024	Beryllium, total	0.0002 U	mg/L
MW-31	Compliance	E006	08/21/2024	Boron, total	0.202	mg/L
MW-31	Compliance	E006	08/21/2024	Cadmium, total	0.0002 U	mg/L
MW-31	Compliance	E006	08/21/2024	Calcium, total	141	mg/L
MW-31	Compliance	E006	08/21/2024	Chloride, total	43.4	mg/L
MW-31	Compliance	E006	08/21/2024	Chromium, total	0.0007 U	mg/L
MW-31	Compliance	E006	08/21/2024	Cobalt, total	0.0007 J	mg/L
MW-31	Compliance	E006	08/21/2024	Dissolved Oxygen	3.56	mg/L
MW-31	Compliance	E006	08/21/2024	Fluoride, total	0.06 J	mg/L
MW-31	Compliance	E006	08/21/2024	Lead, total	0.0006 U	mg/L
MW-31	Compliance	E006	08/21/2024	Lithium, total	0.00430	mg/L
MW-31	Compliance	E006	08/21/2024	Mercury, total	0.00006 U	mg/L
MW-31	Compliance	E006	08/21/2024	Molybdenum, total	0.0006 U	mg/L
MW-31	Compliance	E006	08/21/2024	Oxidation Reduction Potential	-90.0	mV
MW-31	Compliance	E006	08/21/2024	pH (field)	6.7	SU

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-31	Compliance	E006	08/21/2024	Radium 226 + Radium 228, total	0.679	pCi/L
MW-31	Compliance	E006	08/21/2024	Selenium, total	0.0006 U	mg/L
MW-31	Compliance	E006	08/21/2024	Specific Conductance @ 25C (field)	1,040	micromhos/cm
MW-31	Compliance	E006	08/21/2024	Sulfate, total	0.74 J	mg/L
MW-31	Compliance	E006	08/21/2024	Temperature	16.7	degrees C
MW-31	Compliance	E006	08/21/2024	Thallium, total	0.001 U	mg/L
MW-31	Compliance	E006	08/21/2024	Total Dissolved Solids	500	mg/L
MW-31	Compliance	E006	08/21/2024	Turbidity, field	1 U	NTU
MW-31S	Compliance	E006	08/21/2024	Antimony, total	0.0004 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Arsenic, total	0.0166	mg/L
MW-31S	Compliance	E006	08/21/2024	Barium, total	0.262	mg/L
MW-31S	Compliance	E006	08/21/2024	Beryllium, total	0.0002 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Boron, total	0.105	mg/L
MW-31S	Compliance	E006	08/21/2024	Cadmium, total	0.0002 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Calcium, total	151	mg/L
MW-31S	Compliance	E006	08/21/2024	Chloride, total	18.4	mg/L
MW-31S	Compliance	E006	08/21/2024	Chromium, total	0.0007 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Cobalt, total	0.00120	mg/L
MW-31S	Compliance	E006	08/21/2024	Dissolved Oxygen	5.58	mg/L
MW-31S	Compliance	E006	08/21/2024	Fluoride, total	0.08 J	mg/L
MW-31S	Compliance	E006	08/21/2024	Lead, total	0.0006 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Lithium, total	0.002 J	mg/L
MW-31S	Compliance	E006	08/21/2024	Mercury, total	0.00006 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Molybdenum, total	0.0006 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Oxidation Reduction Potential	-68.0	mV
MW-31S	Compliance	E006	08/21/2024	pH (field)	6.7	SU
MW-31S	Compliance	E006	08/21/2024	Radium 226 + Radium 228, total	1.1	pCi/L
MW-31S	Compliance	E006	08/21/2024	Selenium, total	0.0006 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Specific Conductance @ 25C (field)	1,310	micromhos/cm
MW-31S	Compliance	E006	08/21/2024	Sulfate, total	2.1 J	mg/L
MW-31S	Compliance	E006	08/21/2024	Temperature	21.2	degrees C
MW-31S	Compliance	E006	08/21/2024	Thallium, total	0.001 U	mg/L
MW-31S	Compliance	E006	08/21/2024	Total Dissolved Solids	650	mg/L
MW-31S	Compliance	E006	08/21/2024	Turbidity, field	19.0	NTU
MW-32	Compliance	E006	08/20/2024	Antimony, total	0.00150	mg/L
MW-32	Compliance	E006	08/20/2024	Arsenic, total	0.0004 U	mg/L
MW-32	Compliance	E006	08/20/2024	Barium, total	0.0497	mg/L
MW-32	Compliance	E006	08/20/2024	Beryllium, total	0.0002 U	mg/L
MW-32	Compliance	E006	08/20/2024	Boron, total	1.59	mg/L
MW-32	Compliance	E006	08/20/2024	Cadmium, total	0.0002 U	mg/L
MW-32	Compliance	E006	08/20/2024	Calcium, total	165	mg/L
MW-32	Compliance	E006	08/20/2024	Chloride, total	10.1	mg/L
MW-32	Compliance	E006	08/20/2024	Chromium, total	0.0007 U	mg/L
MW-32	Compliance	E006	08/20/2024	Cobalt, total	0.0005 J	mg/L
MW-32	Compliance	E006	08/20/2024	Dissolved Oxygen	1.10	mg/L
MW-32	Compliance	E006	08/20/2024	Fluoride, total	0.07 J	mg/L

TABLE 1.
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ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-32	Compliance	E006	08/20/2024	Lead, total	0.0006 U	mg/L
MW-32	Compliance	E006	08/20/2024	Lithium, total	0.0018 J	mg/L
MW-32	Compliance	E006	08/20/2024	Mercury, total	0.00006 U	mg/L
MW-32	Compliance	E006	08/20/2024	Molybdenum, total	0.0006 U	mg/L
MW-32	Compliance	E006	08/20/2024	Oxidation Reduction Potential	16.0	mV
MW-32	Compliance	E006	08/20/2024	pH (field)	6.4	SU
MW-32	Compliance	E006	08/20/2024	Radium 226 + Radium 228, total	0.343	pCi/L
MW-32	Compliance	E006	08/20/2024	Selenium, total	0.0006 U	mg/L
MW-32	Compliance	E006	08/20/2024	Specific Conductance @ 25C (field)	1,410	micromhos/cm
MW-32	Compliance	E006	08/20/2024	Sulfate, total	335	mg/L
MW-32	Compliance	E006	08/20/2024	Temperature	16.2	degrees C
MW-32	Compliance	E006	08/20/2024	Thallium, total	0.001 U	mg/L
MW-32	Compliance	E006	08/20/2024	Total Dissolved Solids	1,010	mg/L
MW-32	Compliance	E006	08/20/2024	Turbidity, field	2.30	NTU
PZ-4C	Compliance	E006	08/21/2024	Antimony, total	0.0004 U	mg/L
PZ-4C	Compliance	E006	08/21/2024	Arsenic, total	0.00220	mg/L
PZ-4C	Compliance	E006	08/21/2024	Barium, total	0.295	mg/L
PZ-4C	Compliance	E006	08/21/2024	Beryllium, total	0.0002 U	mg/L
PZ-4C	Compliance	E006	08/21/2024	Boron, total	1.37	mg/L
PZ-4C	Compliance	E006	08/21/2024	Cadmium, total	0.0002 U	mg/L
PZ-4C	Compliance	E006	08/21/2024	Calcium, total	131	mg/L
PZ-4C	Compliance	E006	08/21/2024	Chloride, total	34.2	mg/L
PZ-4C	Compliance	E006	08/21/2024	Chromium, total	0.00760	mg/L
PZ-4C	Compliance	E006	08/21/2024	Cobalt, total	0.00260	mg/L
PZ-4C	Compliance	E006	08/21/2024	Dissolved Oxygen	1.94	mg/L
PZ-4C	Compliance	E006	08/21/2024	Fluoride, total	0.3 J	mg/L
PZ-4C	Compliance	E006	08/21/2024	Lead, total	0.00400	mg/L
PZ-4C	Compliance	E006	08/21/2024	Lithium, total	0.0119	mg/L
PZ-4C	Compliance	E006	08/21/2024	Mercury, total	0.00006 U	mg/L
PZ-4C	Compliance	E006	08/21/2024	Molybdenum, total	0.0006 J	mg/L
PZ-4C	Compliance	E006	08/21/2024	Oxidation Reduction Potential	-68.0	mV
PZ-4C	Compliance	E006	08/21/2024	pH (field)	6.8	SU
PZ-4C	Compliance	E006	08/21/2024	Radium 226 + Radium 228, total	1.05	pCi/L
PZ-4C	Compliance	E006	08/21/2024	Selenium, total	0.0006 U	mg/L
PZ-4C	Compliance	E006	08/21/2024	Specific Conductance @ 25C (field)	950	micromhos/cm
PZ-4C	Compliance	E006	08/21/2024	Sulfate, total	65.3	mg/L
PZ-4C	Compliance	E006	08/21/2024	Temperature	17.6	degrees C
PZ-4C	Compliance	E006	08/21/2024	Thallium, total	0.001 U	mg/L
PZ-4C	Compliance	E006	08/21/2024	Total Dissolved Solids	570	mg/L
PZ-4C	Compliance	E006	08/21/2024	Turbidity, field	96.0	NTU

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

Notes:

- C = Celsius
cm = centimeter
mg/L = milligrams per liter
Missing Code (if applicable):
NR¹ = Select parameters were not analyzed.
NS¹ = This well has been, or will be, abandoned; therefore, a sample was not collected.
NS² = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
NS³ = A sample was not collected because the location was inaccessible.
NS⁴ = The location could not be found, therefore a sample was not collected.
NS⁵ = A sample was not collected because of damage to the well.
NS⁶ = A sample was not collected because of pump issues.
NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.
NS⁸ = A sample was not collected.
PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
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, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-1	Background	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-1	Background	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-1	Background	E007	11/18/2024	Barium, total	0.0553	mg/L
MW-1	Background	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-1	Background	E007	11/18/2024	Boron, total	0.300	mg/L
MW-1	Background	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-1	Background	E007	11/18/2024	Calcium, total	56.6	mg/L
MW-1	Background	E007	11/18/2024	Chloride, total	13.6	mg/L
MW-1	Background	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-1	Background	E007	11/18/2024	Cobalt, total	0.0001 J	mg/L
MW-1	Background	E007	11/18/2024	Dissolved Oxygen	2.16	mg/L
MW-1	Background	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-1	Background	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-1	Background	E007	11/18/2024	Lithium, total	0.0019 J	mg/L
MW-1	Background	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-1	Background	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-1	Background	E007	11/18/2024	Oxidation Reduction Potential	93.0	mV
MW-1	Background	E007	11/18/2024	pH (field)	6.4	SU
MW-1	Background	E007	11/18/2024	Radium 226 + Radium 228, total	0.0144	pCi/L
MW-1	Background	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-1	Background	E007	11/18/2024	Specific Conductance @ 25C (field)	451	micromhos/cm
MW-1	Background	E007	11/18/2024	Sulfate, total	87.0	mg/L
MW-1	Background	E007	11/18/2024	Temperature	17.2	degrees C
MW-1	Background	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-1	Background	E007	11/18/2024	Total Dissolved Solids	374	mg/L
MW-1	Background	E007	11/18/2024	Turbidity, field	300	NTU
MW-2	Background	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-2	Background	E007	11/18/2024	Arsenic, total	0.00150	mg/L
MW-2	Background	E007	11/18/2024	Barium, total	0.117	mg/L
MW-2	Background	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-2	Background	E007	11/18/2024	Boron, total	0.0715	mg/L
MW-2	Background	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-2	Background	E007	11/18/2024	Calcium, total	97.1	mg/L
MW-2	Background	E007	11/18/2024	Chloride, total	14.2	mg/L
MW-2	Background	E007	11/18/2024	Chromium, total	0.0014 J	mg/L
MW-2	Background	E007	11/18/2024	Cobalt, total	0.0006 J	mg/L
MW-2	Background	E007	11/18/2024	Dissolved Oxygen	2.36	mg/L
MW-2	Background	E007	11/18/2024	Fluoride, total	0.38 J	mg/L
MW-2	Background	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-2	Background	E007	11/18/2024	Lithium, total	0.00480	mg/L
MW-2	Background	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-2	Background	E007	11/18/2024	Molybdenum, total	0.00430	mg/L
MW-2	Background	E007	11/18/2024	Oxidation Reduction Potential	-72.0	mV
MW-2	Background	E007	11/18/2024	pH (field)	7.0	SU
MW-2	Background	E007	11/18/2024	Radium 226 + Radium 228, total	0.757	pCi/L
MW-2	Background	E007	11/18/2024	Selenium, total	0.0006 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-2	Background	E007	11/18/2024	Specific Conductance @ 25C (field)	647	micromhos/cm
MW-2	Background	E007	11/18/2024	Sulfate, total	136	mg/L
MW-2	Background	E007	11/18/2024	Temperature	15.3	degrees C
MW-2	Background	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-2	Background	E007	11/18/2024	Total Dissolved Solids	560	mg/L
MW-2	Background	E007	11/18/2024	Turbidity, field	66.0	NTU
MW-3	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-3	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-3	Compliance	E007	11/18/2024	Barium, total	0.0426	mg/L
MW-3	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-3	Compliance	E007	11/18/2024	Boron, total	1.63	mg/L
MW-3	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-3	Compliance	E007	11/18/2024	Calcium, total	91.9	mg/L
MW-3	Compliance	E007	11/18/2024	Chloride, total	28.3	mg/L
MW-3	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-3	Compliance	E007	11/18/2024	Cobalt, total	0.0005 J	mg/L
MW-3	Compliance	E007	11/18/2024	Dissolved Oxygen	1.70	mg/L
MW-3	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-3	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Lithium, total	0.0022 J	mg/L
MW-3	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Oxidation Reduction Potential	16.0	mV
MW-3	Compliance	E007	11/18/2024	pH (field)	6.7	SU
MW-3	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.0257	pCi/L
MW-3	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-3	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	786	micromhos/cm
MW-3	Compliance	E007	11/18/2024	Sulfate, total	126	mg/L
MW-3	Compliance	E007	11/18/2024	Temperature	15.7	degrees C
MW-3	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-3	Compliance	E007	11/18/2024	Total Dissolved Solids	606	mg/L
MW-3	Compliance	E007	11/18/2024	Turbidity, field	1.30	NTU
MW-5	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-5	Compliance	E007	11/19/2024	Arsenic, total	0.00190	mg/L
MW-5	Compliance	E007	11/19/2024	Barium, total	0.245	mg/L
MW-5	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-5	Compliance	E007	11/19/2024	Boron, total	0.699	mg/L
MW-5	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-5	Compliance	E007	11/19/2024	Calcium, total	161	mg/L
MW-5	Compliance	E007	11/19/2024	Chloride, total	42.6	mg/L
MW-5	Compliance	E007	11/19/2024	Chromium, total	0.0007 J	mg/L
MW-5	Compliance	E007	11/19/2024	Cobalt, total	0.00140	mg/L
MW-5	Compliance	E007	11/19/2024	Dissolved Oxygen	1.93	mg/L
MW-5	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-5	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-5	Compliance	E007	11/19/2024	Lithium, total	0.00370	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-5	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-5	Compliance	E007	11/19/2024	Molybdenum, total	0.0011 J	mg/L
MW-5	Compliance	E007	11/19/2024	Oxidation Reduction Potential	24.0	mV
MW-5	Compliance	E007	11/19/2024	pH (field)	6.5	SU
MW-5	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.177	pCi/L
MW-5	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-5	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,140	micromhos/cm
MW-5	Compliance	E007	11/19/2024	Sulfate, total	10.0	mg/L
MW-5	Compliance	E007	11/19/2024	Temperature	16.4	degrees C
MW-5	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-5	Compliance	E007	11/19/2024	Total Dissolved Solids	740	mg/L
MW-5	Compliance	E007	11/19/2024	Turbidity, field	3.70	NTU
MW-6	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-6	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-6	Compliance	E007	11/18/2024	Barium, total	0.0414	mg/L
MW-6	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-6	Compliance	E007	11/18/2024	Boron, total	1.32	mg/L
MW-6	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-6	Compliance	E007	11/18/2024	Calcium, total	91.8	mg/L
MW-6	Compliance	E007	11/18/2024	Chloride, total	3.2 J	mg/L
MW-6	Compliance	E007	11/18/2024	Chromium, total	0.0011 J	mg/L
MW-6	Compliance	E007	11/18/2024	Cobalt, total	0.0001 J	mg/L
MW-6	Compliance	E007	11/18/2024	Dissolved Oxygen	4.44	mg/L
MW-6	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-6	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Lithium, total	0.0015 U	mg/L
MW-6	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Oxidation Reduction Potential	102	mV
MW-6	Compliance	E007	11/18/2024	pH (field)	6.3	SU
MW-6	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.107	pCi/L
MW-6	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-6	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	733	micromhos/cm
MW-6	Compliance	E007	11/18/2024	Sulfate, total	149	mg/L
MW-6	Compliance	E007	11/18/2024	Temperature	16.2	degrees C
MW-6	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-6	Compliance	E007	11/18/2024	Total Dissolved Solids	552	mg/L
MW-6	Compliance	E007	11/18/2024	Turbidity, field	6.60	NTU
MW-7	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-7	Compliance	E007	11/18/2024	Arsenic, total	0.00310	mg/L
MW-7	Compliance	E007	11/18/2024	Barium, total	0.0667	mg/L
MW-7	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-7	Compliance	E007	11/18/2024	Boron, total	0.651	mg/L
MW-7	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-7	Compliance	E007	11/18/2024	Calcium, total	174	mg/L
MW-7	Compliance	E007	11/18/2024	Chloride, total	3.5 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-7	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-7	Compliance	E007	11/18/2024	Cobalt, total	0.00220	mg/L
MW-7	Compliance	E007	11/18/2024	Dissolved Oxygen	0.680	mg/L
MW-7	Compliance	E007	11/18/2024	Fluoride, total	0.25 J	mg/L
MW-7	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-7	Compliance	E007	11/18/2024	Lithium, total	0.00410	mg/L
MW-7	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-7	Compliance	E007	11/18/2024	Molybdenum, total	0.00170	mg/L
MW-7	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-72.0	mV
MW-7	Compliance	E007	11/18/2024	pH (field)	6.6	SU
MW-7	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.465	pCi/L
MW-7	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-7	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,310	micromhos/cm
MW-7	Compliance	E007	11/18/2024	Sulfate, total	417	mg/L
MW-7	Compliance	E007	11/18/2024	Temperature	15.7	degrees C
MW-7	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-7	Compliance	E007	11/18/2024	Total Dissolved Solids	1,110	mg/L
MW-7	Compliance	E007	11/18/2024	Turbidity, field	9.20	NTU
MW-7S	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Arsenic, total	0.00960	mg/L
MW-7S	Compliance	E007	11/18/2024	Barium, total	0.0393	mg/L
MW-7S	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Boron, total	4.66	mg/L
MW-7S	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Calcium, total	175	mg/L
MW-7S	Compliance	E007	11/18/2024	Chloride, total	6.75	mg/L
MW-7S	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Cobalt, total	0.00120	mg/L
MW-7S	Compliance	E007	11/18/2024	Dissolved Oxygen	2.36	mg/L
MW-7S	Compliance	E007	11/18/2024	Fluoride, total	0.25 J	mg/L
MW-7S	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Lithium, total	0.0015 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Molybdenum, total	0.00150 J	mg/L
MW-7S	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-59.0	mV
MW-7S	Compliance	E007	11/18/2024	pH (field)	6.5	SU
MW-7S	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.168	pCi/L
MW-7S	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,500	micromhos/cm
MW-7S	Compliance	E007	11/18/2024	Sulfate, total	547	mg/L
MW-7S	Compliance	E007	11/18/2024	Temperature	16.9	degrees C
MW-7S	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-7S	Compliance	E007	11/18/2024	Total Dissolved Solids	1,290	mg/L
MW-7S	Compliance	E007	11/18/2024	Turbidity, field	9.10	NTU
MW-8	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-8	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8	Compliance	E007	11/18/2024	Barium, total	0.0287	mg/L
MW-8	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-8	Compliance	E007	11/18/2024	Boron, total	1.04	mg/L
MW-8	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-8	Compliance	E007	11/18/2024	Calcium, total	144	mg/L
MW-8	Compliance	E007	11/18/2024	Chloride, total	19.6	mg/L
MW-8	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-8	Compliance	E007	11/18/2024	Cobalt, total	0.00140	mg/L
MW-8	Compliance	E007	11/18/2024	Dissolved Oxygen	1.01	mg/L
MW-8	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-8	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Lithium, total	0.002 J	mg/L
MW-8	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Oxidation Reduction Potential	20.0	mV
MW-8	Compliance	E007	11/18/2024	pH (field)	6.4	SU
MW-8	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.116	pCi/L
MW-8	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-8	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,110	micromhos/cm
MW-8	Compliance	E007	11/18/2024	Sulfate, total	201	mg/L
MW-8	Compliance	E007	11/18/2024	Temperature	15.8	degrees C
MW-8	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-8	Compliance	E007	11/18/2024	Total Dissolved Solids	1,040	mg/L
MW-8	Compliance	E007	11/18/2024	Turbidity, field	5.10	NTU
MW-8S	Compliance	E007	--	Antimony, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Arsenic, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Barium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Beryllium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Boron, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Cadmium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Calcium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Chloride, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Chromium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Cobalt, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Dissolved Oxygen	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Fluoride, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Lead, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Lithium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Mercury, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Molybdenum, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Oxidation Reduction Potential	NS ⁷	mV
MW-8S	Compliance	E007	--	pH (field)	NS ⁷	SU
MW-8S	Compliance	E007	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
MW-8S	Compliance	E007	--	Selenium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
MW-8S	Compliance	E007	--	Sulfate, total	NS ⁷	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8S	Compliance	E007	--	Temperature	NS ⁷	degrees C
MW-8S	Compliance	E007	--	Thallium, total	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Total Dissolved Solids	NS ⁷	mg/L
MW-8S	Compliance	E007	--	Turbidity, field	NS ⁷	NTU
MW-11	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-11	Compliance	E007	11/18/2024	Arsenic, total	0.0006 J	mg/L
MW-11	Compliance	E007	11/18/2024	Barium, total	0.116	mg/L
MW-11	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-11	Compliance	E007	11/18/2024	Boron, total	1.35	mg/L
MW-11	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-11	Compliance	E007	11/18/2024	Calcium, total	98.4	mg/L
MW-11	Compliance	E007	11/18/2024	Chloride, total	25.2	mg/L
MW-11	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-11	Compliance	E007	11/18/2024	Cobalt, total	0.0003 J	mg/L
MW-11	Compliance	E007	11/18/2024	Dissolved Oxygen	2.32	mg/L
MW-11	Compliance	E007	11/18/2024	Fluoride, total	0.41 J	mg/L
MW-11	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-11	Compliance	E007	11/18/2024	Lithium, total	0.0023 J	mg/L
MW-11	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-11	Compliance	E007	11/18/2024	Molybdenum, total	0.00200	mg/L
MW-11	Compliance	E007	11/18/2024	Oxidation Reduction Potential	55.0	mV
MW-11	Compliance	E007	11/18/2024	pH (field)	6.7	SU
MW-11	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.506	pCi/L
MW-11	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-11	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	804	micromhos/cm
MW-11	Compliance	E007	11/18/2024	Sulfate, total	89.3	mg/L
MW-11	Compliance	E007	11/18/2024	Temperature	17.6	degrees C
MW-11	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-11	Compliance	E007	11/18/2024	Total Dissolved Solids	554	mg/L
MW-11	Compliance	E007	11/18/2024	Turbidity, field	3.70	NTU
MW-12	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-12	Compliance	E007	11/19/2024	Arsenic, total	0.00140	mg/L
MW-12	Compliance	E007	11/19/2024	Barium, total	0.103	mg/L
MW-12	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-12	Compliance	E007	11/19/2024	Boron, total	3.88	mg/L
MW-12	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-12	Compliance	E007	11/19/2024	Calcium, total	196	mg/L
MW-12	Compliance	E007	11/19/2024	Chloride, total	29.5	mg/L
MW-12	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-12	Compliance	E007	11/19/2024	Cobalt, total	0.0001 J	mg/L
MW-12	Compliance	E007	11/19/2024	Dissolved Oxygen	1.55	mg/L
MW-12	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-12	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-12	Compliance	E007	11/19/2024	Lithium, total	0.0138	mg/L
MW-12	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-12	Compliance	E007	11/19/2024	Molybdenum, total	0.0013 J	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-12	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-60.0	mV
MW-12	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-12	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.184	pCi/L
MW-12	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-12	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,280	micromhos/cm
MW-12	Compliance	E007	11/19/2024	Sulfate, total	348	mg/L
MW-12	Compliance	E007	11/19/2024	Temperature	16.8	degrees C
MW-12	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-12	Compliance	E007	11/19/2024	Total Dissolved Solids	952	mg/L
MW-12	Compliance	E007	11/19/2024	Turbidity, field	41.0	NTU
MW-20	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-20	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-20	Compliance	E007	11/18/2024	Barium, total	0.0888	mg/L
MW-20	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-20	Compliance	E007	11/18/2024	Boron, total	0.794	mg/L
MW-20	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-20	Compliance	E007	11/18/2024	Calcium, total	122	mg/L
MW-20	Compliance	E007	11/18/2024	Chloride, total	19.8	mg/L
MW-20	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-20	Compliance	E007	11/18/2024	Cobalt, total	0.0002 J	mg/L
MW-20	Compliance	E007	11/18/2024	Dissolved Oxygen	1.68	mg/L
MW-20	Compliance	E007	11/18/2024	Fluoride, total	0.27 J	mg/L
MW-20	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-20	Compliance	E007	11/18/2024	Lithium, total	0.00470	mg/L
MW-20	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-20	Compliance	E007	11/18/2024	Molybdenum, total	0.00290	mg/L
MW-20	Compliance	E007	11/18/2024	Oxidation Reduction Potential	22.0	mV
MW-20	Compliance	E007	11/18/2024	pH (field)	6.8	SU
MW-20	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.64	pCi/L
MW-20	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-20	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
MW-20	Compliance	E007	11/18/2024	Sulfate, total	158	mg/L
MW-20	Compliance	E007	11/18/2024	Temperature	16.2	degrees C
MW-20	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-20	Compliance	E007	11/18/2024	Total Dissolved Solids	742	mg/L
MW-20	Compliance	E007	11/18/2024	Turbidity, field	160	NTU
MW-20S	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Arsenic, total	0.00110	mg/L
MW-20S	Compliance	E007	11/19/2024	Barium, total	0.0370	mg/L
MW-20S	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Boron, total	1.84	mg/L
MW-20S	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Calcium, total	169	mg/L
MW-20S	Compliance	E007	11/19/2024	Chloride, total	19.7	mg/L
MW-20S	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Cobalt, total	0.0002 J	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-20S	Compliance	E007	11/19/2024	Dissolved Oxygen	2.41	mg/L
MW-20S	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Lithium, total	0.0015 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Molybdenum, total	0.0006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Oxidation Reduction Potential	43.0	mV
MW-20S	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-20S	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.6	pCi/L
MW-20S	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,060	micromhos/cm
MW-20S	Compliance	E007	11/19/2024	Sulfate, total	280	mg/L
MW-20S	Compliance	E007	11/19/2024	Temperature	17.1	degrees C
MW-20S	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-20S	Compliance	E007	11/19/2024	Total Dissolved Solids	956	mg/L
MW-20S	Compliance	E007	11/19/2024	Turbidity, field	3.90	NTU
MW-23	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-23	Compliance	E007	11/18/2024	Arsenic, total	0.00270	mg/L
MW-23	Compliance	E007	11/18/2024	Barium, total	0.104	mg/L
MW-23	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-23	Compliance	E007	11/18/2024	Boron, total	2.22	mg/L
MW-23	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-23	Compliance	E007	11/18/2024	Calcium, total	106	mg/L
MW-23	Compliance	E007	11/18/2024	Chloride, total	23.8	mg/L
MW-23	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-23	Compliance	E007	11/18/2024	Cobalt, total	0.00110	mg/L
MW-23	Compliance	E007	11/18/2024	Dissolved Oxygen	1.84	mg/L
MW-23	Compliance	E007	11/18/2024	Fluoride, total	0.28 J	mg/L
MW-23	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-23	Compliance	E007	11/18/2024	Lithium, total	0.0015 U	mg/L
MW-23	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-23	Compliance	E007	11/18/2024	Molybdenum, total	0.0007 J	mg/L
MW-23	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-130	mV
MW-23	Compliance	E007	11/18/2024	pH (field)	6.7	SU
MW-23	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.132	pCi/L
MW-23	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-23	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	851	micromhos/cm
MW-23	Compliance	E007	11/18/2024	Sulfate, total	37.1	mg/L
MW-23	Compliance	E007	11/18/2024	Temperature	15.8	degrees C
MW-23	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-23	Compliance	E007	11/18/2024	Total Dissolved Solids	630	mg/L
MW-23	Compliance	E007	11/18/2024	Turbidity, field	2.20	NTU
MW-27	Compliance	E007	--	Antimony, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Arsenic, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Barium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Beryllium, total	NS ⁷	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-27	Compliance	E007	--	Boron, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Cadmium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Calcium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Chloride, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Chromium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Cobalt, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Dissolved Oxygen	NS ⁷	mg/L
MW-27	Compliance	E007	--	Fluoride, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Lead, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Lithium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Mercury, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Molybdenum, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Oxidation Reduction Potential	NS ⁷	mV
MW-27	Compliance	E007	--	pH (field)	NS ⁷	SU
MW-27	Compliance	E007	--	Radium 226 + Radium 228, total	NS ⁷	pCi/L
MW-27	Compliance	E007	--	Selenium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Specific Conductance @ 25C (field)	NS ⁷	micromhos/cm
MW-27	Compliance	E007	--	Sulfate, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Temperature	NS ⁷	degrees C
MW-27	Compliance	E007	--	Thallium, total	NS ⁷	mg/L
MW-27	Compliance	E007	--	Total Dissolved Solids	NS ⁷	mg/L
MW-27	Compliance	E007	--	Turbidity, field	NS ⁷	NTU
MW-28	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-28	Compliance	E007	11/19/2024	Arsenic, total	0.0005 J	mg/L
MW-28	Compliance	E007	11/19/2024	Barium, total	0.0314	mg/L
MW-28	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-28	Compliance	E007	11/19/2024	Boron, total	8.14	mg/L
MW-28	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-28	Compliance	E007	11/19/2024	Calcium, total	239	mg/L
MW-28	Compliance	E007	11/19/2024	Chloride, total	7.54	mg/L
MW-28	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-28	Compliance	E007	11/19/2024	Cobalt, total	0.0007 J	mg/L
MW-28	Compliance	E007	11/19/2024	Dissolved Oxygen	1.75	mg/L
MW-28	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-28	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Lithium, total	0.00580	mg/L
MW-28	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Molybdenum, total	0.0006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Oxidation Reduction Potential	76.0	mV
MW-28	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-28	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.431	pCi/L
MW-28	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-28	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,590	micromhos/cm
MW-28	Compliance	E007	11/19/2024	Sulfate, total	815	mg/L
MW-28	Compliance	E007	11/19/2024	Temperature	16.3	degrees C
MW-28	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-28	Compliance	E007	11/19/2024	Total Dissolved Solids	1,810 J	mg/L
MW-28	Compliance	E007	11/19/2024	Turbidity, field	5.90	NTU
MW-30	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-30	Compliance	E007	11/19/2024	Arsenic, total	0.0211	mg/L
MW-30	Compliance	E007	11/19/2024	Barium, total	0.192	mg/L
MW-30	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-30	Compliance	E007	11/19/2024	Boron, total	1.14	mg/L
MW-30	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-30	Compliance	E007	11/19/2024	Calcium, total	108	mg/L
MW-30	Compliance	E007	11/19/2024	Chloride, total	36.7	mg/L
MW-30	Compliance	E007	11/19/2024	Chromium, total	0.0007 U	mg/L
MW-30	Compliance	E007	11/19/2024	Cobalt, total	0.00240	mg/L
MW-30	Compliance	E007	11/19/2024	Dissolved Oxygen	1.71	mg/L
MW-30	Compliance	E007	11/19/2024	Fluoride, total	0.29 J	mg/L
MW-30	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-30	Compliance	E007	11/19/2024	Lithium, total	0.0015 U	mg/L
MW-30	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-30	Compliance	E007	11/19/2024	Molybdenum, total	0.00170	mg/L
MW-30	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-94.0	mV
MW-30	Compliance	E007	11/19/2024	pH (field)	6.6	SU
MW-30	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.65	pCi/L
MW-30	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-30	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
MW-30	Compliance	E007	11/19/2024	Sulfate, total	3 U	mg/L
MW-30	Compliance	E007	11/19/2024	Temperature	15.5	degrees C
MW-30	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-30	Compliance	E007	11/19/2024	Total Dissolved Solids	546 J	mg/L
MW-30	Compliance	E007	11/19/2024	Turbidity, field	3.90	NTU
MW-31	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-31	Compliance	E007	11/18/2024	Arsenic, total	0.00620	mg/L
MW-31	Compliance	E007	11/18/2024	Barium, total	0.206	mg/L
MW-31	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-31	Compliance	E007	11/18/2024	Boron, total	0.157	mg/L
MW-31	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-31	Compliance	E007	11/18/2024	Calcium, total	117	mg/L
MW-31	Compliance	E007	11/18/2024	Chloride, total	38.3	mg/L
MW-31	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-31	Compliance	E007	11/18/2024	Cobalt, total	0.00100 J	mg/L
MW-31	Compliance	E007	11/18/2024	Dissolved Oxygen	0.630	mg/L
MW-31	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L
MW-31	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Lithium, total	0.00410	mg/L
MW-31	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Oxidation Reduction Potential	-63.0	mV
MW-31	Compliance	E007	11/18/2024	pH (field)	6.6	SU

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KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-31	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.473	pCi/L
MW-31	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-31	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	979	micromhos/cm
MW-31	Compliance	E007	11/18/2024	Sulfate, total	3 U	mg/L
MW-31	Compliance	E007	11/18/2024	Temperature	14.7	degrees C
MW-31	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-31	Compliance	E007	11/18/2024	Total Dissolved Solids	575	mg/L
MW-31	Compliance	E007	11/18/2024	Turbidity, field	3.70	NTU
MW-31S	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Arsenic, total	0.0211	mg/L
MW-31S	Compliance	E007	11/19/2024	Barium, total	0.274	mg/L
MW-31S	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Boron, total	0.105	mg/L
MW-31S	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Calcium, total	149	mg/L
MW-31S	Compliance	E007	11/19/2024	Chloride, total	10.2	mg/L
MW-31S	Compliance	E007	11/19/2024	Chromium, total	0.001 J	mg/L
MW-31S	Compliance	E007	11/19/2024	Cobalt, total	0.00330	mg/L
MW-31S	Compliance	E007	11/19/2024	Dissolved Oxygen	2.03	mg/L
MW-31S	Compliance	E007	11/19/2024	Fluoride, total	0.2 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Lithium, total	0.0015 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Molybdenum, total	0.0008 J	mg/L
MW-31S	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-100	mV
MW-31S	Compliance	E007	11/19/2024	pH (field)	6.5	SU
MW-31S	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	0.542	pCi/L
MW-31S	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	1,130	micromhos/cm
MW-31S	Compliance	E007	11/19/2024	Sulfate, total	3 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Temperature	16.7	degrees C
MW-31S	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
MW-31S	Compliance	E007	11/19/2024	Total Dissolved Solids	780 J	mg/L
MW-31S	Compliance	E007	11/19/2024	Turbidity, field	40.0	NTU
MW-32	Compliance	E007	11/18/2024	Antimony, total	0.0004 U	mg/L
MW-32	Compliance	E007	11/18/2024	Arsenic, total	0.0004 U	mg/L
MW-32	Compliance	E007	11/18/2024	Barium, total	0.0443	mg/L
MW-32	Compliance	E007	11/18/2024	Beryllium, total	0.0002 U	mg/L
MW-32	Compliance	E007	11/18/2024	Boron, total	1.75	mg/L
MW-32	Compliance	E007	11/18/2024	Cadmium, total	0.0002 U	mg/L
MW-32	Compliance	E007	11/18/2024	Calcium, total	154	mg/L
MW-32	Compliance	E007	11/18/2024	Chloride, total	9.44	mg/L
MW-32	Compliance	E007	11/18/2024	Chromium, total	0.0007 U	mg/L
MW-32	Compliance	E007	11/18/2024	Cobalt, total	0.0005 J	mg/L
MW-32	Compliance	E007	11/18/2024	Dissolved Oxygen	0.710	mg/L
MW-32	Compliance	E007	11/18/2024	Fluoride, total	0.2 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-32	Compliance	E007	11/18/2024	Lead, total	0.0006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Lithium, total	0.0015 J	mg/L
MW-32	Compliance	E007	11/18/2024	Mercury, total	0.00006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Oxidation Reduction Potential	44.0	mV
MW-32	Compliance	E007	11/18/2024	pH (field)	6.4	SU
MW-32	Compliance	E007	11/18/2024	Radium 226 + Radium 228, total	0.738	pCi/L
MW-32	Compliance	E007	11/18/2024	Selenium, total	0.0006 U	mg/L
MW-32	Compliance	E007	11/18/2024	Specific Conductance @ 25C (field)	1,290	micromhos/cm
MW-32	Compliance	E007	11/18/2024	Sulfate, total	313	mg/L
MW-32	Compliance	E007	11/18/2024	Temperature	15.7	degrees C
MW-32	Compliance	E007	11/18/2024	Thallium, total	0.001 U	mg/L
MW-32	Compliance	E007	11/18/2024	Total Dissolved Solids	1,040	mg/L
MW-32	Compliance	E007	11/18/2024	Turbidity, field	3.50	NTU
PZ-4C	Compliance	E007	11/19/2024	Antimony, total	0.0004 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Arsenic, total	0.00140	mg/L
PZ-4C	Compliance	E007	11/19/2024	Barium, total	0.264	mg/L
PZ-4C	Compliance	E007	11/19/2024	Beryllium, total	0.0002 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Boron, total	1.56	mg/L
PZ-4C	Compliance	E007	11/19/2024	Cadmium, total	0.0002 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Calcium, total	116	mg/L
PZ-4C	Compliance	E007	11/19/2024	Chloride, total	32.7	mg/L
PZ-4C	Compliance	E007	11/19/2024	Chromium, total	0.0012 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Cobalt, total	0.0005 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Dissolved Oxygen	2.51	mg/L
PZ-4C	Compliance	E007	11/19/2024	Fluoride, total	0.32 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Lead, total	0.0006 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Lithium, total	0.00810	mg/L
PZ-4C	Compliance	E007	11/19/2024	Mercury, total	0.00006 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Molybdenum, total	0.0014 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Oxidation Reduction Potential	-98.0	mV
PZ-4C	Compliance	E007	11/19/2024	pH (field)	6.8	SU
PZ-4C	Compliance	E007	11/19/2024	Radium 226 + Radium 228, total	1.32	pCi/L
PZ-4C	Compliance	E007	11/19/2024	Selenium, total	0.0006 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Specific Conductance @ 25C (field)	796	micromhos/cm
PZ-4C	Compliance	E007	11/19/2024	Sulfate, total	68.5	mg/L
PZ-4C	Compliance	E007	11/19/2024	Temperature	16.0	degrees C
PZ-4C	Compliance	E007	11/19/2024	Thallium, total	0.001 U	mg/L
PZ-4C	Compliance	E007	11/19/2024	Total Dissolved Solids	591 J	mg/L
PZ-4C	Compliance	E007	11/19/2024	Turbidity, field	23.0	NTU

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

Notes:

C = Celsius
cm = centimeter
Events:
 E007 = Quarter 4, 2024 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
 NR¹ = Parameter not analyzed.
 NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
 NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
 NS³ = The location was not accessible; therefore, a sample was not collected.
 NS⁴ = The location could not be found; therefore, a sample was not collected.
 NS⁵ = The location was damaged; therefore, a sample was not collected.
 NS⁶ = Sampling pump could not yield a sample.
 NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
 NS⁸ = A sample was not collected.
 PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
 J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
SU = Standard Units

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-3	UA	E004	Antimony, total	mg/L	12/15/15 - 03/04/24	27	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-3	UA	E004	Barium, total	mg/L	12/15/15 - 03/04/24	27	0	CI around median	0.0461	2.0	Standard	No Exceedance
MW-3	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-3	UA	E004	Boron, total	mg/L	12/15/15 - 03/04/24	27	0	CI around median	1.57	2	Standard	No Exceedance
MW-3	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-3	UA	E004	Chloride, total	mg/L	12/15/15 - 03/04/24	27	0	CB around linear reg	27.3	200	Standard	No Exceedance
MW-3	UA	E004	Chromium, total	mg/L	12/15/15 - 03/04/24	27	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/04/24	27	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/04/24	27	0	CI around mean	0.242	4.0	Standard	No Exceedance
MW-3	UA	E004	Lead, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-3	UA	E004	Lithium, total	mg/L	02/25/21 - 03/04/24	13	92	CI around median	0.003	0.04	Standard	No Exceedance
MW-3	UA	E004	Mercury, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-3	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/04/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E004	pH (field)	SU	12/15/15 - 03/04/24	27	0	CB around linear reg	6.4/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-3	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 03/04/24	23	0	CI around median	0.271	5	Standard	No Exceedance
MW-3	UA	E004	Selenium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-3	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/04/24	27	0	CB around linear reg	113	400	Standard	No Exceedance
MW-3	UA	E004	Thallium, total	mg/L	12/15/15 - 03/04/24	27	97	CB around T-S line	0.002	0.002	Standard	No Exceedance
MW-3	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/04/24	27	0	CB around linear reg	539	1,200	Standard	No Exceedance
MW-5	UA	E004	Antimony, total	mg/L	12/15/15 - 03/04/24	29	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-5	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/04/24	31	86	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-5	UA	E004	Barium, total	mg/L	12/15/15 - 03/04/24	31	0	CB around linear reg	0.145	2.0	Standard	No Exceedance
MW-5	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/04/24	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-5	UA	E004	Boron, total	mg/L	12/15/15 - 03/04/24	31	0	CI around mean	0.528	2	Standard	No Exceedance
MW-5	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/04/24	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-5	UA	E004	Chloride, total	mg/L	12/15/15 - 03/04/24	31	0	CB around linear reg	45.1	200	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-5	UA	E004	Chromium, total	mg/L	12/15/15 - 03/04/24	31	94	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-5	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/04/24	31	89	CI around median	0.001	0.006	Standard	No Exceedance
MW-5	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/04/24	31	3	CI around median	0.16	4.0	Standard	No Exceedance
MW-5	UA	E004	Lead, total	mg/L	12/15/15 - 03/04/24	31	94	CI around median	0.001	0.0075	Standard	No Exceedance
MW-5	UA	E004	Lithium, total	mg/L	12/15/15 - 03/04/24	23	35	CB around T-S line	0.00299	0.04	Standard	No Exceedance
MW-5	UA	E004	Mercury, total	mg/L	12/15/15 - 03/04/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-5	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/04/24	23	96	CB around T-S line	0.00146	0.1	Standard	No Exceedance
MW-5	UA	E004	pH (field)	SU	12/15/15 - 03/04/24	31	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-5	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/04/24	32	0	CI around median	0.3	5	Standard	No Exceedance
MW-5	UA	E004	Selenium, total	mg/L	12/15/15 - 03/04/24	31	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-5	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/04/24	31	33	CI around median	10	400	Standard	No Exceedance
MW-5	UA	E004	Thallium, total	mg/L	12/15/15 - 03/04/24	28	97	CB around T-S line	0.00187	0.002	Standard	No Exceedance
MW-5	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/04/24	31	0	CB around linear reg	698	1,200	Standard	No Exceedance
MW-6	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-6	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around T-S line	0.0372	2.0	Standard	No Exceedance
MW-6	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-6	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.97	2	Standard	No Exceedance
MW-6	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-6	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	53	CB around T-S line	2.15	200	Standard	No Exceedance
MW-6	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	86	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-6	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.186	4.0	Standard	No Exceedance
MW-6	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-6	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	87	CB around T-S line	0.00274	0.04	Standard	No Exceedance
MW-6	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-6	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-6	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.3/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-6	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.37	5	Standard	No Exceedance
MW-6	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	94	CI around median	0.001	0.05	Standard	No Exceedance
MW-6	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around geomean	138	400	Standard	No Exceedance
MW-6	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-6	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	492	1,200	Standard	No Exceedance
MW-7	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-7	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	72	CI around median	0.001	0.010	Standard	No Exceedance
MW-7	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0313	2.0	Standard	No Exceedance
MW-7	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.223	2	Standard	No Exceedance
MW-7	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	75	CB around T-S line	2.44	200	Standard	No Exceedance
MW-7	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	94	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-7	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-7	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.254	4.0	Standard	No Exceedance
MW-7	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-7	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	39	CI around median	0.003	0.04	Standard	No Exceedance
MW-7	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	4	CI around mean	0.00255	0.1	Standard	No Exceedance
MW-7	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.7/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-7	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around geomean	0.461	5	Standard	No Exceedance
MW-7	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around geomean	176	400	Standard	No Exceedance
MW-7	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	571	1,200	Standard	No Exceedance
MW-7S	USCU	E004	Antimony, total	mg/L	02/24/21 - 03/04/24	11	91	CI around median	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-7S	USCU	E004	Arsenic, total	mg/L	02/24/21 - 03/04/24	11	0	CI around geomean	0.00482	0.010	Standard	No Exceedance
MW-7S	USCU	E004	Barium, total	mg/L	02/24/21 - 03/04/24	11	0	CI around median	0.039	2.0	Standard	No Exceedance
MW-7S	USCU	E004	Beryllium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7S	USCU	E004	Boron, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	3.81	2	Standard	Exceedance
MW-7S	USCU	E004	Cadmium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7S	USCU	E004	Chloride, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	9.97	200	Standard	No Exceedance
MW-7S	USCU	E004	Chromium, total	mg/L	02/24/21 - 03/04/24	11	54	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E004	Cobalt, total	mg/L	02/24/21 - 03/04/24	11	18	CI around median	0.0012	0.006	Standard	No Exceedance
MW-7S	USCU	E004	Fluoride, total	mg/L	02/24/21 - 03/04/24	11	0	CB around linear reg	0.25	4.0	Standard	No Exceedance
MW-7S	USCU	E004	Lead, total	mg/L	02/24/21 - 03/04/24	11	73	CI around median	0.001	0.0075	Standard	No Exceedance
MW-7S	USCU	E004	Lithium, total	mg/L	02/24/21 - 03/04/24	11	91	CI around median	0.003	0.04	Standard	No Exceedance
MW-7S	USCU	E004	Mercury, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7S	USCU	E004	Molybdenum, total	mg/L	02/24/21 - 03/04/24	11	73	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E004	pH (field)	SU	02/24/21 - 03/04/24	11	0	CI around median	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-7S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/04/24	11	0	CI around mean	0.134	5	Standard	No Exceedance
MW-7S	USCU	E004	Selenium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7S	USCU	E004	Sulfate, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	416	400	Standard	Exceedance
MW-7S	USCU	E004	Thallium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7S	USCU	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/04/24	10	0	CI around median	1,010	1,200	Standard	No Exceedance
MW-8	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-8	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-8	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0199	2.0	Standard	No Exceedance
MW-8	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-8	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around median	0.958	2	Standard	No Exceedance
MW-8	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-8	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	15.3	200	Standard	No Exceedance
MW-8	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	28	CB around linear reg	0.00091	0.006	Standard	No Exceedance
MW-8	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around T-S line	0.217	4.0	Standard	No Exceedance
MW-8	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-8	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	52	CB around T-S line	0.00287	0.04	Standard	No Exceedance
MW-8	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-8	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-8	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CI around mean	6.6/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-8	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.21	5	Standard	No Exceedance
MW-8	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-8	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	208	400	Standard	No Exceedance
MW-8	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-8	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	762	1,200	Standard	No Exceedance
MW-8S	USCU	E004	Antimony, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-8S	USCU	E004	Arsenic, total	mg/L	--	--	--	--	--	0.010	Standard	--
MW-8S	USCU	E004	Barium, total	mg/L	--	--	--	--	--	2.0	Standard	--
MW-8S	USCU	E004	Beryllium, total	mg/L	--	--	--	--	--	0.004	Standard	--
MW-8S	USCU	E004	Boron, total	mg/L	--	--	--	--	--	2	Standard	--
MW-8S	USCU	E004	Cadmium, total	mg/L	--	--	--	--	--	0.005	Standard	--
MW-8S	USCU	E004	Chloride, total	mg/L	--	--	--	--	--	200	Standard	--
MW-8S	USCU	E004	Chromium, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-8S	USCU	E004	Cobalt, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-8S	USCU	E004	Fluoride, total	mg/L	--	--	--	--	--	4.0	Standard	--
MW-8S	USCU	E004	Lead, total	mg/L	--	--	--	--	--	0.0075	Standard	--
MW-8S	USCU	E004	Lithium, total	mg/L	--	--	--	--	--	0.04	Standard	--
MW-8S	USCU	E004	Mercury, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-8S	USCU	E004	Molybdenum, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-8S	USCU	E004	pH (field)	SU	--	--	--	--	--	5.6/9.0	Background/Standard	--

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	5	Standard	--
MW-8S	USCU	E004	Selenium, total	mg/L	--	--	--	--	--	0.05	Standard	--
MW-8S	USCU	E004	Sulfate, total	mg/L	--	--	--	--	--	400	Standard	--
MW-8S	USCU	E004	Thallium, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-8S	USCU	E004	Total Dissolved Solids	mg/L	--	--	--	--	--	1,200	Standard	--
MW-11	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	23	CI around median	0.0012	0.010	Standard	No Exceedance
MW-11	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.112	2.0	Standard	No Exceedance
MW-11	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-11	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	1.56	2	Standard	No Exceedance
MW-11	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-11	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	29.6	200	Standard	No Exceedance
MW-11	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-11	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	94	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.492	4.0	Standard	No Exceedance
MW-11	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-11	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	48	CB around linear reg	0.00283	0.04	Standard	No Exceedance
MW-11	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-11	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	4	CI around median	0.0021	0.1	Standard	No Exceedance
MW-11	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-11	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around mean	0.549	5	Standard	No Exceedance
MW-11	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	64	CI around median	0.001	0.05	Standard	No Exceedance
MW-11	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	108	400	Standard	No Exceedance
MW-11	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-11	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	626	1,200	Standard	No Exceedance
MW-12	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-12	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	90	CB around T-S line	0.001	0.010	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-12	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0609	2.0	Standard	No Exceedance
MW-12	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-12	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	2.68	2	Standard	Exceedance
MW-12	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-12	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	19.9	200	Standard	No Exceedance
MW-12	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-12	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around median	0.18	4.0	Standard	No Exceedance
MW-12	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-12	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	0	CI around mean	0.00848	0.04	Standard	No Exceedance
MW-12	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-12	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	83	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-12	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.447	5	Standard	No Exceedance
MW-12	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	97	CI around median	0.001	0.05	Standard	No Exceedance
MW-12	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	362	400	Standard	No Exceedance
MW-12	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-12	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	990	1,200	Standard	No Exceedance
MW-20	UA	E004	Antimony, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-20	UA	E004	Arsenic, total	mg/L	02/26/21 - 03/05/24	13	46	CI around median	0.001	0.010	Standard	No Exceedance
MW-20	UA	E004	Barium, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.065	2.0	Standard	No Exceedance
MW-20	UA	E004	Beryllium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20	UA	E004	Boron, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.547	2	Standard	No Exceedance
MW-20	UA	E004	Cadmium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20	UA	E004	Chloride, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	18.7	200	Standard	No Exceedance
MW-20	UA	E004	Chromium, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20	UA	E004	Cobalt, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20	UA	E004	Fluoride, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.318	4.0	Standard	No Exceedance
MW-20	UA	E004	Lead, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20	UA	E004	Lithium, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	-0.00347	0.04	Standard	No Exceedance
MW-20	UA	E004	Mercury, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20	UA	E004	Molybdenum, total	mg/L	02/26/21 - 03/05/24	13	8	CB around linear reg	-0.000432	0.1	Standard	No Exceedance
MW-20	UA	E004	pH (field)	SU	02/26/21 - 03/05/24	13	0	CI around mean	6.8/7.1	5.6/9.0	Background/Standard	No Exceedance
MW-20	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/05/24	13	0	CI around mean	0.239	5	Standard	No Exceedance
MW-20	UA	E004	Selenium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20	UA	E004	Sulfate, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	144	400	Standard	No Exceedance
MW-20	UA	E004	Thallium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20	UA	E004	Total Dissolved Solids	mg/L	02/26/21 - 03/05/24	12	0	CB around linear reg	641	1,200	Standard	No Exceedance
MW-20S	USCU	E004	Antimony, total	mg/L	02/26/21 - 03/04/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E004	Arsenic, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-20S	USCU	E004	Barium, total	mg/L	02/26/21 - 03/04/24	13	8	CI around median	0.0346	2.0	Standard	No Exceedance
MW-20S	USCU	E004	Beryllium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20S	USCU	E004	Boron, total	mg/L	02/26/21 - 03/04/24	13	0	CB around linear reg	1.22	2	Standard	No Exceedance
MW-20S	USCU	E004	Cadmium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20S	USCU	E004	Chloride, total	mg/L	02/26/21 - 03/04/24	13	0	CI around mean	17.6	200	Standard	No Exceedance
MW-20S	USCU	E004	Chromium, total	mg/L	02/26/21 - 03/04/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E004	Cobalt, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E004	Fluoride, total	mg/L	02/26/21 - 03/04/24	13	0	CI around mean	0.176	4.0	Standard	No Exceedance
MW-20S	USCU	E004	Lead, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20S	USCU	E004	Lithium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-20S	USCU	E004	Mercury, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20S	USCU	E004	Molybdenum, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E004	pH (field)	SU	02/26/21 - 03/04/24	13	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-20S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/04/24	13	0	CI around mean	0.158	5	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20S	USCU	E004	Selenium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20S	USCU	E004	Sulfate, total	mg/L	02/26/21 - 03/04/24	13	0	CB around linear reg	305	400	Standard	No Exceedance
MW-20S	USCU	E004	Thallium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20S	USCU	E004	Total Dissolved Solids	mg/L	02/26/21 - 03/04/24	12	0	CB around linear reg	902	1,200	Standard	No Exceedance
MW-23	UA	E004	Antimony, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-23	UA	E004	Arsenic, total	mg/L	02/26/21 - 03/05/24	13	46	CI around median	0.001	0.010	Standard	No Exceedance
MW-23	UA	E004	Barium, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	0.0835	2.0	Standard	No Exceedance
MW-23	UA	E004	Beryllium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-23	UA	E004	Boron, total	mg/L	02/26/21 - 03/05/24	13	0	CI around median	1.95	2	Standard	No Exceedance
MW-23	UA	E004	Cadmium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-23	UA	E004	Chloride, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	24.1	200	Standard	No Exceedance
MW-23	UA	E004	Chromium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E004	Cobalt, total	mg/L	02/26/21 - 03/05/24	13	38	CI around median	0.001	0.006	Standard	No Exceedance
MW-23	UA	E004	Fluoride, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	0.345	4.0	Standard	No Exceedance
MW-23	UA	E004	Lead, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-23	UA	E004	Lithium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-23	UA	E004	Mercury, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-23	UA	E004	Molybdenum, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E004	pH (field)	SU	02/26/21 - 03/05/24	13	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-23	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/05/24	13	0	CI around mean	0.272	5	Standard	No Exceedance
MW-23	UA	E004	Selenium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-23	UA	E004	Sulfate, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	41.4	400	Standard	No Exceedance
MW-23	UA	E004	Thallium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-23	UA	E004	Total Dissolved Solids	mg/L	02/26/21 - 03/05/24	12	0	CI around mean	581	1,200	Standard	No Exceedance
MW-27	USCU	E004	Antimony, total	mg/L	02/24/21 - 03/05/24	10	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-27	USCU	E004	Arsenic, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.00361	0.010	Standard	No Exceedance
MW-27	USCU	E004	Barium, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.0832	2.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-27	USCU	E004	Beryllium, total	mg/L	02/24/21 - 03/05/24	10	70	CI around median	0.001	0.004	Standard	No Exceedance
MW-27	USCU	E004	Boron, total	mg/L	02/24/21 - 03/05/24	10	0	CI around mean	0.972	2	Standard	No Exceedance
MW-27	USCU	E004	Cadmium, total	mg/L	02/24/21 - 03/05/24	10	90	CI around median	0.001	0.005	Standard	No Exceedance
MW-27	USCU	E004	Chloride, total	mg/L	02/24/21 - 03/05/24	10	0	CI around mean	14.3	200	Standard	No Exceedance
MW-27	USCU	E004	Chromium, total	mg/L	02/24/21 - 03/05/24	10	10	CI around geomean	0.00276	0.1	Standard	No Exceedance
MW-27	USCU	E004	Cobalt, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.00211	0.006	Standard	No Exceedance
MW-27	USCU	E004	Fluoride, total	mg/L	02/24/21 - 03/05/24	10	0	CI around median	0.17	4.0	Standard	No Exceedance
MW-27	USCU	E004	Lead, total	mg/L	02/24/21 - 03/05/24	10	10	CI around geomean	0.0014	0.0075	Standard	No Exceedance
MW-27	USCU	E004	Lithium, total	mg/L	02/24/21 - 03/05/24	10	30	CI around geomean	0.00321	0.04	Standard	No Exceedance
MW-27	USCU	E004	Mercury, total	mg/L	02/24/21 - 03/05/24	10	80	CI around median	0.0002	0.002	Standard	No Exceedance
MW-27	USCU	E004	Molybdenum, total	mg/L	02/24/21 - 03/05/24	10	20	CI around geomean	0.00221	0.1	Standard	No Exceedance
MW-27	USCU	E004	pH (field)	SU	02/24/21 - 03/05/24	11	0	CI around mean	6.6/6.9	5.6/9.0	Background/Standard	No Exceedance
MW-27	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.364	5	Standard	No Exceedance
MW-27	USCU	E004	Selenium, total	mg/L	02/24/21 - 03/05/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-27	USCU	E004	Sulfate, total	mg/L	02/24/21 - 03/05/24	10	0	CI around mean	263	400	Standard	No Exceedance
MW-27	USCU	E004	Thallium, total	mg/L	02/24/21 - 03/05/24	10	90	CI around median	0.002	0.002	Standard	No Exceedance
MW-27	USCU	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/05/24	9	0	CI around median	885	1,200	Standard	No Exceedance
MW-28	UA	E004	Antimony, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-28	UA	E004	Arsenic, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-28	UA	E004	Barium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.0224	2.0	Standard	No Exceedance
MW-28	UA	E004	Beryllium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-28	UA	E004	Boron, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	8.73	2	Standard	Exceedance
MW-28	UA	E004	Cadmium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-28	UA	E004	Chloride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	12.5	200	Standard	No Exceedance
MW-28	UA	E004	Chromium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E004	Cobalt, total	mg/L	02/24/21 - 03/06/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
MW-28	UA	E004	Fluoride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around median	0.13	4.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-28	UA	E004	Lead, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-28	UA	E004	Lithium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.0061	0.04	Standard	No Exceedance
MW-28	UA	E004	Mercury, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-28	UA	E004	Molybdenum, total	mg/L	02/24/21 - 03/06/24	13	92	CI around median	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E004	pH (field)	SU	02/24/21 - 03/06/24	13	0	CI around mean	6.6/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-28	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/06/24	13	0	CB around linear reg	0.421	5	Standard	No Exceedance
MW-28	UA	E004	Selenium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-28	UA	E004	Sulfate, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	816	400	Standard	Exceedance
MW-28	UA	E004	Thallium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-28	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/06/24	12	0	CI around mean	1,630	1,200	Standard	Exceedance
MW-30	UA	E004	Antimony, total	mg/L	02/25/21 - 03/06/24	13	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-30	UA	E004	Arsenic, total	mg/L	02/25/21 - 03/06/24	13	8	CB around linear reg	0.00309	0.010	Standard	No Exceedance
MW-30	UA	E004	Barium, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	0.152	2.0	Standard	No Exceedance
MW-30	UA	E004	Beryllium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-30	UA	E004	Boron, total	mg/L	02/25/21 - 03/06/24	13	0	CI around median	1.09	2	Standard	No Exceedance
MW-30	UA	E004	Cadmium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-30	UA	E004	Chloride, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	38.3	200	Standard	No Exceedance
MW-30	UA	E004	Chromium, total	mg/L	02/25/21 - 03/06/24	13	77	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E004	Cobalt, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	0.00202	0.006	Standard	No Exceedance
MW-30	UA	E004	Fluoride, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	0.311	4.0	Standard	No Exceedance
MW-30	UA	E004	Lead, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-30	UA	E004	Lithium, total	mg/L	02/25/21 - 03/06/24	13	85	CB around T-S line	-0.00522	0.04	Standard	No Exceedance
MW-30	UA	E004	Mercury, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-30	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/06/24	13	31	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E004	pH (field)	SU	02/25/21 - 03/06/24	13	0	CI around mean	6.4/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-30	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	13	0	CI around geomean	0.606	5	Standard	No Exceedance
MW-30	UA	E004	Selenium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-30	UA	E004	Sulfate, total	mg/L	02/25/21 - 03/06/24	13	38	CB around linear reg	-29.5	400	Standard	No Exceedance
MW-30	UA	E004	Thallium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-30	UA	E004	Total Dissolved Solids	mg/L	02/25/21 - 03/06/24	12	0	CB around linear reg	566	1,200	Standard	No Exceedance
MW-31	UA	E004	Antimony, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-31	UA	E004	Arsenic, total	mg/L	02/24/21 - 03/06/24	13	8	CI around mean	0.00246	0.010	Standard	No Exceedance
MW-31	UA	E004	Barium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.214	2.0	Standard	No Exceedance
MW-31	UA	E004	Beryllium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-31	UA	E004	Boron, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.242	2	Standard	No Exceedance
MW-31	UA	E004	Cadmium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31	UA	E004	Chloride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	46.4	200	Standard	No Exceedance
MW-31	UA	E004	Chromium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-31	UA	E004	Cobalt, total	mg/L	02/24/21 - 03/06/24	13	77	CI around median	0.001	0.006	Standard	No Exceedance
MW-31	UA	E004	Fluoride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around median	0.17	4.0	Standard	No Exceedance
MW-31	UA	E004	Lead, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-31	UA	E004	Lithium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.00479	0.04	Standard	No Exceedance
MW-31	UA	E004	Mercury, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31	UA	E004	Molybdenum, total	mg/L	02/24/21 - 03/06/24	13	54	CB around T-S line	-0.00557	0.1	Standard	No Exceedance
MW-31	UA	E004	pH (field)	SU	02/24/21 - 03/06/24	13	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/06/24	13	0	CI around mean	0.62	5	Standard	No Exceedance
MW-31	UA	E004	Selenium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31	UA	E004	Sulfate, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	10	400	Standard	No Exceedance
MW-31	UA	E004	Thallium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/06/24	12	0	CI around mean	577	1,200	Standard	No Exceedance
MW-31S	USCU	E004	Antimony, total	mg/L	02/24/21 - 03/04/24	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-31S	USCU	E004	Arsenic, total	mg/L	02/24/21 - 03/04/24	12	0	CI around mean	0.00602	0.010	Standard	No Exceedance
MW-31S	USCU	E004	Barium, total	mg/L	02/24/21 - 03/04/24	12	0	CI around geomean	0.206	2.0	Standard	No Exceedance
MW-31S	USCU	E004	Beryllium, total	mg/L	02/24/21 - 03/04/24	12	92	CI around median	0.001	0.004	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-31S	USCU	E004	Boron, total	mg/L	02/24/21 - 03/04/24	12	8	CI around mean	0.0366	2	Standard	No Exceedance
MW-31S	USCU	E004	Cadmium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31S	USCU	E004	Chloride, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	14.6	200	Standard	No Exceedance
MW-31S	USCU	E004	Chromium, total	mg/L	02/24/21 - 03/04/24	12	50	CI around median	0.0015	0.1	Standard	No Exceedance
MW-31S	USCU	E004	Cobalt, total	mg/L	02/24/21 - 03/04/24	12	0	CI around geomean	0.0031	0.006	Standard	No Exceedance
MW-31S	USCU	E004	Fluoride, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	0.219	4.0	Standard	No Exceedance
MW-31S	USCU	E004	Lead, total	mg/L	02/24/21 - 03/04/24	12	33	CI around geomean	0.000877	0.0075	Standard	No Exceedance
MW-31S	USCU	E004	Lithium, total	mg/L	02/24/21 - 03/04/24	12	58	CI around median	0.003	0.04	Standard	No Exceedance
MW-31S	USCU	E004	Mercury, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31S	USCU	E004	Molybdenum, total	mg/L	02/24/21 - 03/04/24	12	33	CI around mean	0.00209	0.1	Standard	No Exceedance
MW-31S	USCU	E004	pH (field)	SU	02/24/21 - 03/04/24	13	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/04/24	11	0	CI around mean	0.926	5	Standard	No Exceedance
MW-31S	USCU	E004	Selenium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31S	USCU	E004	Sulfate, total	mg/L	02/24/21 - 03/04/24	11	18	CB around linear reg	-102	400	Standard	No Exceedance
MW-31S	USCU	E004	Thallium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31S	USCU	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/04/24	10	0	CB around linear reg	546	1,200	Standard	No Exceedance
MW-32	UA	E004	Antimony, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-32	UA	E004	Arsenic, total	mg/L	02/25/21 - 03/06/24	13	92	CI around median	0.001	0.010	Standard	No Exceedance
MW-32	UA	E004	Barium, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	0.0286	2.0	Standard	No Exceedance
MW-32	UA	E004	Beryllium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-32	UA	E004	Boron, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	1.53	2	Standard	No Exceedance
MW-32	UA	E004	Cadmium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-32	UA	E004	Chloride, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	9.58	200	Standard	No Exceedance
MW-32	UA	E004	Chromium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E004	Cobalt, total	mg/L	02/25/21 - 03/06/24	13	77	CI around median	0.001	0.006	Standard	No Exceedance
MW-32	UA	E004	Fluoride, total	mg/L	02/25/21 - 03/06/24	13	0	CI around median	0.17	4.0	Standard	No Exceedance
MW-32	UA	E004	Lead, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance

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EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-32	UA	E004	Lithium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-32	UA	E004	Mercury, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-32	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E004	pH (field)	SU	02/25/21 - 03/06/24	13	0	CI around mean	6.3/6.5	5.6/9.0	Background/Standard	No Exceedance
MW-32	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	13	0	CI around mean	0.143	5	Standard	No Exceedance
MW-32	UA	E004	Selenium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-32	UA	E004	Sulfate, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	391	400	Standard	No Exceedance
MW-32	UA	E004	Thallium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-32	UA	E004	Total Dissolved Solids	mg/L	02/25/21 - 03/06/24	12	0	CB around linear reg	1,000	1,200	Standard	No Exceedance
PZ-4C	UA	E004	Antimony, total	mg/L	02/25/21 - 03/06/24	12	83	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E004	Arsenic, total	mg/L	02/25/21 - 03/06/24	12	42	CI around geomean	0.000988	0.010	Standard	No Exceedance
PZ-4C	UA	E004	Barium, total	mg/L	02/25/21 - 03/06/24	12	0	CI around median	0.247	2.0	Standard	No Exceedance
PZ-4C	UA	E004	Beryllium, total	mg/L	02/25/21 - 03/06/24	12	92	CI around median	0.001	0.004	Standard	No Exceedance
PZ-4C	UA	E004	Boron, total	mg/L	02/25/21 - 03/06/24	12	0	CI around mean	1.38	2	Standard	No Exceedance
PZ-4C	UA	E004	Cadmium, total	mg/L	02/25/21 - 03/06/24	12	92	CI around median	0.001	0.005	Standard	No Exceedance
PZ-4C	UA	E004	Chloride, total	mg/L	02/25/21 - 03/06/24	12	0	CB around linear reg	30.8	200	Standard	No Exceedance
PZ-4C	UA	E004	Chromium, total	mg/L	02/25/21 - 03/06/24	12	42	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E004	Cobalt, total	mg/L	02/25/21 - 03/06/24	12	75	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E004	Fluoride, total	mg/L	02/25/21 - 03/06/24	12	0	CI around mean	0.379	4.0	Standard	No Exceedance
PZ-4C	UA	E004	Lead, total	mg/L	02/25/21 - 03/06/24	12	58	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-4C	UA	E004	Lithium, total	mg/L	02/25/21 - 03/06/24	12	0	CI around median	0.0067	0.04	Standard	No Exceedance
PZ-4C	UA	E004	Mercury, total	mg/L	02/25/21 - 03/06/24	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
PZ-4C	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/06/24	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E004	pH (field)	SU	02/25/21 - 03/06/24	12	0	CI around mean	6.6/7.1	5.6/9.0	Background/Standard	No Exceedance
PZ-4C	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	12	0	CI around geomean	0.52	5	Standard	No Exceedance
PZ-4C	UA	E004	Selenium, total	mg/L	02/25/21 - 03/06/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-4C	UA	E004	Sulfate, total	mg/L	02/25/21 - 03/06/24	12	0	CI around mean	60.7	400	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-4C	UA	E004	Thallium, total	mg/L	02/25/21 - 03/06/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-4C	UA	E004	Total Dissolved Solids	mg/L	02/25/21 - 03/06/24	11	0	CI around mean	537	1,200	Standard	No Exceedance

Notes:
- = no data available
Compliance Result:
 No Exceedance: the statistical result did not exceed the GWPS.
 Exceedance: The statistical result exceeded the GWPS.
HSU = hydrostratigraphic unit:
 UA = Uppermost Aquifer
 USCU = Upper Semi-Confining Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
 All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
 CB around T-S line = Confidence band around Thiel-Sen line
 CB around linear reg = Confidence band around linear regression
 CI around geomean = Confidence interval around the geometric mean
 CI around mean = Confidence interval around the mean
 CI around median = Confidence interval around the median
 Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:
 Standard = standard specified in 35 I.A.C. § 845.600(a)(1)
 Background = background concentration (see cover page for additional information)

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-3	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	28	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-3	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	28	0	CI around median	0.0453	2.0	Standard	No Exceedance
MW-3	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-3	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	28	0	CI around median	1.56	2	Standard	No Exceedance
MW-3	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-3	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	28	0	CB around linear reg	27.2	200	Standard	No Exceedance
MW-3	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	28	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	28	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	28	0	CI around mean	0.241	4.0	Standard	No Exceedance
MW-3	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-3	UA	E005	Lithium, total	mg/L	02/25/21 - 05/20/24	14	93	CI around median	0.003	0.04	Standard	No Exceedance
MW-3	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-3	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	28	0	CI around mean	6.7/6.9	5.6/9.0	Background/Standard	No Exceedance
MW-3	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 05/20/24	24	0	CI around median	0.36	5	Standard	No Exceedance
MW-3	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-3	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	28	0	CB around linear reg	114	400	Standard	No Exceedance
MW-3	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	28	97	CB around T-S line	0.002	0.002	Standard	No Exceedance
MW-3	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	28	0	CB around linear reg	539	1,200	Standard	No Exceedance
MW-5	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-5	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	84	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-5	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.147	2.0	Standard	No Exceedance
MW-5	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-5	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.53	2	Standard	No Exceedance
MW-5	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-5	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	44.9	200	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-5	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	92	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-5	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	86	CI around median	0.001	0.006	Standard	No Exceedance
MW-5	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	3	CI around median	0.16	4.0	Standard	No Exceedance
MW-5	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	92	CI around median	0.001	0.0075	Standard	No Exceedance
MW-5	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	33	CB around T-S line	0.003	0.04	Standard	No Exceedance
MW-5	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-5	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	96	CB around T-S line	0.00145	0.1	Standard	No Exceedance
MW-5	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-5	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.265	5	Standard	No Exceedance
MW-5	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-5	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	32	CI around median	10	400	Standard	No Exceedance
MW-5	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	97	CB around T-S line	0.00184	0.002	Standard	No Exceedance
MW-5	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	708	1,200	Standard	No Exceedance
MW-6	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-6	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.0379	2.0	Standard	No Exceedance
MW-6	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-6	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.961	2	Standard	No Exceedance
MW-6	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-6	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	54	CB around T-S line	2.23	200	Standard	No Exceedance
MW-6	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	86	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-6	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.192	4.0	Standard	No Exceedance
MW-6	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-6	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	88	CB around T-S line	0.00281	0.04	Standard	No Exceedance
MW-6	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-6	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-6	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.3/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-6	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.37	5	Standard	No Exceedance
MW-6	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	92	CI around median	0.001	0.05	Standard	No Exceedance
MW-6	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	68.4	400	Standard	No Exceedance
MW-6	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-6	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	387	1,200	Standard	No Exceedance
MW-7	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-7	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	70	CI around median	0.001	0.010	Standard	No Exceedance
MW-7	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.031	2.0	Standard	No Exceedance
MW-7	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.225	2	Standard	No Exceedance
MW-7	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	76	CB around T-S line	2.55	200	Standard	No Exceedance
MW-7	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	95	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-7	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	81	CI around median	0.001	0.006	Standard	No Exceedance
MW-7	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.254	4.0	Standard	No Exceedance
MW-7	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-7	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	42	CI around median	0.003	0.04	Standard	No Exceedance
MW-7	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	4	CI around mean	0.00254	0.1	Standard	No Exceedance
MW-7	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.7/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-7	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around geomean	0.457	5	Standard	No Exceedance
MW-7	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CI around geomean	175	400	Standard	No Exceedance
MW-7	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	573	1,200	Standard	No Exceedance
MW-7S	USCU	E005	Antimony, total	mg/L	02/24/21 - 05/20/24	12	92	CI around median	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-7S	USCU	E005	Arsenic, total	mg/L	02/24/21 - 05/20/24	12	0	CI around median	0.0059	0.010	Standard	No Exceedance
MW-7S	USCU	E005	Barium, total	mg/L	02/24/21 - 05/20/24	12	0	CI around median	0.039	2.0	Standard	No Exceedance
MW-7S	USCU	E005	Beryllium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7S	USCU	E005	Boron, total	mg/L	02/24/21 - 05/20/24	12	0	CI around mean	3.9	2	Standard	Exceedance
MW-7S	USCU	E005	Cadmium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7S	USCU	E005	Chloride, total	mg/L	02/24/21 - 05/20/24	12	0	CI around mean	9.58	200	Standard	No Exceedance
MW-7S	USCU	E005	Chromium, total	mg/L	02/24/21 - 05/20/24	12	50	CI around geomean	0.00155	0.1	Standard	No Exceedance
MW-7S	USCU	E005	Cobalt, total	mg/L	02/24/21 - 05/20/24	12	17	CI around median	0.0012	0.006	Standard	No Exceedance
MW-7S	USCU	E005	Fluoride, total	mg/L	02/24/21 - 05/20/24	12	0	CB around linear reg	0.259	4.0	Standard	No Exceedance
MW-7S	USCU	E005	Lead, total	mg/L	02/24/21 - 05/20/24	12	75	CI around median	0.001	0.0075	Standard	No Exceedance
MW-7S	USCU	E005	Lithium, total	mg/L	02/24/21 - 05/20/24	12	92	CI around median	0.003	0.04	Standard	No Exceedance
MW-7S	USCU	E005	Mercury, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7S	USCU	E005	Molybdenum, total	mg/L	02/24/21 - 05/20/24	12	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E005	pH (field)	SU	02/24/21 - 05/20/24	12	0	CI around median	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-7S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/20/24	12	0	CI around mean	0.18	5	Standard	No Exceedance
MW-7S	USCU	E005	Selenium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7S	USCU	E005	Sulfate, total	mg/L	02/24/21 - 05/20/24	12	0	CI around mean	423	400	Standard	Exceedance
MW-7S	USCU	E005	Thallium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7S	USCU	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/20/24	11	0	CI around median	1,010	1,200	Standard	No Exceedance
MW-8	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-8	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-8	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.0197	2.0	Standard	No Exceedance
MW-8	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-8	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around median	0.954	2	Standard	No Exceedance
MW-8	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-8	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	12.9	200	Standard	No Exceedance
MW-8	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	27	CI around geomean	0.00102	0.006	Standard	No Exceedance
MW-8	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.216	4.0	Standard	No Exceedance
MW-8	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-8	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	54	CB around T-S line	0.00295	0.04	Standard	No Exceedance
MW-8	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-8	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-8	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CI around mean	6.6/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-8	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.2	5	Standard	No Exceedance
MW-8	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-8	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	204	400	Standard	No Exceedance
MW-8	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-8	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	766	1,200	Standard	No Exceedance
MW-8S	USCU	E005	Antimony, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-8S	USCU	E005	Arsenic, total	mg/L	--	--	--	--	--	0.010	Standard	--
MW-8S	USCU	E005	Barium, total	mg/L	--	--	--	--	--	2.0	Standard	--
MW-8S	USCU	E005	Beryllium, total	mg/L	--	--	--	--	--	0.004	Standard	--
MW-8S	USCU	E005	Boron, total	mg/L	--	--	--	--	--	2	Standard	--
MW-8S	USCU	E005	Cadmium, total	mg/L	--	--	--	--	--	0.005	Standard	--
MW-8S	USCU	E005	Chloride, total	mg/L	--	--	--	--	--	200	Standard	--
MW-8S	USCU	E005	Chromium, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-8S	USCU	E005	Cobalt, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-8S	USCU	E005	Fluoride, total	mg/L	--	--	--	--	--	4.0	Standard	--
MW-8S	USCU	E005	Lead, total	mg/L	--	--	--	--	--	0.0075	Standard	--
MW-8S	USCU	E005	Lithium, total	mg/L	--	--	--	--	--	0.04	Standard	--
MW-8S	USCU	E005	Mercury, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-8S	USCU	E005	Molybdenum, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-8S	USCU	E005	pH (field)	SU	--	--	--	--	--	5.6/9.0	Background/Standard	--

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	5	Standard	--
MW-8S	USCU	E005	Selenium, total	mg/L	--	--	--	--	--	0.05	Standard	--
MW-8S	USCU	E005	Sulfate, total	mg/L	--	--	--	--	--	400	Standard	--
MW-8S	USCU	E005	Thallium, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-8S	USCU	E005	Total Dissolved Solids	mg/L	--	--	--	--	--	1,200	Standard	--
MW-11	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	25	CI around median	0.0012	0.010	Standard	No Exceedance
MW-11	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.11	2.0	Standard	No Exceedance
MW-11	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-11	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	1.56	2	Standard	No Exceedance
MW-11	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-11	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	28.4	200	Standard	No Exceedance
MW-11	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-11	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	94	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.491	4.0	Standard	No Exceedance
MW-11	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-11	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	50	CB around linear reg	0.00284	0.04	Standard	No Exceedance
MW-11	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-11	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	4	CI around median	0.0021	0.1	Standard	No Exceedance
MW-11	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-11	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around mean	0.55	5	Standard	No Exceedance
MW-11	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	66	CI around median	0.001	0.05	Standard	No Exceedance
MW-11	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	108	400	Standard	No Exceedance
MW-11	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-11	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	627	1,200	Standard	No Exceedance
MW-12	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-12	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	91	CB around T-S line	0.001	0.010	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-12	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.0618	2.0	Standard	No Exceedance
MW-12	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-12	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	2.71	2	Standard	Exceedance
MW-12	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-12	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	19.9	200	Standard	No Exceedance
MW-12	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-12	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around median	0.18	4.0	Standard	No Exceedance
MW-12	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-12	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	0	CI around mean	0.0085	0.04	Standard	No Exceedance
MW-12	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-12	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	83	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-12	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.447	5	Standard	No Exceedance
MW-12	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	97	CI around median	0.001	0.05	Standard	No Exceedance
MW-12	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	363	400	Standard	No Exceedance
MW-12	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-12	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	1,080	1,200	Standard	No Exceedance
MW-20	UA	E005	Antimony, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-20	UA	E005	Arsenic, total	mg/L	02/26/21 - 05/20/24	14	50	CI around median	0.001	0.010	Standard	No Exceedance
MW-20	UA	E005	Barium, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.0649	2.0	Standard	No Exceedance
MW-20	UA	E005	Beryllium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20	UA	E005	Boron, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.566	2	Standard	No Exceedance
MW-20	UA	E005	Cadmium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20	UA	E005	Chloride, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	18.8	200	Standard	No Exceedance
MW-20	UA	E005	Chromium, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20	UA	E005	Cobalt, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20	UA	E005	Fluoride, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.313	4.0	Standard	No Exceedance
MW-20	UA	E005	Lead, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20	UA	E005	Lithium, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	-0.00308	0.04	Standard	No Exceedance
MW-20	UA	E005	Mercury, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20	UA	E005	Molybdenum, total	mg/L	02/26/21 - 05/20/24	14	7	CB around linear reg	-0.000361	0.1	Standard	No Exceedance
MW-20	UA	E005	pH (field)	SU	02/26/21 - 05/20/24	14	0	CI around mean	6.8/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-20	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/20/24	14	0	CI around mean	0.263	5	Standard	No Exceedance
MW-20	UA	E005	Selenium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20	UA	E005	Sulfate, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	148	400	Standard	No Exceedance
MW-20	UA	E005	Thallium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20	UA	E005	Total Dissolved Solids	mg/L	02/26/21 - 05/20/24	13	0	CB around linear reg	655	1,200	Standard	No Exceedance
MW-20S	USCU	E005	Antimony, total	mg/L	02/26/21 - 05/21/24	14	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E005	Arsenic, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-20S	USCU	E005	Barium, total	mg/L	02/26/21 - 05/21/24	14	7	CI around median	0.0346	2.0	Standard	No Exceedance
MW-20S	USCU	E005	Beryllium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20S	USCU	E005	Boron, total	mg/L	02/26/21 - 05/21/24	14	0	CB around linear reg	1.31	2	Standard	No Exceedance
MW-20S	USCU	E005	Cadmium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20S	USCU	E005	Chloride, total	mg/L	02/26/21 - 05/21/24	14	0	CI around mean	17.7	200	Standard	No Exceedance
MW-20S	USCU	E005	Chromium, total	mg/L	02/26/21 - 05/21/24	14	93	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E005	Cobalt, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E005	Fluoride, total	mg/L	02/26/21 - 05/21/24	14	0	CI around mean	0.177	4.0	Standard	No Exceedance
MW-20S	USCU	E005	Lead, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20S	USCU	E005	Lithium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-20S	USCU	E005	Mercury, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20S	USCU	E005	Molybdenum, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E005	pH (field)	SU	02/26/21 - 05/21/24	14	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-20S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/21/24	14	0	CI around mean	0.158	5	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20S	USCU	E005	Selenium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20S	USCU	E005	Sulfate, total	mg/L	02/26/21 - 05/21/24	14	0	CB around linear reg	320	400	Standard	No Exceedance
MW-20S	USCU	E005	Thallium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20S	USCU	E005	Total Dissolved Solids	mg/L	02/26/21 - 05/21/24	13	0	CB around linear reg	943	1,200	Standard	No Exceedance
MW-23	UA	E005	Antimony, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-23	UA	E005	Arsenic, total	mg/L	02/26/21 - 05/20/24	14	43	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-23	UA	E005	Barium, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	0.0837	2.0	Standard	No Exceedance
MW-23	UA	E005	Beryllium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-23	UA	E005	Boron, total	mg/L	02/26/21 - 05/20/24	14	0	CI around median	1.95	2	Standard	No Exceedance
MW-23	UA	E005	Cadmium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-23	UA	E005	Chloride, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	24.1	200	Standard	No Exceedance
MW-23	UA	E005	Chromium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E005	Cobalt, total	mg/L	02/26/21 - 05/20/24	14	36	CI around median	0.001	0.006	Standard	No Exceedance
MW-23	UA	E005	Fluoride, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	0.344	4.0	Standard	No Exceedance
MW-23	UA	E005	Lead, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-23	UA	E005	Lithium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-23	UA	E005	Mercury, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-23	UA	E005	Molybdenum, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E005	pH (field)	SU	02/26/21 - 05/20/24	14	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-23	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/20/24	14	0	CI around mean	0.236	5	Standard	No Exceedance
MW-23	UA	E005	Selenium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-23	UA	E005	Sulfate, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	41.9	400	Standard	No Exceedance
MW-23	UA	E005	Thallium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-23	UA	E005	Total Dissolved Solids	mg/L	02/26/21 - 05/20/24	13	0	CI around mean	584	1,200	Standard	No Exceedance
MW-27	USCU	E005	Antimony, total	mg/L	02/24/21 - 05/21/24	11	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-27	USCU	E005	Arsenic, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.00377	0.010	Standard	No Exceedance
MW-27	USCU	E005	Barium, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.0864	2.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-27	USCU	E005	Beryllium, total	mg/L	02/24/21 - 05/21/24	11	73	CI around median	0.001	0.004	Standard	No Exceedance
MW-27	USCU	E005	Boron, total	mg/L	02/24/21 - 05/21/24	11	0	CI around mean	1	2	Standard	No Exceedance
MW-27	USCU	E005	Cadmium, total	mg/L	02/24/21 - 05/21/24	11	91	CI around median	0.001	0.005	Standard	No Exceedance
MW-27	USCU	E005	Chloride, total	mg/L	02/24/21 - 05/21/24	11	0	CI around mean	13.6	200	Standard	No Exceedance
MW-27	USCU	E005	Chromium, total	mg/L	02/24/21 - 05/21/24	11	9	CI around geomean	0.00355	0.1	Standard	No Exceedance
MW-27	USCU	E005	Cobalt, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.0024	0.006	Standard	No Exceedance
MW-27	USCU	E005	Fluoride, total	mg/L	02/24/21 - 05/21/24	11	0	CI around median	0.17	4.0	Standard	No Exceedance
MW-27	USCU	E005	Lead, total	mg/L	02/24/21 - 05/21/24	11	9	CI around geomean	0.00173	0.0075	Standard	No Exceedance
MW-27	USCU	E005	Lithium, total	mg/L	02/24/21 - 05/21/24	11	27	CI around geomean	0.00364	0.04	Standard	No Exceedance
MW-27	USCU	E005	Mercury, total	mg/L	02/24/21 - 05/21/24	11	82	CI around median	0.0002	0.002	Standard	No Exceedance
MW-27	USCU	E005	Molybdenum, total	mg/L	02/24/21 - 05/21/24	11	18	CI around geomean	0.00224	0.1	Standard	No Exceedance
MW-27	USCU	E005	pH (field)	SU	02/24/21 - 05/21/24	12	0	CI around mean	6.6/6.9	5.6/9.0	Background/Standard	No Exceedance
MW-27	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.425	5	Standard	No Exceedance
MW-27	USCU	E005	Selenium, total	mg/L	02/24/21 - 05/21/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-27	USCU	E005	Sulfate, total	mg/L	02/24/21 - 05/21/24	11	0	CI around mean	266	400	Standard	No Exceedance
MW-27	USCU	E005	Thallium, total	mg/L	02/24/21 - 05/21/24	11	91	CI around median	0.002	0.002	Standard	No Exceedance
MW-27	USCU	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/21/24	10	0	CI around mean	739	1,200	Standard	No Exceedance
MW-28	UA	E005	Antimony, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-28	UA	E005	Arsenic, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-28	UA	E005	Barium, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	0.0226	2.0	Standard	No Exceedance
MW-28	UA	E005	Beryllium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-28	UA	E005	Boron, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	8.83	2	Standard	Exceedance
MW-28	UA	E005	Cadmium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-28	UA	E005	Chloride, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	12.6	200	Standard	No Exceedance
MW-28	UA	E005	Chromium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E005	Cobalt, total	mg/L	02/24/21 - 05/20/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
MW-28	UA	E005	Fluoride, total	mg/L	02/24/21 - 05/20/24	14	0	CI around median	0.13	4.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-28	UA	E005	Lead, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-28	UA	E005	Lithium, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	0.00618	0.04	Standard	No Exceedance
MW-28	UA	E005	Mercury, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-28	UA	E005	Molybdenum, total	mg/L	02/24/21 - 05/20/24	14	93	CI around median	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E005	pH (field)	SU	02/24/21 - 05/20/24	14	0	CI around mean	6.6/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-28	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/20/24	14	0	CB around linear reg	0.251	5	Standard	No Exceedance
MW-28	UA	E005	Selenium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-28	UA	E005	Sulfate, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	823	400	Standard	Exceedance
MW-28	UA	E005	Thallium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-28	UA	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/20/24	13	0	CI around mean	1,630	1,200	Standard	Exceedance
MW-30	UA	E005	Antimony, total	mg/L	02/25/21 - 05/20/24	14	93	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-30	UA	E005	Arsenic, total	mg/L	02/25/21 - 05/20/24	14	7	CB around linear reg	0.00427	0.010	Standard	No Exceedance
MW-30	UA	E005	Barium, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	0.153	2.0	Standard	No Exceedance
MW-30	UA	E005	Beryllium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-30	UA	E005	Boron, total	mg/L	02/25/21 - 05/20/24	14	0	CI around geomean	1.09	2	Standard	No Exceedance
MW-30	UA	E005	Cadmium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-30	UA	E005	Chloride, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	37.8	200	Standard	No Exceedance
MW-30	UA	E005	Chromium, total	mg/L	02/25/21 - 05/20/24	14	79	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E005	Cobalt, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	0.00207	0.006	Standard	No Exceedance
MW-30	UA	E005	Fluoride, total	mg/L	02/25/21 - 05/20/24	14	0	CB around T-S line	0.323	4.0	Standard	No Exceedance
MW-30	UA	E005	Lead, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-30	UA	E005	Lithium, total	mg/L	02/25/21 - 05/20/24	14	86	CB around T-S line	-0.00594	0.04	Standard	No Exceedance
MW-30	UA	E005	Mercury, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-30	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	29	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E005	pH (field)	SU	02/25/21 - 05/20/24	14	0	CI around mean	6.4/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-30	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/20/24	14	0	CI around geomean	0.576	5	Standard	No Exceedance
MW-30	UA	E005	Selenium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-30	UA	E005	Sulfate, total	mg/L	02/25/21 - 05/20/24	14	43	CB around linear reg	-25.6	400	Standard	No Exceedance
MW-30	UA	E005	Thallium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-30	UA	E005	Total Dissolved Solids	mg/L	02/25/21 - 05/20/24	13	0	CB around linear reg	557	1,200	Standard	No Exceedance
MW-31	UA	E005	Antimony, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-31	UA	E005	Arsenic, total	mg/L	02/24/21 - 05/21/24	14	7	CI around mean	0.00251	0.010	Standard	No Exceedance
MW-31	UA	E005	Barium, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.212	2.0	Standard	No Exceedance
MW-31	UA	E005	Beryllium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-31	UA	E005	Boron, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.243	2	Standard	No Exceedance
MW-31	UA	E005	Cadmium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31	UA	E005	Chloride, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	45.8	200	Standard	No Exceedance
MW-31	UA	E005	Chromium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-31	UA	E005	Cobalt, total	mg/L	02/24/21 - 05/21/24	14	71	CI around median	0.001	0.006	Standard	No Exceedance
MW-31	UA	E005	Fluoride, total	mg/L	02/24/21 - 05/21/24	14	0	CI around median	0.17	4.0	Standard	No Exceedance
MW-31	UA	E005	Lead, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-31	UA	E005	Lithium, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.00458	0.04	Standard	No Exceedance
MW-31	UA	E005	Mercury, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31	UA	E005	Molybdenum, total	mg/L	02/24/21 - 05/21/24	14	57	CB around T-S line	-0.00469	0.1	Standard	No Exceedance
MW-31	UA	E005	pH (field)	SU	02/24/21 - 05/21/24	14	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	14	0	CI around mean	0.593	5	Standard	No Exceedance
MW-31	UA	E005	Selenium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31	UA	E005	Sulfate, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	10	400	Standard	No Exceedance
MW-31	UA	E005	Thallium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31	UA	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/21/24	13	0	CI around mean	581	1,200	Standard	No Exceedance
MW-31S	USCU	E005	Antimony, total	mg/L	02/24/21 - 05/21/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
MW-31S	USCU	E005	Arsenic, total	mg/L	02/24/21 - 05/21/24	13	0	CI around mean	0.00588	0.010	Standard	No Exceedance
MW-31S	USCU	E005	Barium, total	mg/L	02/24/21 - 05/21/24	13	0	CI around geomean	0.207	2.0	Standard	No Exceedance
MW-31S	USCU	E005	Beryllium, total	mg/L	02/24/21 - 05/21/24	13	92	CI around median	0.001	0.004	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-31S	USCU	E005	Boron, total	mg/L	02/24/21 - 05/21/24	13	8	CI around median	0.0362	2	Standard	No Exceedance
MW-31S	USCU	E005	Cadmium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31S	USCU	E005	Chloride, total	mg/L	02/24/21 - 05/21/24	12	0	CI around median	15	200	Standard	No Exceedance
MW-31S	USCU	E005	Chromium, total	mg/L	02/24/21 - 05/21/24	13	54	CI around median	0.0015	0.1	Standard	No Exceedance
MW-31S	USCU	E005	Cobalt, total	mg/L	02/24/21 - 05/21/24	13	0	CI around geomean	0.00266	0.006	Standard	No Exceedance
MW-31S	USCU	E005	Fluoride, total	mg/L	02/24/21 - 05/21/24	12	0	CI around mean	0.217	4.0	Standard	No Exceedance
MW-31S	USCU	E005	Lead, total	mg/L	02/24/21 - 05/21/24	13	38	CI around median	0.001	0.0075	Standard	No Exceedance
MW-31S	USCU	E005	Lithium, total	mg/L	02/24/21 - 05/21/24	13	54	CI around median	0.003	0.04	Standard	No Exceedance
MW-31S	USCU	E005	Mercury, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31S	USCU	E005	Molybdenum, total	mg/L	02/24/21 - 05/21/24	13	38	CI around mean	0.00201	0.1	Standard	No Exceedance
MW-31S	USCU	E005	pH (field)	SU	02/24/21 - 05/21/24	14	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	12	0	CI around mean	0.905	5	Standard	No Exceedance
MW-31S	USCU	E005	Selenium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31S	USCU	E005	Sulfate, total	mg/L	02/24/21 - 05/21/24	12	17	CB around linear reg	-85.2	400	Standard	No Exceedance
MW-31S	USCU	E005	Thallium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31S	USCU	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/21/24	11	0	CB around linear reg	583	1,200	Standard	No Exceedance
MW-32	UA	E005	Antimony, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-32	UA	E005	Arsenic, total	mg/L	02/25/21 - 05/20/24	14	93	CI around median	0.001	0.010	Standard	No Exceedance
MW-32	UA	E005	Barium, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	0.028	2.0	Standard	No Exceedance
MW-32	UA	E005	Beryllium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-32	UA	E005	Boron, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	1.53	2	Standard	No Exceedance
MW-32	UA	E005	Cadmium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-32	UA	E005	Chloride, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	9.41	200	Standard	No Exceedance
MW-32	UA	E005	Chromium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E005	Cobalt, total	mg/L	02/25/21 - 05/20/24	14	79	CI around median	0.001	0.006	Standard	No Exceedance
MW-32	UA	E005	Fluoride, total	mg/L	02/25/21 - 05/20/24	14	0	CI around median	0.17	4.0	Standard	No Exceedance
MW-32	UA	E005	Lead, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-32	UA	E005	Lithium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-32	UA	E005	Mercury, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-32	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E005	pH (field)	SU	02/25/21 - 05/20/24	14	0	CI around mean	6.3/6.5	5.6/9.0	Background/Standard	No Exceedance
MW-32	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/20/24	14	0	CI around mean	0.155	5	Standard	No Exceedance
MW-32	UA	E005	Selenium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-32	UA	E005	Sulfate, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	314	400	Standard	No Exceedance
MW-32	UA	E005	Thallium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-32	UA	E005	Total Dissolved Solids	mg/L	02/25/21 - 05/20/24	13	0	CB around linear reg	998	1,200	Standard	No Exceedance
PZ-4C	UA	E005	Antimony, total	mg/L	02/25/21 - 05/21/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E005	Arsenic, total	mg/L	02/25/21 - 05/21/24	13	38	CI around median	0.001	0.010	Standard	No Exceedance
PZ-4C	UA	E005	Barium, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	0.25	2.0	Standard	No Exceedance
PZ-4C	UA	E005	Beryllium, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.001	0.004	Standard	No Exceedance
PZ-4C	UA	E005	Boron, total	mg/L	02/25/21 - 05/21/24	13	0	CI around mean	1.39	2	Standard	No Exceedance
PZ-4C	UA	E005	Cadmium, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.001	0.005	Standard	No Exceedance
PZ-4C	UA	E005	Chloride, total	mg/L	02/25/21 - 05/21/24	13	0	CB around linear reg	30.4	200	Standard	No Exceedance
PZ-4C	UA	E005	Chromium, total	mg/L	02/25/21 - 05/21/24	13	38	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E005	Cobalt, total	mg/L	02/25/21 - 05/21/24	13	77	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E005	Fluoride, total	mg/L	02/25/21 - 05/21/24	13	0	CI around mean	0.379	4.0	Standard	No Exceedance
PZ-4C	UA	E005	Lead, total	mg/L	02/25/21 - 05/21/24	13	62	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-4C	UA	E005	Lithium, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	0.0068	0.04	Standard	No Exceedance
PZ-4C	UA	E005	Mercury, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
PZ-4C	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/21/24	13	77	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E005	pH (field)	SU	02/25/21 - 05/21/24	13	0	CI around mean	6.6/7.1	5.6/9.0	Background/Standard	No Exceedance
PZ-4C	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/21/24	13	0	CI around geomean	0.567	5	Standard	No Exceedance
PZ-4C	UA	E005	Selenium, total	mg/L	02/25/21 - 05/21/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-4C	UA	E005	Sulfate, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	67	400	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-4C	UA	E005	Thallium, total	mg/L	02/25/21 - 05/21/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-4C	UA	E005	Total Dissolved Solids	mg/L	02/25/21 - 05/21/24	12	0	CI around mean	541	1,200	Standard	No Exceedance

Notes:
- = no data available
Compliance Result:
No Exceedance: the statistical result did not exceed the GWPS.
Exceedance: The statistical result exceeded the GWPS.
HSU = hydrostratigraphic unit:
UA = Uppermost Aquifer
USCU = Upper Semi-Confining Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:
Standard = standard specified in 35 I.A.C. § 845.600(a)(1)
Background = background concentration (see cover page for additional information)

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-3	UA	E006	Antimony, total	mg/L	12/15/15 - 08/19/24	29	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-3	UA	E006	Barium, total	mg/L	12/15/15 - 08/19/24	29	0	CI around median	0.0453	2.0	Standard	No Exceedance
MW-3	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-3	UA	E006	Boron, total	mg/L	12/15/15 - 08/19/24	29	0	CI around median	1.56	2	Standard	No Exceedance
MW-3	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-3	UA	E006	Chloride, total	mg/L	12/15/15 - 08/19/24	29	0	CB around linear reg	27.1	200	Standard	No Exceedance
MW-3	UA	E006	Chromium, total	mg/L	12/15/15 - 08/19/24	29	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/19/24	29	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/19/24	29	3	CI around mean	0.242	4.0	Standard	No Exceedance
MW-3	UA	E006	Lead, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-3	UA	E006	Lithium, total	mg/L	02/25/21 - 08/19/24	15	93	CI around median	0.003	0.04	Standard	No Exceedance
MW-3	UA	E006	Mercury, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-3	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/19/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E006	pH (field)	SU	12/15/15 - 08/19/24	29	0	CB around linear reg	6.4/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-3	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 08/19/24	25	0	CI around median	0.271	5	Standard	No Exceedance
MW-3	UA	E006	Selenium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-3	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/19/24	29	0	CB around linear reg	113	400	Standard	No Exceedance
MW-3	UA	E006	Thallium, total	mg/L	12/15/15 - 08/19/24	29	97	CB around T-S line	0.002	0.002	Standard	No Exceedance
MW-3	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/19/24	29	0	CB around linear reg	539	1,200	Standard	No Exceedance
MW-5	UA	E006	Antimony, total	mg/L	12/15/15 - 08/19/24	31	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-5	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/19/24	33	82	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-5	UA	E006	Barium, total	mg/L	12/15/15 - 08/19/24	33	0	CB around T-S line	0.147	2.0	Standard	No Exceedance
MW-5	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/19/24	31	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-5	UA	E006	Boron, total	mg/L	12/15/15 - 08/19/24	33	0	CI around mean	0.529	2	Standard	No Exceedance
MW-5	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/19/24	30	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-5	UA	E006	Chloride, total	mg/L	12/15/15 - 08/19/24	33	0	CB around linear reg	44.7	200	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-5	UA	E006	Chromium, total	mg/L	12/15/15 - 08/19/24	33	90	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-5	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/19/24	33	84	CI around median	0.001	0.006	Standard	No Exceedance
MW-5	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/19/24	33	5	CB around T-S line	0.16	4.0	Standard	No Exceedance
MW-5	UA	E006	Lead, total	mg/L	12/15/15 - 08/19/24	33	90	CI around median	0.001	0.0075	Standard	No Exceedance
MW-5	UA	E006	Lithium, total	mg/L	12/15/15 - 08/19/24	25	32	CB around T-S line	0.003	0.04	Standard	No Exceedance
MW-5	UA	E006	Mercury, total	mg/L	12/15/15 - 08/19/24	30	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-5	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/19/24	25	96	CB around T-S line	0.00145	0.1	Standard	No Exceedance
MW-5	UA	E006	pH (field)	SU	12/15/15 - 08/19/24	33	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-5	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/19/24	34	0	CI around median	0.3	5	Standard	No Exceedance
MW-5	UA	E006	Selenium, total	mg/L	12/15/15 - 08/19/24	33	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-5	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/19/24	33	34	CI around median	10	400	Standard	No Exceedance
MW-5	UA	E006	Thallium, total	mg/L	12/15/15 - 08/19/24	30	97	CB around T-S line	0.00195	0.002	Standard	No Exceedance
MW-5	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/19/24	33	0	CB around linear reg	716	1,200	Standard	No Exceedance
MW-6	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-6	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0381	2.0	Standard	No Exceedance
MW-6	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-6	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	0.968	2	Standard	No Exceedance
MW-6	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-6	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	55	CB around T-S line	2.45	200	Standard	No Exceedance
MW-6	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	84	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-6	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-6	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CB around linear reg	0.197	4.0	Standard	No Exceedance
MW-6	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-6	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	84	CB around T-S line	0.00287	0.04	Standard	No Exceedance
MW-6	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-6	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-6	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.3/6.5	5.6/9.0	Background/Standard	No Exceedance
MW-6	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.417	5	Standard	No Exceedance
MW-6	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	92	CI around median	0.001	0.05	Standard	No Exceedance
MW-6	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	70.3	400	Standard	No Exceedance
MW-6	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-6	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	491	1,200	Standard	No Exceedance
MW-7	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-7	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	68	CI around median	0.001	0.010	Standard	No Exceedance
MW-7	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	0.0473	2.0	Standard	No Exceedance
MW-7	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	0.232	2	Standard	No Exceedance
MW-7	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	74	CI around median	4	200	Standard	No Exceedance
MW-7	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	95	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-7	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	79	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-7	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around mean	0.254	4.0	Standard	No Exceedance
MW-7	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-7	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	44	CI around median	0.003	0.04	Standard	No Exceedance
MW-7	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	4	CI around mean	0.00252	0.1	Standard	No Exceedance
MW-7	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.7/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-7	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around geomean	0.474	5	Standard	No Exceedance
MW-7	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CI around geomean	178	400	Standard	No Exceedance
MW-7	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	580	1,200	Standard	No Exceedance
MW-7S	USCU	E006	Antimony, total	mg/L	02/24/21 - 08/20/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-7S	USCU	E006	Arsenic, total	mg/L	02/24/21 - 08/20/24	13	0	CI around median	0.0069	0.010	Standard	No Exceedance
MW-7S	USCU	E006	Barium, total	mg/L	02/24/21 - 08/20/24	13	0	CI around median	0.0402	2.0	Standard	No Exceedance
MW-7S	USCU	E006	Beryllium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7S	USCU	E006	Boron, total	mg/L	02/24/21 - 08/20/24	13	0	CI around mean	3.91	2	Standard	Exceedance
MW-7S	USCU	E006	Cadmium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7S	USCU	E006	Chloride, total	mg/L	02/24/21 - 08/20/24	13	0	CB around linear reg	6.7	200	Standard	No Exceedance
MW-7S	USCU	E006	Chromium, total	mg/L	02/24/21 - 08/20/24	13	54	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E006	Cobalt, total	mg/L	02/24/21 - 08/20/24	13	15	CI around geomean	0.00106	0.006	Standard	No Exceedance
MW-7S	USCU	E006	Fluoride, total	mg/L	02/24/21 - 08/20/24	13	8	CB around linear reg	0.245	4.0	Standard	No Exceedance
MW-7S	USCU	E006	Lead, total	mg/L	02/24/21 - 08/20/24	13	77	CI around median	0.001	0.0075	Standard	No Exceedance
MW-7S	USCU	E006	Lithium, total	mg/L	02/24/21 - 08/20/24	13	92	CI around median	0.003	0.04	Standard	No Exceedance
MW-7S	USCU	E006	Mercury, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7S	USCU	E006	Molybdenum, total	mg/L	02/24/21 - 08/20/24	13	69	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E006	pH (field)	SU	02/24/21 - 08/20/24	13	0	CI around median	6.6/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-7S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/20/24	13	0	CI around mean	0.235	5	Standard	No Exceedance
MW-7S	USCU	E006	Selenium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7S	USCU	E006	Sulfate, total	mg/L	02/24/21 - 08/20/24	13	0	CI around mean	432	400	Standard	Exceedance
MW-7S	USCU	E006	Thallium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7S	USCU	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/20/24	12	0	CI around median	486	1,200	Standard	No Exceedance
MW-8	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-8	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-8	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0199	2.0	Standard	No Exceedance
MW-8	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-8	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around median	0.938	2	Standard	No Exceedance
MW-8	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-8	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	0	CB around T-S line	13.3	200	Standard	No Exceedance
MW-8	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	26	CI around geomean	0.00102	0.006	Standard	No Exceedance
MW-8	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CB around T-S line	0.217	4.0	Standard	No Exceedance
MW-8	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-8	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	56	CB around T-S line	0.00296	0.04	Standard	No Exceedance
MW-8	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-8	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-8	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.4/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-8	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.21	5	Standard	No Exceedance
MW-8	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-8	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	199	400	Standard	No Exceedance
MW-8	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-8	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	765	1,200	Standard	No Exceedance
MW-8S	USCU	E006	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
MW-8S	USCU	E006	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.010	Standard	--
MW-8S	USCU	E006	Barium, total	mg/L	--	--	--	--	NS ⁷	2.0	Standard	--
MW-8S	USCU	E006	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.004	Standard	--
MW-8S	USCU	E006	Boron, total	mg/L	--	--	--	--	NS ⁷	2	Standard	--
MW-8S	USCU	E006	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.005	Standard	--
MW-8S	USCU	E006	Chloride, total	mg/L	--	--	--	--	NS ⁷	200	Standard	--
MW-8S	USCU	E006	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
MW-8S	USCU	E006	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.006	Standard	--
MW-8S	USCU	E006	Fluoride, total	mg/L	--	--	--	--	NS ⁷	4.0	Standard	--
MW-8S	USCU	E006	Lead, total	mg/L	--	--	--	--	NS ⁷	0.0075	Standard	--
MW-8S	USCU	E006	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.04	Standard	--
MW-8S	USCU	E006	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
MW-8S	USCU	E006	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.1	Standard	--
MW-8S	USCU	E006	pH (field)	SU	--	--	--	--	NS ⁷	5.6/9.0	Background/Standard	--

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	5	Standard	--
MW-8S	USCU	E006	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.05	Standard	--
MW-8S	USCU	E006	Sulfate, total	mg/L	--	--	--	--	NS ⁷	400	Standard	--
MW-8S	USCU	E006	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002	Standard	--
MW-8S	USCU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	1,200	Standard	--
MW-11	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	27	CI around median	0.0011	0.010	Standard	No Exceedance
MW-11	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.109	2.0	Standard	No Exceedance
MW-11	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-11	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	1.55	2	Standard	No Exceedance
MW-11	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-11	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	0	CB around T-S line	28.9	200	Standard	No Exceedance
MW-11	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-11	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	94	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around median	0.48	4.0	Standard	No Exceedance
MW-11	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-11	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	48	CB around linear reg	0.00288	0.04	Standard	No Exceedance
MW-11	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-11	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	4	CI around median	0.0021	0.1	Standard	No Exceedance
MW-11	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-11	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around mean	0.564	5	Standard	No Exceedance
MW-11	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	67	CI around median	0.001	0.05	Standard	No Exceedance
MW-11	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	109	400	Standard	No Exceedance
MW-11	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-11	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	627	1,200	Standard	No Exceedance
MW-12	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-12	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	91	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-12	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0617	2.0	Standard	No Exceedance
MW-12	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-12	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	2.72	2	Standard	Exceedance
MW-12	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-12	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	20.2	200	Standard	No Exceedance
MW-12	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-12	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around median	0.18	4.0	Standard	No Exceedance
MW-12	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-12	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	0	CI around mean	0.00855	0.04	Standard	No Exceedance
MW-12	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-12	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	84	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-12	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.45	5	Standard	No Exceedance
MW-12	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.05	Standard	No Exceedance
MW-12	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	363	400	Standard	No Exceedance
MW-12	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-12	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	1,080	1,200	Standard	No Exceedance
MW-20	UA	E006	Antimony, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-20	UA	E006	Arsenic, total	mg/L	02/26/21 - 08/21/24	15	53	CI around median	0.001	0.010	Standard	No Exceedance
MW-20	UA	E006	Barium, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	0.0661	2.0	Standard	No Exceedance
MW-20	UA	E006	Beryllium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20	UA	E006	Boron, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	0.602	2	Standard	No Exceedance
MW-20	UA	E006	Cadmium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20	UA	E006	Chloride, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	18.6	200	Standard	No Exceedance
MW-20	UA	E006	Chromium, total	mg/L	02/26/21 - 08/21/24	15	87	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20	UA	E006	Cobalt, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20	UA	E006	Fluoride, total	mg/L	02/26/21 - 08/21/24	15	7	CB around linear reg	0.276	4.0	Standard	No Exceedance
MW-20	UA	E006	Lead, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20	UA	E006	Lithium, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	-0.00312	0.04	Standard	No Exceedance
MW-20	UA	E006	Mercury, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20	UA	E006	Molybdenum, total	mg/L	02/26/21 - 08/21/24	15	7	CB around linear reg	-0.000219	0.1	Standard	No Exceedance
MW-20	UA	E006	pH (field)	SU	02/26/21 - 08/21/24	15	0	CI around mean	6.8/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-20	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/21/24	15	0	CI around mean	0.284	5	Standard	No Exceedance
MW-20	UA	E006	Selenium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20	UA	E006	Sulfate, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	145	400	Standard	No Exceedance
MW-20	UA	E006	Thallium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20	UA	E006	Total Dissolved Solids	mg/L	02/26/21 - 08/21/24	14	0	CB around linear reg	658	1,200	Standard	No Exceedance
MW-20S	USCU	E006	Antimony, total	mg/L	02/26/21 - 08/20/24	15	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E006	Arsenic, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-20S	USCU	E006	Barium, total	mg/L	02/26/21 - 08/20/24	15	7	CI around median	0.0346	2.0	Standard	No Exceedance
MW-20S	USCU	E006	Beryllium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20S	USCU	E006	Boron, total	mg/L	02/26/21 - 08/20/24	15	0	CB around linear reg	1.37	2	Standard	No Exceedance
MW-20S	USCU	E006	Cadmium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20S	USCU	E006	Chloride, total	mg/L	02/26/21 - 08/20/24	15	0	CI around mean	17.7	200	Standard	No Exceedance
MW-20S	USCU	E006	Chromium, total	mg/L	02/26/21 - 08/20/24	15	93	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E006	Cobalt, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E006	Fluoride, total	mg/L	02/26/21 - 08/20/24	15	7	CI around mean	0.177	4.0	Standard	No Exceedance
MW-20S	USCU	E006	Lead, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20S	USCU	E006	Lithium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-20S	USCU	E006	Mercury, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20S	USCU	E006	Molybdenum, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E006	pH (field)	SU	02/26/21 - 08/20/24	15	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-20S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/20/24	15	0	CI around mean	0.179	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20S	USCU	E006	Selenium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20S	USCU	E006	Sulfate, total	mg/L	02/26/21 - 08/20/24	15	0	CB around linear reg	328	400	Standard	No Exceedance
MW-20S	USCU	E006	Thallium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20S	USCU	E006	Total Dissolved Solids	mg/L	02/26/21 - 08/20/24	14	0	CB around linear reg	961	1,200	Standard	No Exceedance
MW-23	UA	E006	Antimony, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-23	UA	E006	Arsenic, total	mg/L	02/26/21 - 08/21/24	15	40	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-23	UA	E006	Barium, total	mg/L	02/26/21 - 08/21/24	15	0	CI around mean	0.0855	2.0	Standard	No Exceedance
MW-23	UA	E006	Beryllium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-23	UA	E006	Boron, total	mg/L	02/26/21 - 08/21/24	15	0	CI around median	1.95	2	Standard	No Exceedance
MW-23	UA	E006	Cadmium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-23	UA	E006	Chloride, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	23.8	200	Standard	No Exceedance
MW-23	UA	E006	Chromium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E006	Cobalt, total	mg/L	02/26/21 - 08/21/24	15	40	CI around median	0.001	0.006	Standard	No Exceedance
MW-23	UA	E006	Fluoride, total	mg/L	02/26/21 - 08/21/24	15	7	CI around mean	0.328	4.0	Standard	No Exceedance
MW-23	UA	E006	Lead, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-23	UA	E006	Lithium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-23	UA	E006	Mercury, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-23	UA	E006	Molybdenum, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E006	pH (field)	SU	02/26/21 - 08/21/24	15	0	CI around mean	6.6/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-23	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/21/24	15	0	CI around mean	0.263	5	Standard	No Exceedance
MW-23	UA	E006	Selenium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-23	UA	E006	Sulfate, total	mg/L	02/26/21 - 08/21/24	15	0	CI around mean	42.1	400	Standard	No Exceedance
MW-23	UA	E006	Thallium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-23	UA	E006	Total Dissolved Solids	mg/L	02/26/21 - 08/21/24	14	0	CI around mean	585	1,200	Standard	No Exceedance
MW-27	USCU	E006	Antimony, total	mg/L	02/24/21 - 08/21/24	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-27	USCU	E006	Arsenic, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.00376	0.010	Standard	No Exceedance
MW-27	USCU	E006	Barium, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.0895	2.0	Standard	No Exceedance

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EVALUATION OF COMPLIANCE - QUARTER 3, 2024
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-27	USCU	E006	Beryllium, total	mg/L	02/24/21 - 08/21/24	12	75	CI around median	0.001	0.004	Standard	No Exceedance
MW-27	USCU	E006	Boron, total	mg/L	02/24/21 - 08/21/24	12	0	CI around mean	0.944	2	Standard	No Exceedance
MW-27	USCU	E006	Cadmium, total	mg/L	02/24/21 - 08/21/24	12	92	CI around median	0.001	0.005	Standard	No Exceedance
MW-27	USCU	E006	Chloride, total	mg/L	02/24/21 - 08/21/24	12	0	CI around mean	13	200	Standard	No Exceedance
MW-27	USCU	E006	Chromium, total	mg/L	02/24/21 - 08/21/24	12	8	CI around geomean	0.00346	0.1	Standard	No Exceedance
MW-27	USCU	E006	Cobalt, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.0025	0.006	Standard	No Exceedance
MW-27	USCU	E006	Fluoride, total	mg/L	02/24/21 - 08/21/24	12	8	CI around median	0.17	4.0	Standard	No Exceedance
MW-27	USCU	E006	Lead, total	mg/L	02/24/21 - 08/21/24	12	8	CI around geomean	0.00161	0.0075	Standard	No Exceedance
MW-27	USCU	E006	Lithium, total	mg/L	02/24/21 - 08/21/24	12	25	CI around geomean	0.00358	0.04	Standard	No Exceedance
MW-27	USCU	E006	Mercury, total	mg/L	02/24/21 - 08/21/24	12	83	CI around median	0.0002	0.002	Standard	No Exceedance
MW-27	USCU	E006	Molybdenum, total	mg/L	02/24/21 - 08/21/24	12	17	CI around geomean	0.00227	0.1	Standard	No Exceedance
MW-27	USCU	E006	pH (field)	SU	02/24/21 - 08/21/24	13	0	CI around mean	6.6/6.9	5.6/9.0	Background/Standard	No Exceedance
MW-27	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.461	5	Standard	No Exceedance
MW-27	USCU	E006	Selenium, total	mg/L	02/24/21 - 08/21/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-27	USCU	E006	Sulfate, total	mg/L	02/24/21 - 08/21/24	12	0	CB around linear reg	301	400	Standard	No Exceedance
MW-27	USCU	E006	Thallium, total	mg/L	02/24/21 - 08/21/24	12	92	CI around median	0.002	0.002	Standard	No Exceedance
MW-27	USCU	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/21/24	11	0	CI around mean	769	1,200	Standard	No Exceedance
MW-28	UA	E006	Antimony, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-28	UA	E006	Arsenic, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-28	UA	E006	Barium, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	0.0228	2.0	Standard	No Exceedance
MW-28	UA	E006	Beryllium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-28	UA	E006	Boron, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	8.73	2	Standard	Exceedance
MW-28	UA	E006	Cadmium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-28	UA	E006	Chloride, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	12.1	200	Standard	No Exceedance
MW-28	UA	E006	Chromium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E006	Cobalt, total	mg/L	02/24/21 - 08/20/24	15	87	CI around median	0.001	0.006	Standard	No Exceedance
MW-28	UA	E006	Fluoride, total	mg/L	02/24/21 - 08/20/24	15	7	CI around median	0.13	4.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-28	UA	E006	Lead, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-28	UA	E006	Lithium, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	0.00616	0.04	Standard	No Exceedance
MW-28	UA	E006	Mercury, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-28	UA	E006	Molybdenum, total	mg/L	02/24/21 - 08/20/24	15	93	CI around median	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E006	pH (field)	SU	02/24/21 - 08/20/24	15	0	CI around mean	6.6/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-28	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/20/24	15	0	CB around linear reg	0.336	5	Standard	No Exceedance
MW-28	UA	E006	Selenium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-28	UA	E006	Sulfate, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	827	400	Standard	Exceedance
MW-28	UA	E006	Thallium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-28	UA	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/20/24	14	0	CI around mean	1,650	1,200	Standard	Exceedance
MW-30	UA	E006	Antimony, total	mg/L	02/25/21 - 08/20/24	15	93	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-30	UA	E006	Arsenic, total	mg/L	02/25/21 - 08/20/24	15	7	CB around linear reg	0.00561	0.010	Standard	No Exceedance
MW-30	UA	E006	Barium, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	0.154	2.0	Standard	No Exceedance
MW-30	UA	E006	Beryllium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-30	UA	E006	Boron, total	mg/L	02/25/21 - 08/20/24	15	0	CI around median	1.09	2	Standard	No Exceedance
MW-30	UA	E006	Cadmium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-30	UA	E006	Chloride, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	36.9	200	Standard	No Exceedance
MW-30	UA	E006	Chromium, total	mg/L	02/25/21 - 08/20/24	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E006	Cobalt, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	0.00202	0.006	Standard	No Exceedance
MW-30	UA	E006	Fluoride, total	mg/L	02/25/21 - 08/20/24	15	7	CB around T-S line	0.26	4.0	Standard	No Exceedance
MW-30	UA	E006	Lead, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-30	UA	E006	Lithium, total	mg/L	02/25/21 - 08/20/24	15	87	CB around T-S line	-0.000404	0.04	Standard	No Exceedance
MW-30	UA	E006	Mercury, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-30	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/20/24	15	33	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E006	pH (field)	SU	02/25/21 - 08/20/24	15	0	CB around linear reg	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-30	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/20/24	15	0	CI around geomean	0.591	5	Standard	No Exceedance
MW-30	UA	E006	Selenium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-30	UA	E006	Sulfate, total	mg/L	02/25/21 - 08/20/24	15	47	CB around linear reg	-23.5	400	Standard	No Exceedance
MW-30	UA	E006	Thallium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-30	UA	E006	Total Dissolved Solids	mg/L	02/25/21 - 08/20/24	14	0	CB around T-S line	446	1,200	Standard	No Exceedance
MW-31	UA	E006	Antimony, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-31	UA	E006	Arsenic, total	mg/L	02/24/21 - 08/21/24	15	7	CI around mean	0.00248	0.010	Standard	No Exceedance
MW-31	UA	E006	Barium, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.213	2.0	Standard	No Exceedance
MW-31	UA	E006	Beryllium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-31	UA	E006	Boron, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.238	2	Standard	No Exceedance
MW-31	UA	E006	Cadmium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31	UA	E006	Chloride, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	45.5	200	Standard	No Exceedance
MW-31	UA	E006	Chromium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-31	UA	E006	Cobalt, total	mg/L	02/24/21 - 08/21/24	15	73	CI around median	0.001	0.006	Standard	No Exceedance
MW-31	UA	E006	Fluoride, total	mg/L	02/24/21 - 08/21/24	15	7	CI around median	0.17	4.0	Standard	No Exceedance
MW-31	UA	E006	Lead, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-31	UA	E006	Lithium, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.00455	0.04	Standard	No Exceedance
MW-31	UA	E006	Mercury, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31	UA	E006	Molybdenum, total	mg/L	02/24/21 - 08/21/24	15	60	CB around T-S line	-0.00475	0.1	Standard	No Exceedance
MW-31	UA	E006	pH (field)	SU	02/24/21 - 08/21/24	15	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	15	0	CI around mean	0.6	5	Standard	No Exceedance
MW-31	UA	E006	Selenium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31	UA	E006	Sulfate, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	10	400	Standard	No Exceedance
MW-31	UA	E006	Thallium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31	UA	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/21/24	14	0	CI around mean	568	1,200	Standard	No Exceedance
MW-31S	USCU	E006	Antimony, total	mg/L	02/24/21 - 08/21/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
MW-31S	USCU	E006	Arsenic, total	mg/L	02/24/21 - 08/21/24	14	0	CI around mean	0.00654	0.010	Standard	No Exceedance
MW-31S	USCU	E006	Barium, total	mg/L	02/24/21 - 08/21/24	14	0	CI around geomean	0.211	2.0	Standard	No Exceedance
MW-31S	USCU	E006	Beryllium, total	mg/L	02/24/21 - 08/21/24	14	93	CI around median	0.001	0.004	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-31S	USCU	E006	Boron, total	mg/L	02/24/21 - 08/21/24	14	7	CI around geomean	0.0341	2	Standard	No Exceedance
MW-31S	USCU	E006	Cadmium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31S	USCU	E006	Chloride, total	mg/L	02/24/21 - 08/21/24	13	0	CI around median	15	200	Standard	No Exceedance
MW-31S	USCU	E006	Chromium, total	mg/L	02/24/21 - 08/21/24	14	57	CI around median	0.0015	0.1	Standard	No Exceedance
MW-31S	USCU	E006	Cobalt, total	mg/L	02/24/21 - 08/21/24	14	0	CI around geomean	0.00238	0.006	Standard	No Exceedance
MW-31S	USCU	E006	Fluoride, total	mg/L	02/24/21 - 08/21/24	13	8	CI around mean	0.22	4.0	Standard	No Exceedance
MW-31S	USCU	E006	Lead, total	mg/L	02/24/21 - 08/21/24	14	43	CI around median	0.001	0.0075	Standard	No Exceedance
MW-31S	USCU	E006	Lithium, total	mg/L	02/24/21 - 08/21/24	14	57	CI around median	0.003	0.04	Standard	No Exceedance
MW-31S	USCU	E006	Mercury, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31S	USCU	E006	Molybdenum, total	mg/L	02/24/21 - 08/21/24	14	43	CB around linear reg	-0.000667	0.1	Standard	No Exceedance
MW-31S	USCU	E006	pH (field)	SU	02/24/21 - 08/21/24	15	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	13	0	CI around mean	0.919	5	Standard	No Exceedance
MW-31S	USCU	E006	Selenium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31S	USCU	E006	Sulfate, total	mg/L	02/24/21 - 08/21/24	13	23	CB around linear reg	-77.9	400	Standard	No Exceedance
MW-31S	USCU	E006	Thallium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31S	USCU	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/21/24	12	0	CB around linear reg	577	1,200	Standard	No Exceedance
MW-32	UA	E006	Antimony, total	mg/L	02/25/21 - 08/20/24	15	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-32	UA	E006	Arsenic, total	mg/L	02/25/21 - 08/20/24	15	93	CI around median	0.001	0.010	Standard	No Exceedance
MW-32	UA	E006	Barium, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	0.0273	2.0	Standard	No Exceedance
MW-32	UA	E006	Beryllium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-32	UA	E006	Boron, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	1.53	2	Standard	No Exceedance
MW-32	UA	E006	Cadmium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-32	UA	E006	Chloride, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	9.25	200	Standard	No Exceedance
MW-32	UA	E006	Chromium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E006	Cobalt, total	mg/L	02/25/21 - 08/20/24	15	80	CI around median	0.001	0.006	Standard	No Exceedance
MW-32	UA	E006	Fluoride, total	mg/L	02/25/21 - 08/20/24	15	7	CI around median	0.17	4.0	Standard	No Exceedance
MW-32	UA	E006	Lead, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-32	UA	E006	Lithium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-32	UA	E006	Mercury, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-32	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E006	pH (field)	SU	02/25/21 - 08/20/24	15	0	CI around mean	6.3/6.5	5.6/9.0	Background/Standard	No Exceedance
MW-32	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/20/24	15	0	CI around median	0.149	5	Standard	No Exceedance
MW-32	UA	E006	Selenium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-32	UA	E006	Sulfate, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	307	400	Standard	No Exceedance
MW-32	UA	E006	Thallium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-32	UA	E006	Total Dissolved Solids	mg/L	02/25/21 - 08/20/24	14	0	CB around linear reg	987	1,200	Standard	No Exceedance
PZ-4C	UA	E006	Antimony, total	mg/L	02/25/21 - 08/21/24	14	86	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E006	Arsenic, total	mg/L	02/25/21 - 08/21/24	14	36	CI around median	0.001	0.010	Standard	No Exceedance
PZ-4C	UA	E006	Barium, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	0.25	2.0	Standard	No Exceedance
PZ-4C	UA	E006	Beryllium, total	mg/L	02/25/21 - 08/21/24	14	93	CI around median	0.001	0.004	Standard	No Exceedance
PZ-4C	UA	E006	Boron, total	mg/L	02/25/21 - 08/21/24	14	0	CI around mean	1.38	2	Standard	No Exceedance
PZ-4C	UA	E006	Cadmium, total	mg/L	02/25/21 - 08/21/24	14	93	CI around median	0.001	0.005	Standard	No Exceedance
PZ-4C	UA	E006	Chloride, total	mg/L	02/25/21 - 08/21/24	14	0	CB around linear reg	30.5	200	Standard	No Exceedance
PZ-4C	UA	E006	Chromium, total	mg/L	02/25/21 - 08/21/24	14	36	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E006	Cobalt, total	mg/L	02/25/21 - 08/21/24	14	71	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E006	Fluoride, total	mg/L	02/25/21 - 08/21/24	14	7	CI around median	0.38	4.0	Standard	No Exceedance
PZ-4C	UA	E006	Lead, total	mg/L	02/25/21 - 08/21/24	14	57	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-4C	UA	E006	Lithium, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	0.0068	0.04	Standard	No Exceedance
PZ-4C	UA	E006	Mercury, total	mg/L	02/25/21 - 08/21/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
PZ-4C	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/21/24	14	79	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E006	pH (field)	SU	02/25/21 - 08/21/24	14	0	CI around mean	6.7/7.0	5.6/9.0	Background/Standard	No Exceedance
PZ-4C	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/21/24	14	0	CI around geomean	0.597	5	Standard	No Exceedance
PZ-4C	UA	E006	Selenium, total	mg/L	02/25/21 - 08/21/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-4C	UA	E006	Sulfate, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	65.3	400	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-4C	UA	E006	Thallium, total	mg/L	02/25/21 - 08/21/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-4C	UA	E006	Total Dissolved Solids	mg/L	02/25/21 - 08/21/24	13	0	CI around mean	544	1,200	Standard	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:

UA = Uppermost Aquifer

USCU = Upper Semi-Confining Unit

mg/L = milligrams per liter

Missing Code (if applicable):

NR¹ = Select parameters were not analyzed.

NS¹ = This well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance, therefore, a sample was not collected.

NS³ = A sample was not collected because the location was inaccessible.

NS⁴ = The location could not be found, therefore a sample was not collected.

NS⁵ = A sample was not collected because of damage to the well.

NS⁶ = A sample was not collected because of pump issues.

NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.

NS⁸ = A sample was not collected.

PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range

For pH, the values presented are the lower / upper limits

GWPS = Groundwater Protection Standard

GWPS Source:

Background = background concentration

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

FIGURES



- BACKGROUND WELL
- COMPLIANCE WELL
- STAFF GAGE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 250 500 Feet

MONITORING WELL LOCATION MAP

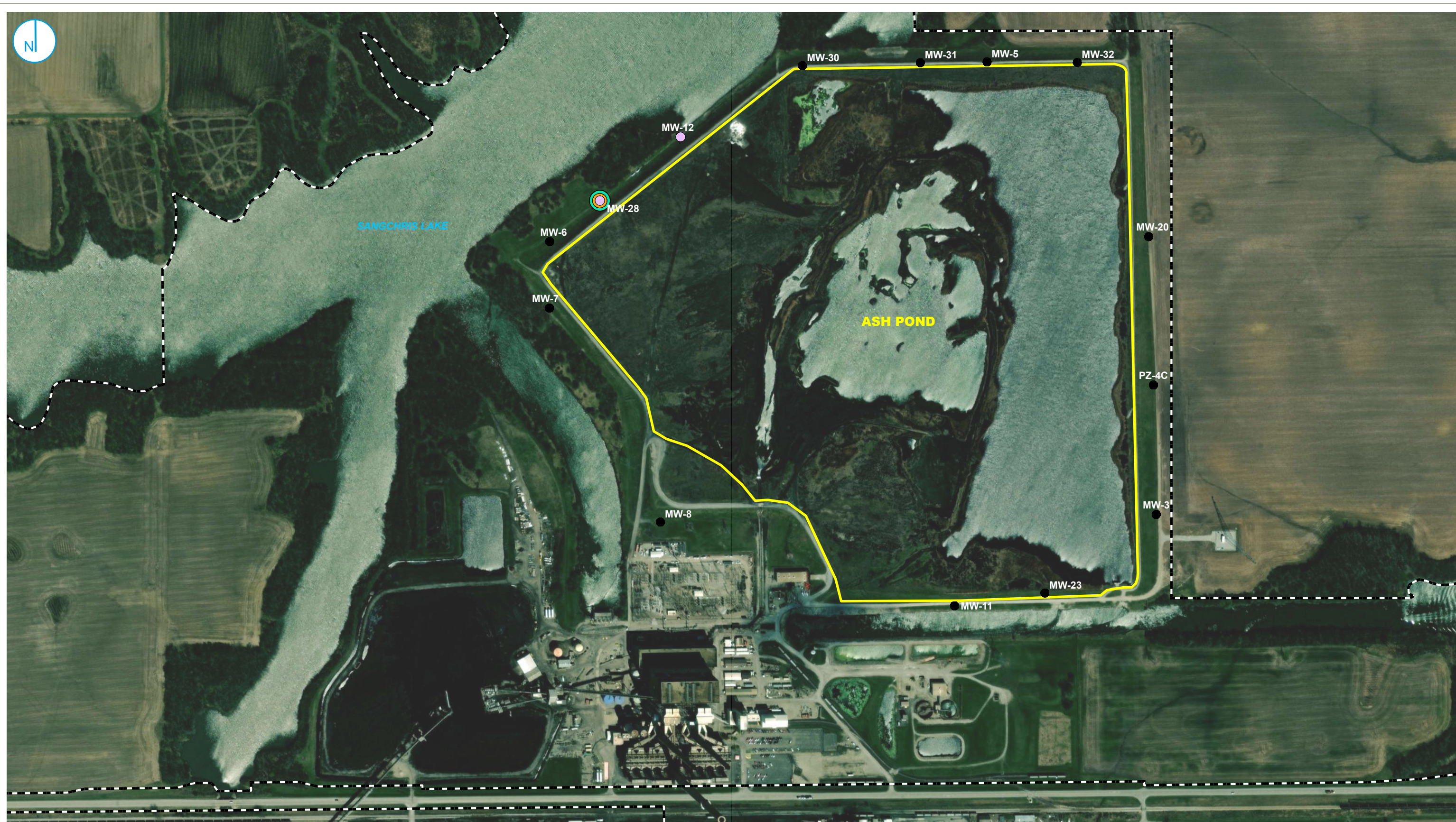
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- TOTAL BORON EXCEEDANCE
- TOTAL SULFATE EXCEEDANCE
- TOTAL DISSOLVED SOLIDS EXCEEDANCE
- COMPLIANCE WELL WITHOUT EXCEEDANCE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 250 500
Feet

GWPS EXCEEDANCE MAP UPPERMOST AQUIFER - QUARTERS 1-3, 2024

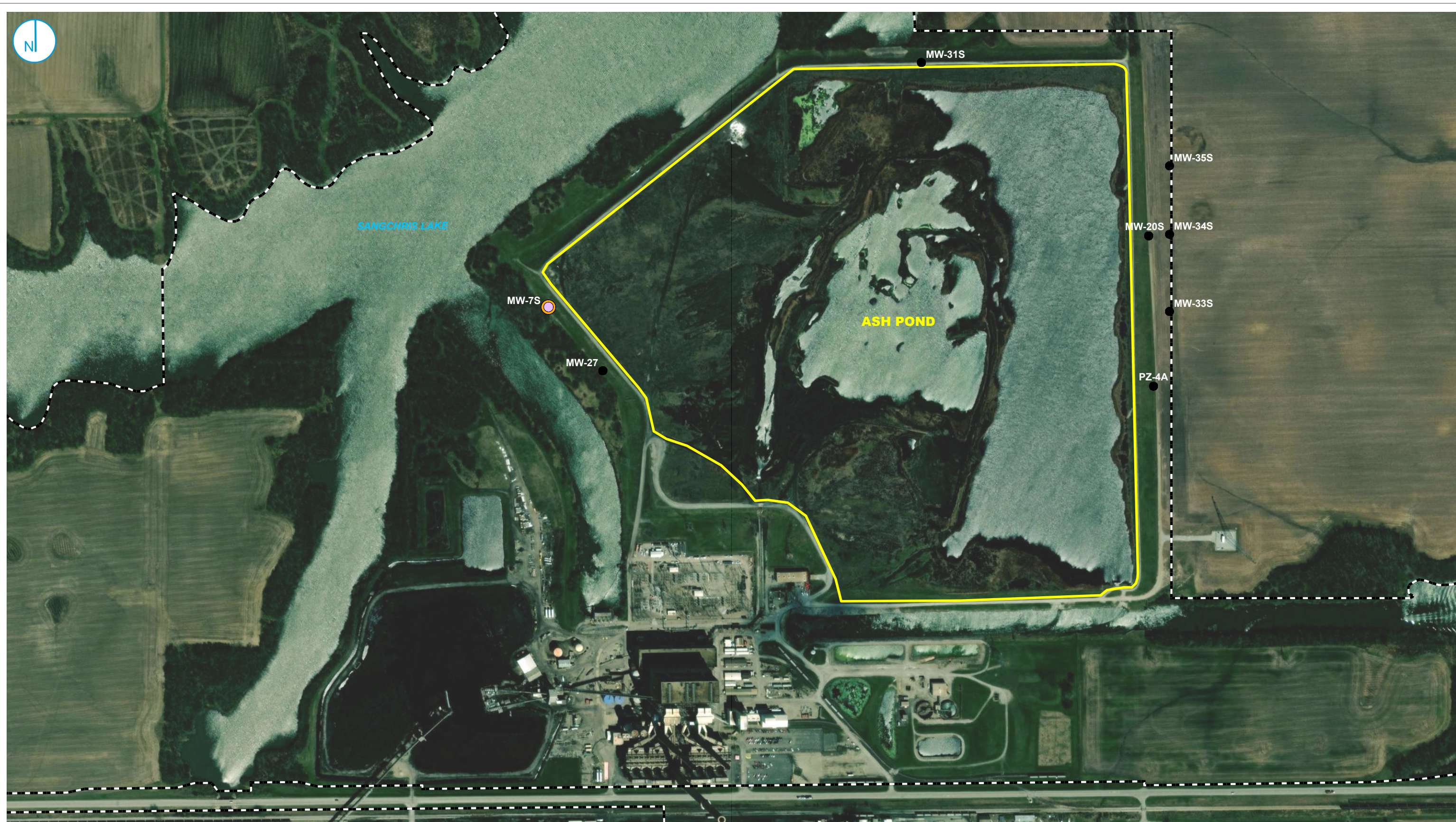
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



- TOTAL BORON EXCEEDANCE
- TOTAL SULFATE EXCEEDANCE
- COMPLIANCE WELL WITHOUT EXCEEDANCE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 250 500
Feet

GWPS EXCEEDANCE MAP UPPER SEMI-CONFINING UNIT - QUARTERS 1-3, 2024

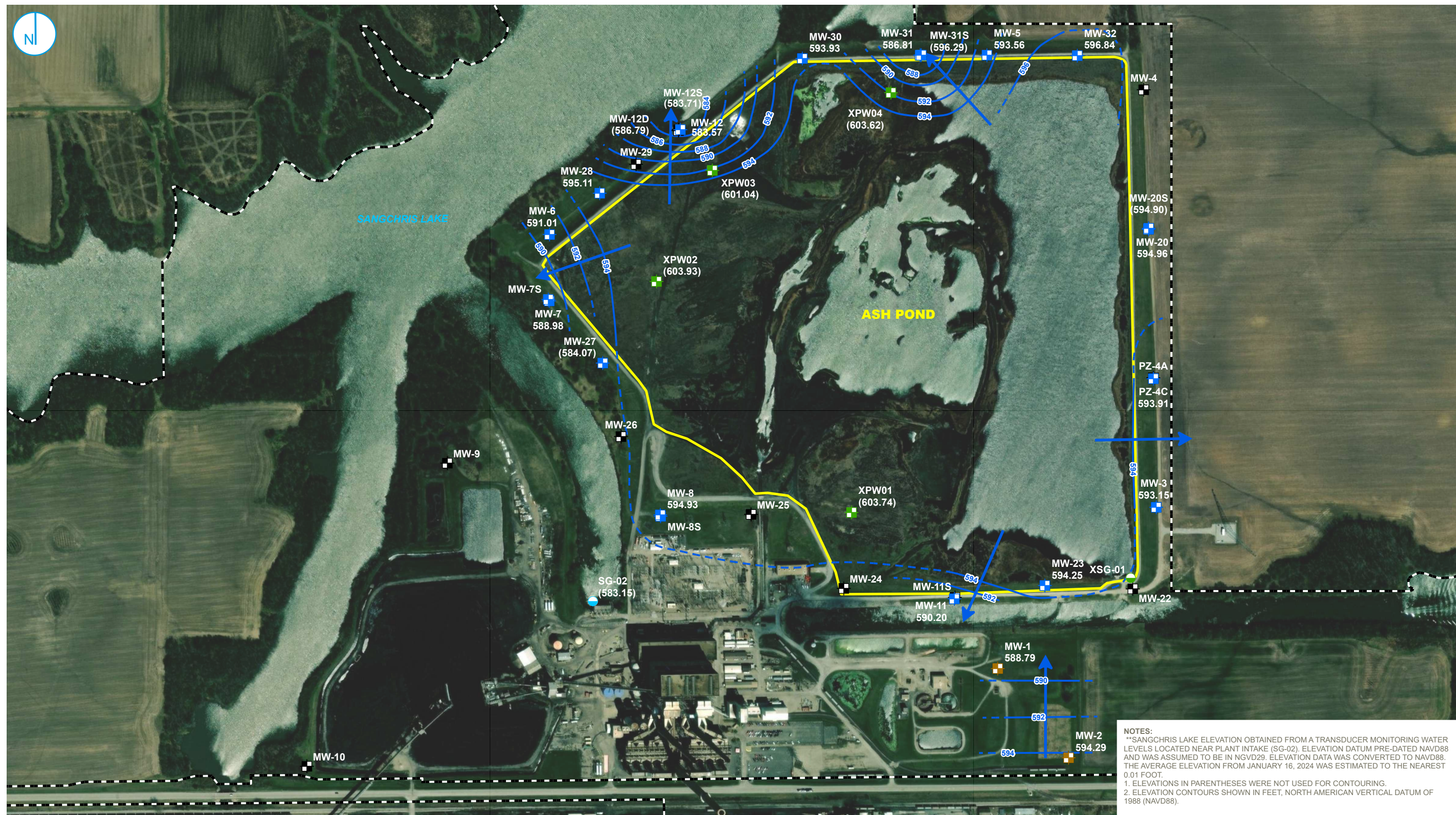
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





NOTES:
**SANGCHRIS LAKE ELEVATION OBTAINED FROM A TRANSDUCER MONITORING WATER LEVELS LOCATED NEAR PLANT INTAKE (SG-02). ELEVATION DATUM PRE-DATED NAVD88 AND WAS ASSUMED TO BE IN NGVD29. ELEVATION DATA WAS CONVERTED TO NAVD88. THE AVERAGE ELEVATION FROM JANUARY 16, 2024 WAS ESTIMATED TO THE NEAREST 0.01 FOOT.
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
- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

0 250 500 Feet

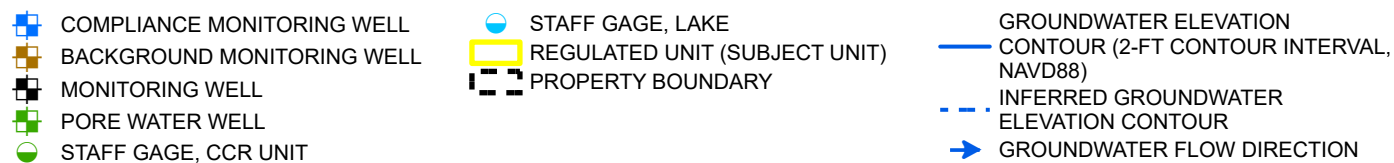
POTENTIOMETRIC SURFACE MAP JANUARY 16, 2024

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

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





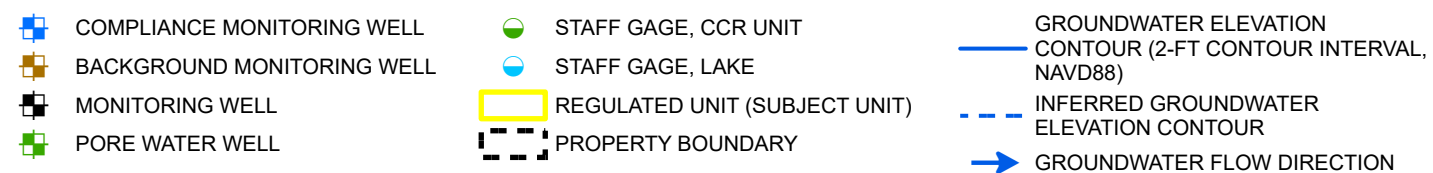
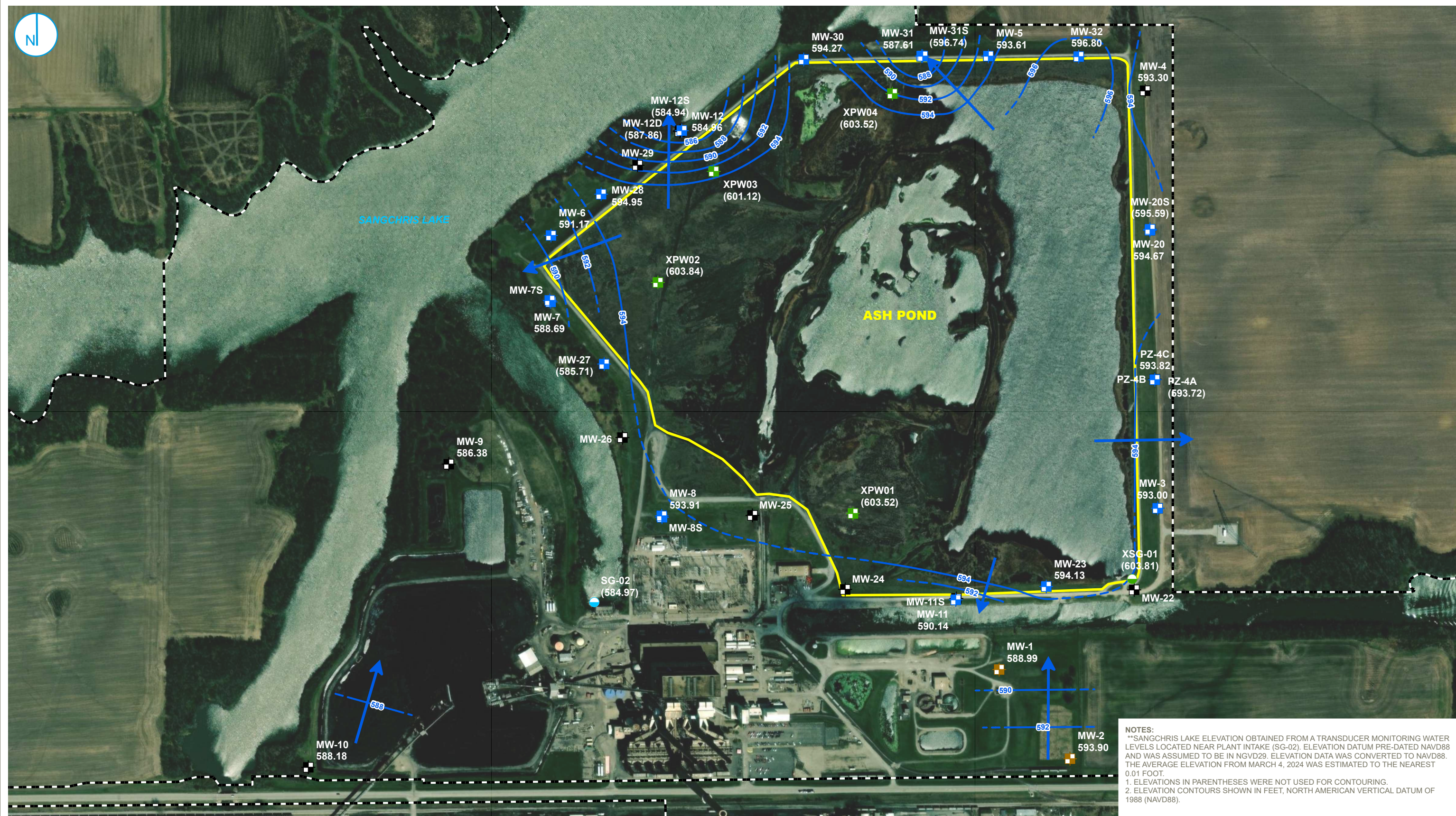
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





POTENTIOMETRIC SURFACE MAP
MARCH 4, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- | | | |
|----------------------------|-------------------------------|---|
| COMPLIANCE MONITORING WELL | STAFF GAGE, CCR UNIT | GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88) |
| BACKGROUND MONITORING WELL | STAFF GAGE, LAKE | INFERRED GROUNDWATER ELEVATION CONTOUR |
| MONITORING WELL | REGULATED UNIT (SUBJECT UNIT) | GROUNDWATER FLOW DIRECTION |
| PORE WATER WELL | PROPERTY BOUNDARY | |

0 250 500
Feet

POTENTIOMETRIC SURFACE MAP APRIL 20, 2024

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

FIGURE 7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- | | | |
|----------------------------|-------------------------------|---|
| COMPLIANCE MONITORING WELL | STAFF GAGE, CCR UNIT | GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88) |
| BACKGROUND MONITORING WELL | STAFF GAGE, LAKE | INFERRED GROUNDWATER ELEVATION CONTOUR |
| MONITORING WELL | REGULATED UNIT (SUBJECT UNIT) | GROUNDWATER FLOW DIRECTION |
| PORE WATER WELL | PROPERTY BOUNDARY | |

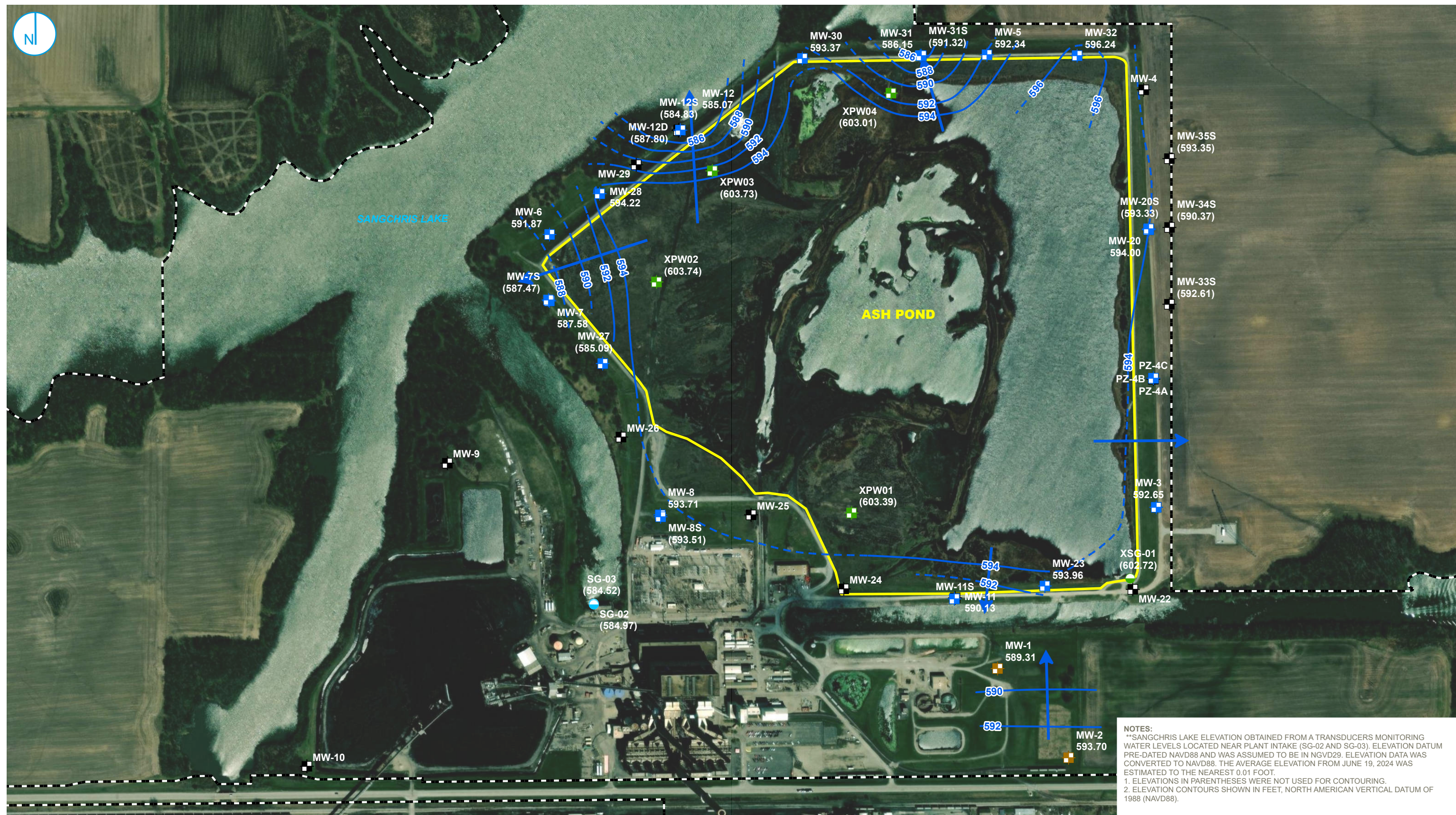
POTENTIOMETRIC SURFACE MAP MAY 20, 2024

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

FIGURE 8

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP JUNE 19, 2024

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

FIGURE 9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





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

- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

0 250 500 Feet

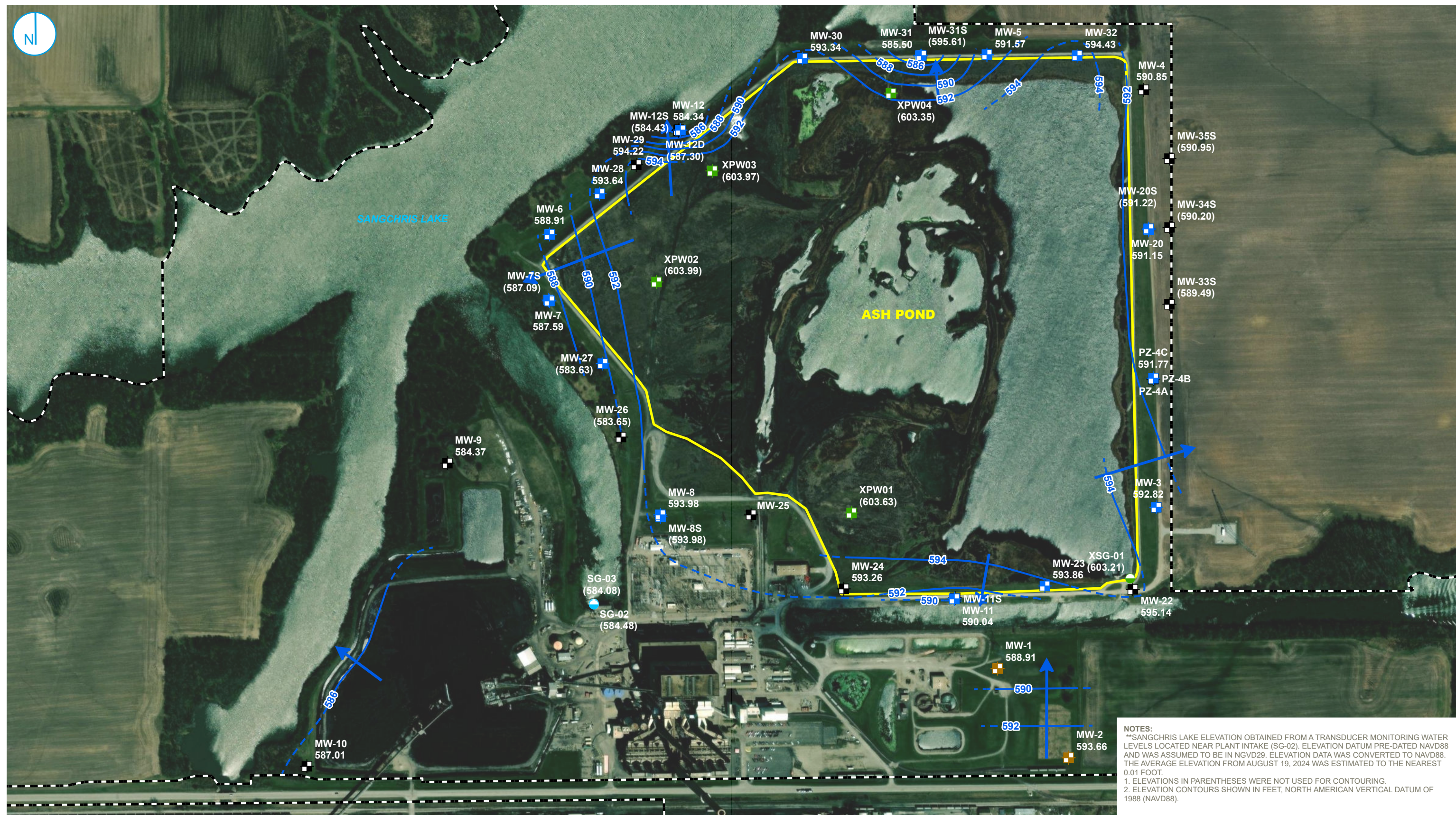
POTENTIOMETRIC SURFACE MAP JULY 19, 2024

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

FIGURE 10

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





0 250 500 Feet

POTENTIOMETRIC SURFACE MAP AUGUST 19, 2024

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

FIGURE 11

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP SEPTEMBER 18, 2024

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

FIGURE 12

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

0 250 500 Feet

POTENTIOMETRIC SURFACE MAP OCTOBER 18, 2024

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

FIGURE 13

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





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

- STAFF GAGE, CCR UNIT
- STAFF GAGE, LAKE
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

POTENTIOMETRIC SURFACE MAP DECEMBER 17-18, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND

KINCAID POWER PLANT
KINCAID, ILLINOIS

FIGURE 15

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-1	Background	UA	01/16/2024	16.09	588.79
MW-1	Background	UA	02/04/2024	15.03	589.84
MW-1	Background	UA	03/04/2024	15.89	588.99
MW-1	Background	UA	04/20/2024	15.14	589.73
MW-1	Background	UA	05/20/2024	15.48	589.40
MW-1	Background	UA	06/19/2024	15.61	589.31
MW-1	Background	UA	07/19/2024	15.72	589.20
MW-1	Background	UA	08/19/2024	16.02	588.91
MW-1	Background	UA	09/18/2024	16.22	588.70
MW-1	Background	UA	10/18/2024	16.91	588.01
MW-1	Background	UA	11/18/2024	16.02	588.91
MW-1	Background	UA	12/18/2024	15.95	588.98
MW-2	Background	UA	01/16/2024	6.98	594.29
MW-2	Background	UA	02/04/2024	6.23	595.03
MW-2	Background	UA	03/04/2024	7.37	593.90
MW-2	Background	UA	04/20/2024	7.08	594.18
MW-2	Background	UA	05/20/2024	7.31	593.96
MW-2	Background	UA	06/19/2024	7.45	593.70
MW-2	Background	UA	07/19/2024	7.34	593.80
MW-2	Background	UA	08/19/2024	7.49	593.66
MW-2	Background	UA	09/18/2024	7.71	593.44
MW-2	Background	UA	10/18/2024	7.77	593.38
MW-2	Background	UA	11/18/2024	5.59	595.56
MW-2	Background	UA	12/18/2024	6.95	594.20
MW-3	Compliance	UA	01/16/2024	8.48	593.15
MW-3	Compliance	UA	02/04/2024	8.08	593.54
MW-3	Compliance	UA	03/04/2024	8.63	593.00
MW-3	Compliance	UA	04/20/2024	8.21	593.41
MW-3	Compliance	UA	05/20/2024	8.74	592.89
MW-3	Compliance	UA	06/19/2024	8.83	592.65
MW-3	Compliance	UA	07/19/2024	8.86	592.62
MW-3	Compliance	UA	08/19/2024	8.67	592.82
MW-3	Compliance	UA	09/18/2024	8.69	592.79
MW-3	Compliance	UA	10/18/2024	8.74	592.73
MW-3	Compliance	UA	11/18/2024	8.14	593.35
MW-3	Compliance	UA	12/18/2024	8.52	592.97
MW-5	Compliance	UA	01/16/2024	26.05	593.56
MW-5	Compliance	UA	02/04/2024	25.49	594.11
MW-5	Compliance	UA	03/04/2024	26.00	593.61
MW-5	Compliance	UA	04/20/2024	26.00	593.60
MW-5	Compliance	UA	05/20/2024	26.46	593.15
MW-5	Compliance	UA	06/19/2024	27.17	592.34
MW-5	Compliance	UA	07/19/2024	27.45	592.06
MW-5	Compliance	UA	08/19/2024	27.95	591.57
MW-5	Compliance	UA	09/18/2024	28.91	590.60
MW-5	Compliance	UA	10/18/2024	29.23	590.28

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-5	Compliance	UA	11/18/2024	27.30	592.22
MW-5	Compliance	UA	12/18/2024	25.77	593.75
MW-6	Compliance	UA	01/16/2024	9.62	591.01
MW-6	Compliance	UA	02/04/2024	7.22	593.40
MW-6	Compliance	UA	03/04/2024	9.46	591.17
MW-6	Compliance	UA	04/20/2024	8.31	592.31
MW-6	Compliance	UA	05/20/2024	9.03	591.60
MW-6	Compliance	UA	06/19/2024	8.54	591.87
MW-6	Compliance	UA	07/19/2024	DM ⁷	
MW-6	Compliance	UA	08/19/2024	11.50	588.91
MW-6	Compliance	UA	09/18/2024	DM ⁷	
MW-6	Compliance	UA	10/18/2024	DM ⁷	
MW-6	Compliance	UA	11/18/2024	10.18	590.23
MW-6	Compliance	UA	12/18/2024	9.98	590.43
MW-7	Compliance	UA	01/16/2024	8.94	588.98
MW-7	Compliance	UA	02/04/2024	8.44	589.47
MW-7	Compliance	UA	03/04/2024	9.23	588.69
MW-7	Compliance	UA	04/20/2024	9.19	588.72
MW-7	Compliance	UA	05/20/2024	9.59	588.33
MW-7	Compliance	UA	06/19/2024	10.09	587.58
MW-7	Compliance	UA	07/19/2024	9.73	587.94
MW-7	Compliance	UA	08/19/2024	10.09	587.59
MW-7	Compliance	UA	09/18/2024	10.19	587.48
MW-7	Compliance	UA	10/18/2024	9.80	587.87
MW-7	Compliance	UA	11/18/2024	2.39	595.29
MW-7	Compliance	UA	12/18/2024	8.29	589.39
MW-7S	Compliance	USCU	01/16/2024	DM ¹	
MW-7S	Compliance	USCU	02/04/2024	DM ¹	
MW-7S	Compliance	USCU	03/04/2024	DM ⁴	
MW-7S	Compliance	USCU	04/20/2024	10.06	587.48
MW-7S	Compliance	USCU	05/20/2024	10.48	587.33
MW-7S	Compliance	USCU	06/19/2024	10.07	587.47
MW-7S	Compliance	USCU	07/19/2024	10.07	587.47
MW-7S	Compliance	USCU	08/19/2024	10.46	587.09
MW-7S	Compliance	USCU	09/18/2024	10.04	587.51
MW-7S	Compliance	USCU	10/18/2024	10.06	587.48
MW-7S	Compliance	USCU	11/18/2024	10.39	587.16
MW-7S	Compliance	USCU	12/18/2024	10.52	587.03
MW-8	Compliance	UA	01/16/2024	8.38	594.93
MW-8	Compliance	UA	02/04/2024	7.66	595.64
MW-8	Compliance	UA	03/04/2024	9.40	593.91
MW-8	Compliance	UA	04/20/2024	8.95	594.35
MW-8	Compliance	UA	05/20/2024	9.57	593.74
MW-8	Compliance	UA	06/19/2024	9.50	593.71
MW-8	Compliance	UA	07/19/2024	8.78	594.44
MW-8	Compliance	UA	08/19/2024	9.24	593.98

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-8	Compliance	UA	09/18/2024	9.64	593.57
MW-8	Compliance	UA	10/18/2024	9.77	593.44
MW-8	Compliance	UA	11/18/2024	6.53	596.69
MW-8	Compliance	UA	12/18/2024	7.72	595.50
MW-8S	Compliance	USCU	01/16/2024	DM ¹	
MW-8S	Compliance	USCU	02/04/2024	DM ¹	
MW-8S	Compliance	USCU	03/04/2024	DM ⁴	
MW-8S	Compliance	USCU	04/20/2024	9.29	594.11
MW-8S	Compliance	USCU	05/20/2024	9.76	593.71
MW-8S	Compliance	USCU	06/19/2024	9.90	593.51
MW-8S	Compliance	USCU	07/19/2024	9.21	594.20
MW-8S	Compliance	USCU	08/19/2024	9.43	593.98
MW-8S	Compliance	USCU	09/18/2024	9.91	593.49
MW-8S	Compliance	USCU	10/18/2024	9.93	593.47
MW-8S	Compliance	USCU	11/18/2024	9.76	593.65
MW-8S	Compliance	USCU	12/18/2024	7.79	595.62
MW-11	Compliance	UA	01/16/2024	11.78	590.20
MW-11	Compliance	UA	02/04/2024	11.73	590.24
MW-11	Compliance	UA	03/04/2024	11.84	590.14
MW-11	Compliance	UA	04/20/2024	11.75	590.22
MW-11	Compliance	UA	05/20/2024	11.89	590.09
MW-11	Compliance	UA	06/19/2024	11.78	590.13
MW-11	Compliance	UA	07/19/2024	11.69	590.21
MW-11	Compliance	UA	08/19/2024	11.88	590.04
MW-11	Compliance	UA	09/18/2024	12.26	589.65
MW-11	Compliance	UA	10/18/2024	12.20	589.71
MW-11	Compliance	UA	11/18/2024	9.78	592.14
MW-11	Compliance	UA	12/18/2024	11.71	590.21
MW-12	Compliance	UA	01/16/2024	8.00	583.57
MW-12	Compliance	UA	02/04/2024	6.25	585.31
MW-12	Compliance	UA	03/04/2024	6.61	584.96
MW-12	Compliance	UA	04/20/2024	6.21	585.35
MW-12	Compliance	UA	05/20/2024	6.52	585.05
MW-12	Compliance	UA	06/19/2024	6.41	585.07
MW-12	Compliance	UA	07/19/2024	6.66	584.82
MW-12	Compliance	UA	08/19/2024	7.14	584.34
MW-12	Compliance	UA	09/18/2024	7.94	583.53
MW-12	Compliance	UA	10/18/2024	DM ⁷	
MW-12	Compliance	UA	11/18/2024	6.90	584.58
MW-12	Compliance	UA	12/18/2024	7.20	584.28
MW-20	Compliance	UA	01/16/2024	5.98	594.96
MW-20	Compliance	UA	02/04/2024	5.62	595.31
MW-20	Compliance	UA	03/04/2024	6.27	594.67
MW-20	Compliance	UA	04/20/2024	5.91	595.02
MW-20	Compliance	UA	05/20/2024	6.24	594.70
MW-20	Compliance	UA	06/19/2024	6.85	594.00

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-20	Compliance	UA	07/19/2024	8.59	592.25
MW-20	Compliance	UA	08/19/2024	9.71	591.15
MW-20	Compliance	UA	09/18/2024	9.82	591.02
MW-20	Compliance	UA	10/18/2024	9.50	591.34
MW-20	Compliance	UA	11/18/2024	5.84	595.02
MW-20	Compliance	UA	12/17/2024	6.04	594.82
MW-20S	Compliance	USCU	01/16/2024	5.91	594.90
MW-20S	Compliance	USCU	02/04/2024	5.68	595.12
MW-20S	Compliance	USCU	03/04/2024	5.22	595.59
MW-20S	Compliance	USCU	04/20/2024	5.96	594.84
MW-20S	Compliance	USCU	05/20/2024	6.16	594.65
MW-20S	Compliance	USCU	06/19/2024	7.50	593.33
MW-20S	Compliance	USCU	07/19/2024	9.22	591.60
MW-20S	Compliance	USCU	08/19/2024	9.61	591.22
MW-20S	Compliance	USCU	09/18/2024	8.77	592.05
MW-20S	Compliance	USCU	10/18/2024	8.78	592.04
MW-20S	Compliance	USCU	11/18/2024	5.47	595.36
MW-20S	Compliance	USCU	12/17/2024	5.96	594.87
MW-23	Compliance	UA	01/16/2024	16.24	594.25
MW-23	Compliance	UA	02/04/2024	15.96	594.52
MW-23	Compliance	UA	03/04/2024	16.36	594.13
MW-23	Compliance	UA	04/20/2024	16.23	594.25
MW-23	Compliance	UA	05/20/2024	16.58	593.91
MW-23	Compliance	UA	06/19/2024	16.46	593.96
MW-23	Compliance	UA	07/19/2024	16.34	594.08
MW-23	Compliance	UA	08/19/2024	16.57	593.86
MW-23	Compliance	UA	09/18/2024	DM ⁷	
MW-23	Compliance	UA	10/18/2024	DM ⁷	
MW-23	Compliance	UA	11/18/2024	16.19	594.24
MW-23	Compliance	UA	12/17/2024	15.90	594.53
MW-27	Compliance	USCU	01/16/2024	16.15	584.07
MW-27	Compliance	USCU	02/04/2024	14.35	585.86
MW-27	Compliance	USCU	03/04/2024	14.51	585.71
MW-27	Compliance	USCU	04/20/2024	12.23	587.98
MW-27	Compliance	USCU	05/20/2024	13.11	587.11
MW-27	Compliance	USCU	06/19/2024	14.88	585.09
MW-27	Compliance	USCU	07/19/2024	15.65	584.32
MW-27	Compliance	USCU	08/19/2024	16.35	583.63
MW-27	Compliance	USCU	09/18/2024	17.65	582.32
MW-27	Compliance	USCU	10/18/2024	17.86	582.11
MW-27	Compliance	USCU	11/18/2024	16.14	583.84
MW-27	Compliance	USCU	12/18/2024	15.42	584.56
MW-28	Compliance	UA	01/16/2024	6.46	595.11
MW-28	Compliance	UA	02/04/2024	5.69	595.87
MW-28	Compliance	UA	03/04/2024	6.62	594.95
MW-28	Compliance	UA	04/20/2024	6.18	595.38

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-28	Compliance	UA	05/20/2024	6.73	594.84
MW-28	Compliance	UA	06/19/2024	7.27	594.22
MW-28	Compliance	UA	07/19/2024	7.63	593.85
MW-28	Compliance	UA	08/19/2024	7.85	593.64
MW-28	Compliance	UA	09/18/2024	8.25	593.24
MW-28	Compliance	UA	10/18/2024	8.55	592.94
MW-28	Compliance	UA	11/18/2024	6.11	595.38
MW-28	Compliance	UA	12/18/2024	6.66	594.83
MW-30	Compliance	UA	01/16/2024	24.71	593.93
MW-30	Compliance	UA	02/04/2024	23.60	595.03
MW-30	Compliance	UA	03/04/2024	24.37	594.27
MW-30	Compliance	UA	04/20/2024	24.02	594.61
MW-30	Compliance	UA	05/20/2024	24.52	594.12
MW-30	Compliance	UA	06/19/2024	25.18	593.37
MW-30	Compliance	UA	07/19/2024	25.25	593.30
MW-30	Compliance	UA	08/19/2024	25.22	593.34
MW-30	Compliance	UA	09/18/2024	25.14	593.41
MW-30	Compliance	UA	10/18/2024	25.76	592.79
MW-30	Compliance	UA	11/18/2024	24.78	593.78
MW-30	Compliance	UA	12/17/2024	24.54	594.02
MW-31	Compliance	UA	01/16/2024	30.70	586.81
MW-31	Compliance	UA	02/04/2024	29.57	587.93
MW-31	Compliance	UA	03/04/2024	29.90	587.61
MW-31	Compliance	UA	04/20/2024	29.71	587.79
MW-31	Compliance	UA	05/20/2024	30.50	587.01
MW-31	Compliance	UA	06/19/2024	31.31	586.15
MW-31	Compliance	UA	07/19/2024	31.29	586.17
MW-31	Compliance	UA	08/19/2024	31.97	585.50
MW-31	Compliance	UA	09/18/2024	32.85	584.61
MW-31	Compliance	UA	10/18/2024	33.37	584.09
MW-31	Compliance	UA	11/18/2024	30.60	586.87
MW-31	Compliance	UA	12/17/2024	30.09	587.38
MW-31S	Compliance	USCU	01/16/2024	21.42	596.29
MW-31S	Compliance	USCU	02/04/2024	21.17	596.53
MW-31S	Compliance	USCU	03/04/2024	20.97	596.74
MW-31S	Compliance	USCU	04/20/2024	24.26	593.44
MW-31S	Compliance	USCU	05/20/2024	23.12	594.59
MW-31S	Compliance	USCU	06/19/2024	26.30	591.32
MW-31S	Compliance	USCU	07/19/2024	23.74	593.88
MW-31S	Compliance	USCU	08/19/2024	22.02	595.61
MW-31S	Compliance	USCU	09/18/2024	22.80	594.82
MW-31S	Compliance	USCU	10/18/2024	20.98	596.64
MW-31S	Compliance	USCU	11/18/2024	19.79	597.84
MW-31S	Compliance	USCU	12/17/2024	23.62	594.01
MW-32	Compliance	UA	01/16/2024	22.82	596.84
MW-32	Compliance	UA	02/04/2024	21.95	597.70

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-32	Compliance	UA	03/04/2024	22.86	596.80
MW-32	Compliance	UA	04/20/2024	22.78	596.87
MW-32	Compliance	UA	05/20/2024	23.19	596.47
MW-32	Compliance	UA	06/19/2024	23.28	596.24
MW-32	Compliance	UA	07/19/2024	24.14	595.38
MW-32	Compliance	UA	08/19/2024	25.10	594.43
MW-32	Compliance	UA	09/18/2024	25.21	594.31
MW-32	Compliance	UA	10/18/2024	25.46	594.06
MW-32	Compliance	UA	11/18/2024	23.57	595.96
MW-32	Compliance	UA	12/17/2024	22.88	596.65
PZ-4C	Compliance	UA	01/16/2024	6.83	593.91
PZ-4C	Compliance	UA	02/04/2024	6.67	594.06
PZ-4C	Compliance	UA	03/04/2024	6.92	593.82
PZ-4C	Compliance	UA	04/20/2024	6.94	593.79
PZ-4C	Compliance	UA	05/20/2024	6.92	593.82
PZ-4C	Compliance	UA	06/19/2024	DM ⁷	
PZ-4C	Compliance	UA	07/19/2024	DM ⁷	
PZ-4C	Compliance	UA	08/19/2024	9.03	591.77
PZ-4C	Compliance	UA	09/18/2024	DM ⁷	
PZ-4C	Compliance	UA	10/18/2024	DM ⁷	
PZ-4C	Compliance	UA	11/18/2024	6.51	594.29
PZ-4C	Compliance	UA	12/17/2024	6.76	594.04
XSG-01	Water Level	CCR	01/17/2024	DM ¹	
XSG-01	Water Level	CCR	02/04/2024	DM ¹	
XSG-01	Water Level	CCR	03/04/2024	4.79	603.81
XSG-01	Water Level	CCR	04/20/2024	5.08	603.51
XSG-01	Water Level	CCR	05/20/2024	5.21	603.39
XSG-01	Water Level	CCR	06/19/2024	5.60	602.72
XSG-01	Water Level	CCR	07/19/2024	5.35	602.96
XSG-01	Water Level	CCR	08/19/2024	5.12	603.21
XSG-01	Water Level	CCR	09/18/2024	DM ⁷	
XSG-01	Water Level	CCR	10/18/2024	DM ⁷	
XSG-01	Water Level	CCR	11/18/2024	4.75	603.58
XSG-01	Water Level	CCR	12/17/2024	4.36	603.97
SG-02	Water Level	SW	01/16/2024	18.35	583.15
SG-02	Water Level	SW	02/04/2024	20.31	585.11
SG-02	Water Level	SW	03/04/2024	20.17	584.97
SG-02	Water Level	SW	04/20/2024	20.39	585.19
SG-02	Water Level	SW	05/20/2024	20.37	585.17
SG-02	Water Level	SW	06/19/2024	20.17	584.97
SG-02	Water Level	SW	07/19/2024	19.88	584.68
SG-02	Water Level	SW	08/19/2024	19.68	584.48
SG-02	Water Level	SW	09/18/2024	19.09	583.89
SG-02	Water Level	SW	10/18/2024	18.65	583.45
SG-02	Water Level	SW	11/18/2024	19.34	584.14
SG-02	Water Level	SW	12/18/2024	19.48	584.28

ATTACHMENT A
GROUNDWATER ELEVATION DATA
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:
CCR = coal combustion residuals
SW = surface water
UA = uppermost aquifer
USCU = upper semi-confining unit

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ATTACHMENT B
COMPARISON TO BACKGROUND

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-3	UA	E004	Antimony, total	mg/L	12/15/15 - 03/04/24	27	97	CI around median	0.001	0.001
MW-3	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.00480
MW-3	UA	E004	Barium, total	mg/L	12/15/15 - 03/04/24	27	0	CI around median	0.0461	0.150
MW-3	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.001
MW-3	UA	E004	Boron, total	mg/L	12/15/15 - 03/04/24	27	0	CI around median	1.57	0.296
MW-3	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.001
MW-3	UA	E004	Chloride, total	mg/L	12/15/15 - 03/04/24	27	0	CB around linear reg	27.3	18.0
MW-3	UA	E004	Chromium, total	mg/L	12/15/15 - 03/04/24	27	97	CB around T-S line	0.0015	0.00950
MW-3	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/04/24	27	88	CI around median	0.001	0.00390
MW-3	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/04/24	27	0	CI around mean	0.242	0.510
MW-3	UA	E004	Lead, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.00510
MW-3	UA	E004	Lithium, total	mg/L	02/25/21 - 03/04/24	13	92	CI around median	0.003	0.0120
MW-3	UA	E004	Mercury, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.0002	0.0002
MW-3	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/04/24	13	100	All ND - Last	0.0015	0.00620
MW-3	UA	E004	pH (field)	SU	12/15/15 - 03/04/24	27	0	CB around linear reg	6.4/6.8	5.6/7.6
MW-3	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 03/04/24	23	0	CI around median	0.271	1.00
MW-3	UA	E004	Selenium, total	mg/L	12/15/15 - 03/04/24	27	100	All ND - Last	0.001	0.00180
MW-3	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/04/24	27	0	CB around linear reg	113	151
MW-3	UA	E004	Thallium, total	mg/L	12/15/15 - 03/04/24	27	97	CB around T-S line	0.002	0.002
MW-3	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/04/24	27	0	CB around linear reg	539	494
MW-5	UA	E004	Antimony, total	mg/L	12/15/15 - 03/04/24	29	100	All ND - Last	0.001	0.001
MW-5	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/04/24	31	86	CB around T-S line	0.001	0.00480
MW-5	UA	E004	Barium, total	mg/L	12/15/15 - 03/04/24	31	0	CB around linear reg	0.145	0.150
MW-5	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/04/24	29	100	All ND - Last	0.001	0.001
MW-5	UA	E004	Boron, total	mg/L	12/15/15 - 03/04/24	31	0	CI around mean	0.528	0.296
MW-5	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/04/24	28	100	All ND - Last	0.001	0.001
MW-5	UA	E004	Chloride, total	mg/L	12/15/15 - 03/04/24	31	0	CB around linear reg	45.1	18.0

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-5	UA	E004	Chromium, total	mg/L	12/15/15 - 03/04/24	31	94	CB around T-S line	0.0015	0.00950
MW-5	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/04/24	31	89	CI around median	0.001	0.00390
MW-5	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/04/24	31	3	CI around median	0.16	0.510
MW-5	UA	E004	Lead, total	mg/L	12/15/15 - 03/04/24	31	94	CI around median	0.001	0.00510
MW-5	UA	E004	Lithium, total	mg/L	12/15/15 - 03/04/24	23	35	CB around T-S line	0.00299	0.0120
MW-5	UA	E004	Mercury, total	mg/L	12/15/15 - 03/04/24	28	100	All ND - Last	0.0002	0.0002
MW-5	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/04/24	23	96	CB around T-S line	0.00146	0.00620
MW-5	UA	E004	pH (field)	SU	12/15/15 - 03/04/24	31	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-5	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/04/24	32	0	CI around median	0.3	1.00
MW-5	UA	E004	Selenium, total	mg/L	12/15/15 - 03/04/24	31	100	All ND - Last	0.001	0.00180
MW-5	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/04/24	31	33	CI around median	10	151
MW-5	UA	E004	Thallium, total	mg/L	12/15/15 - 03/04/24	28	97	CB around T-S line	0.00187	0.002
MW-5	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/04/24	31	0	CB around linear reg	698	494
MW-6	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-6	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00480
MW-6	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around T-S line	0.0372	0.150
MW-6	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-6	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.97	0.296
MW-6	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.001
MW-6	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	53	CB around T-S line	2.15	18.0
MW-6	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	86	CB around T-S line	0.0015	0.00950
MW-6	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00390
MW-6	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.186	0.510
MW-6	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00510
MW-6	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	87	CB around T-S line	0.00274	0.0120
MW-6	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.0002
MW-6	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	100	All ND - Last	0.0015	0.00620

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-6	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.3/6.6	5.6/7.6
MW-6	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.37	1.00
MW-6	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	94	CI around median	0.001	0.00180
MW-6	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around geomean	138	151
MW-6	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002
MW-6	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	492	494
MW-7	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-7	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	72	CI around median	0.001	0.00480
MW-7	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0313	0.150
MW-7	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-7	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.223	0.296
MW-7	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.001
MW-7	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	75	CB around T-S line	2.44	18.0
MW-7	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	94	CB around T-S line	0.0015	0.00950
MW-7	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	83	CI around median	0.001	0.00390
MW-7	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.254	0.510
MW-7	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00510
MW-7	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	39	CI around median	0.003	0.0120
MW-7	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.0002
MW-7	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	4	CI around mean	0.00255	0.00620
MW-7	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.7/7.0	5.6/7.6
MW-7	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around geomean	0.461	1.00
MW-7	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00180
MW-7	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around geomean	176	151
MW-7	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002
MW-7	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	571	494
MW-7S	USCU	E004	Antimony, total	mg/L	02/24/21 - 03/04/24	11	91	CI around median	0.001	0.001

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-7S	USCU	E004	Arsenic, total	mg/L	02/24/21 - 03/04/24	11	0	CI around geomean	0.00482	0.00480
MW-7S	USCU	E004	Barium, total	mg/L	02/24/21 - 03/04/24	11	0	CI around median	0.039	0.150
MW-7S	USCU	E004	Beryllium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.001
MW-7S	USCU	E004	Boron, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	3.81	0.296
MW-7S	USCU	E004	Cadmium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.001
MW-7S	USCU	E004	Chloride, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	9.97	18.0
MW-7S	USCU	E004	Chromium, total	mg/L	02/24/21 - 03/04/24	11	54	CI around median	0.0015	0.00950
MW-7S	USCU	E004	Cobalt, total	mg/L	02/24/21 - 03/04/24	11	18	CI around median	0.0012	0.00390
MW-7S	USCU	E004	Fluoride, total	mg/L	02/24/21 - 03/04/24	11	0	CB around linear reg	0.25	0.510
MW-7S	USCU	E004	Lead, total	mg/L	02/24/21 - 03/04/24	11	73	CI around median	0.001	0.00510
MW-7S	USCU	E004	Lithium, total	mg/L	02/24/21 - 03/04/24	11	91	CI around median	0.003	0.0120
MW-7S	USCU	E004	Mercury, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.0002	0.0002
MW-7S	USCU	E004	Molybdenum, total	mg/L	02/24/21 - 03/04/24	11	73	CI around median	0.0015	0.00620
MW-7S	USCU	E004	pH (field)	SU	02/24/21 - 03/04/24	11	0	CI around median	6.5/6.8	5.6/7.6
MW-7S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/04/24	11	0	CI around mean	0.134	1.00
MW-7S	USCU	E004	Selenium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.001	0.00180
MW-7S	USCU	E004	Sulfate, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	416	151
MW-7S	USCU	E004	Thallium, total	mg/L	02/24/21 - 03/04/24	11	100	All ND - Last	0.002	0.002
MW-7S	USCU	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/04/24	10	0	CI around median	1,010	494
MW-8	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-8	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00480
MW-8	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0199	0.150
MW-8	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-8	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around median	0.958	0.296
MW-8	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.001
MW-8	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	15.3	18.0
MW-8	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.0015	0.00950

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-8	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	28	CB around linear reg	0.00091	0.00390
MW-8	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around T-S line	0.217	0.510
MW-8	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00510
MW-8	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	52	CB around T-S line	0.00287	0.0120
MW-8	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.0002
MW-8	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	100	All ND - Last	0.0015	0.00620
MW-8	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CI around mean	6.6/6.7	5.6/7.6
MW-8	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.21	1.00
MW-8	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00180
MW-8	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	208	151
MW-8	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002
MW-8	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	762	494
MW-8S	USCU	E004	Antimony, total	mg/L	--	--	--	--	--	0.001
MW-8S	USCU	E004	Arsenic, total	mg/L	--	--	--	--	--	0.00480
MW-8S	USCU	E004	Barium, total	mg/L	--	--	--	--	--	0.150
MW-8S	USCU	E004	Beryllium, total	mg/L	--	--	--	--	--	0.001
MW-8S	USCU	E004	Boron, total	mg/L	--	--	--	--	--	0.296
MW-8S	USCU	E004	Cadmium, total	mg/L	--	--	--	--	--	0.001
MW-8S	USCU	E004	Chloride, total	mg/L	--	--	--	--	--	18.0
MW-8S	USCU	E004	Chromium, total	mg/L	--	--	--	--	--	0.00950
MW-8S	USCU	E004	Cobalt, total	mg/L	--	--	--	--	--	0.00390
MW-8S	USCU	E004	Fluoride, total	mg/L	--	--	--	--	--	0.510
MW-8S	USCU	E004	Lead, total	mg/L	--	--	--	--	--	0.00510
MW-8S	USCU	E004	Lithium, total	mg/L	--	--	--	--	--	0.0120
MW-8S	USCU	E004	Mercury, total	mg/L	--	--	--	--	--	0.0002
MW-8S	USCU	E004	Molybdenum, total	mg/L	--	--	--	--	--	0.00620
MW-8S	USCU	E004	pH (field)	SU	--	--	--	--	--	5.6/7.6

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-8S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	1.00
MW-8S	USCU	E004	Selenium, total	mg/L	--	--	--	--	--	0.00180
MW-8S	USCU	E004	Sulfate, total	mg/L	--	--	--	--	--	151
MW-8S	USCU	E004	Thallium, total	mg/L	--	--	--	--	--	0.002
MW-8S	USCU	E004	Total Dissolved Solids	mg/L	--	--	--	--	--	494
MW-11	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	97	CI around median	0.001	0.001
MW-11	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	23	CI around median	0.0012	0.00480
MW-11	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.112	0.150
MW-11	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-11	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	1.56	0.296
MW-11	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.001
MW-11	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	29.6	18.0
MW-11	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	97	CB around T-S line	0.0015	0.00950
MW-11	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	94	CI around median	0.001	0.00390
MW-11	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	0.492	0.510
MW-11	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00510
MW-11	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	48	CB around linear reg	0.00283	0.0120
MW-11	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.0002
MW-11	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	4	CI around median	0.0021	0.00620
MW-11	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.5/6.8	5.6/7.6
MW-11	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around mean	0.549	1.00
MW-11	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	64	CI around median	0.001	0.00180
MW-11	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	108	151
MW-11	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002
MW-11	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	626	494
MW-12	UA	E004	Antimony, total	mg/L	12/15/15 - 03/05/24	29	97	CI around median	0.001	0.001
MW-12	UA	E004	Arsenic, total	mg/L	12/15/15 - 03/05/24	31	90	CB around T-S line	0.001	0.00480

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-12	UA	E004	Barium, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	0.0609	0.150
MW-12	UA	E004	Beryllium, total	mg/L	12/15/15 - 03/05/24	29	100	All ND - Last	0.001	0.001
MW-12	UA	E004	Boron, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	2.68	0.296
MW-12	UA	E004	Cadmium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.001	0.001
MW-12	UA	E004	Chloride, total	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	19.9	18.0
MW-12	UA	E004	Chromium, total	mg/L	12/15/15 - 03/05/24	31	97	CB around T-S line	0.0015	0.00950
MW-12	UA	E004	Cobalt, total	mg/L	12/15/15 - 03/05/24	31	100	All ND - Last	0.001	0.00390
MW-12	UA	E004	Fluoride, total	mg/L	12/15/15 - 03/05/24	31	0	CI around median	0.18	0.510
MW-12	UA	E004	Lead, total	mg/L	12/15/15 - 03/05/24	31	97	CI around median	0.001	0.00510
MW-12	UA	E004	Lithium, total	mg/L	12/15/15 - 03/05/24	23	0	CI around mean	0.00848	0.0120
MW-12	UA	E004	Mercury, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.0002	0.0002
MW-12	UA	E004	Molybdenum, total	mg/L	12/15/15 - 03/05/24	23	83	CB around T-S line	0.0015	0.00620
MW-12	UA	E004	pH (field)	SU	12/15/15 - 03/05/24	31	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-12	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 03/05/24	32	0	CI around median	0.447	1.00
MW-12	UA	E004	Selenium, total	mg/L	12/15/15 - 03/05/24	31	97	CI around median	0.001	0.00180
MW-12	UA	E004	Sulfate, total	mg/L	12/15/15 - 03/05/24	31	0	CI around mean	362	151
MW-12	UA	E004	Thallium, total	mg/L	12/15/15 - 03/05/24	28	100	All ND - Last	0.002	0.002
MW-12	UA	E004	Total Dissolved Solids	mg/L	12/15/15 - 03/05/24	31	0	CB around linear reg	990	494
MW-20	UA	E004	Antimony, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.001	0.001
MW-20	UA	E004	Arsenic, total	mg/L	02/26/21 - 03/05/24	13	46	CI around median	0.001	0.00480
MW-20	UA	E004	Barium, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.065	0.150
MW-20	UA	E004	Beryllium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.001
MW-20	UA	E004	Boron, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.547	0.296
MW-20	UA	E004	Cadmium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.001
MW-20	UA	E004	Chloride, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	18.7	18.0
MW-20	UA	E004	Chromium, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.0015	0.00950
MW-20	UA	E004	Cobalt, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.001	0.00390

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MW-20	UA	E004	Fluoride, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	0.318	0.510
MW-20	UA	E004	Lead, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.00510
MW-20	UA	E004	Lithium, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	-0.00347	0.0120
MW-20	UA	E004	Mercury, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0002	0.0002
MW-20	UA	E004	Molybdenum, total	mg/L	02/26/21 - 03/05/24	13	8	CB around linear reg	-0.000432	0.00620
MW-20	UA	E004	pH (field)	SU	02/26/21 - 03/05/24	13	0	CI around mean	6.8/7.1	5.6/7.6
MW-20	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/05/24	13	0	CI around mean	0.239	1.00
MW-20	UA	E004	Selenium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.00180
MW-20	UA	E004	Sulfate, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	144	151
MW-20	UA	E004	Thallium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.002	0.002
MW-20	UA	E004	Total Dissolved Solids	mg/L	02/26/21 - 03/05/24	12	0	CB around linear reg	641	494
MW-20S	USCU	E004	Antimony, total	mg/L	02/26/21 - 03/04/24	13	92	CI around median	0.001	0.001
MW-20S	USCU	E004	Arsenic, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.00480
MW-20S	USCU	E004	Barium, total	mg/L	02/26/21 - 03/04/24	13	8	CI around median	0.0346	0.150
MW-20S	USCU	E004	Beryllium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.001
MW-20S	USCU	E004	Boron, total	mg/L	02/26/21 - 03/04/24	13	0	CB around linear reg	1.22	0.296
MW-20S	USCU	E004	Cadmium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.001
MW-20S	USCU	E004	Chloride, total	mg/L	02/26/21 - 03/04/24	13	0	CI around mean	17.6	18.0
MW-20S	USCU	E004	Chromium, total	mg/L	02/26/21 - 03/04/24	13	92	CI around median	0.0015	0.00950
MW-20S	USCU	E004	Cobalt, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.00390
MW-20S	USCU	E004	Fluoride, total	mg/L	02/26/21 - 03/04/24	13	0	CI around mean	0.176	0.510
MW-20S	USCU	E004	Lead, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.00510
MW-20S	USCU	E004	Lithium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.003	0.0120
MW-20S	USCU	E004	Mercury, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.0002	0.0002
MW-20S	USCU	E004	Molybdenum, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.0015	0.00620
MW-20S	USCU	E004	pH (field)	SU	02/26/21 - 03/04/24	13	0	CI around mean	6.5/6.8	5.6/7.6
MW-20S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/04/24	13	0	CI around mean	0.158	1.00

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MW-20S	USCU	E004	Selenium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.001	0.00180
MW-20S	USCU	E004	Sulfate, total	mg/L	02/26/21 - 03/04/24	13	0	CB around linear reg	305	151
MW-20S	USCU	E004	Thallium, total	mg/L	02/26/21 - 03/04/24	13	100	All ND - Last	0.002	0.002
MW-20S	USCU	E004	Total Dissolved Solids	mg/L	02/26/21 - 03/04/24	12	0	CB around linear reg	902	494
MW-23	UA	E004	Antimony, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.001
MW-23	UA	E004	Arsenic, total	mg/L	02/26/21 - 03/05/24	13	46	CI around median	0.001	0.00480
MW-23	UA	E004	Barium, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	0.0835	0.150
MW-23	UA	E004	Beryllium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.001
MW-23	UA	E004	Boron, total	mg/L	02/26/21 - 03/05/24	13	0	CI around median	1.95	0.296
MW-23	UA	E004	Cadmium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.001
MW-23	UA	E004	Chloride, total	mg/L	02/26/21 - 03/05/24	13	0	CB around linear reg	24.1	18.0
MW-23	UA	E004	Chromium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0015	0.00950
MW-23	UA	E004	Cobalt, total	mg/L	02/26/21 - 03/05/24	13	38	CI around median	0.001	0.00390
MW-23	UA	E004	Fluoride, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	0.345	0.510
MW-23	UA	E004	Lead, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.00510
MW-23	UA	E004	Lithium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.003	0.0120
MW-23	UA	E004	Mercury, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.0002	0.0002
MW-23	UA	E004	Molybdenum, total	mg/L	02/26/21 - 03/05/24	13	92	CI around median	0.0015	0.00620
MW-23	UA	E004	pH (field)	SU	02/26/21 - 03/05/24	13	0	CI around mean	6.5/6.8	5.6/7.6
MW-23	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 03/05/24	13	0	CI around mean	0.272	1.00
MW-23	UA	E004	Selenium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.001	0.00180
MW-23	UA	E004	Sulfate, total	mg/L	02/26/21 - 03/05/24	13	0	CI around mean	41.4	151
MW-23	UA	E004	Thallium, total	mg/L	02/26/21 - 03/05/24	13	100	All ND - Last	0.002	0.002
MW-23	UA	E004	Total Dissolved Solids	mg/L	02/26/21 - 03/05/24	12	0	CI around mean	581	494
MW-27	USCU	E004	Antimony, total	mg/L	02/24/21 - 03/05/24	10	80	CI around median	0.001	0.001
MW-27	USCU	E004	Arsenic, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.00361	0.00480
MW-27	USCU	E004	Barium, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.0832	0.150

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MW-27	USCU	E004	Beryllium, total	mg/L	02/24/21 - 03/05/24	10	70	CI around median	0.001	0.001
MW-27	USCU	E004	Boron, total	mg/L	02/24/21 - 03/05/24	10	0	CI around mean	0.972	0.296
MW-27	USCU	E004	Cadmium, total	mg/L	02/24/21 - 03/05/24	10	90	CI around median	0.001	0.001
MW-27	USCU	E004	Chloride, total	mg/L	02/24/21 - 03/05/24	10	0	CI around mean	14.3	18.0
MW-27	USCU	E004	Chromium, total	mg/L	02/24/21 - 03/05/24	10	10	CI around geomean	0.00276	0.00950
MW-27	USCU	E004	Cobalt, total	mg/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.00211	0.00390
MW-27	USCU	E004	Fluoride, total	mg/L	02/24/21 - 03/05/24	10	0	CI around median	0.17	0.510
MW-27	USCU	E004	Lead, total	mg/L	02/24/21 - 03/05/24	10	10	CI around geomean	0.0014	0.00510
MW-27	USCU	E004	Lithium, total	mg/L	02/24/21 - 03/05/24	10	30	CI around geomean	0.00321	0.0120
MW-27	USCU	E004	Mercury, total	mg/L	02/24/21 - 03/05/24	10	80	CI around median	0.0002	0.0002
MW-27	USCU	E004	Molybdenum, total	mg/L	02/24/21 - 03/05/24	10	20	CI around geomean	0.00221	0.00620
MW-27	USCU	E004	pH (field)	SU	02/24/21 - 03/05/24	11	0	CI around mean	6.6/6.9	5.6/7.6
MW-27	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/05/24	10	0	CI around geomean	0.364	1.00
MW-27	USCU	E004	Selenium, total	mg/L	02/24/21 - 03/05/24	10	100	All ND - Last	0.001	0.00180
MW-27	USCU	E004	Sulfate, total	mg/L	02/24/21 - 03/05/24	10	0	CI around mean	263	151
MW-27	USCU	E004	Thallium, total	mg/L	02/24/21 - 03/05/24	10	90	CI around median	0.002	0.002
MW-27	USCU	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/05/24	9	0	CI around median	885	494
MW-28	UA	E004	Antimony, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-28	UA	E004	Arsenic, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.00480
MW-28	UA	E004	Barium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.0224	0.150
MW-28	UA	E004	Beryllium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-28	UA	E004	Boron, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	8.73	0.296
MW-28	UA	E004	Cadmium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-28	UA	E004	Chloride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	12.5	18.0
MW-28	UA	E004	Chromium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0015	0.00950
MW-28	UA	E004	Cobalt, total	mg/L	02/24/21 - 03/06/24	13	85	CI around median	0.001	0.00390
MW-28	UA	E004	Fluoride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around median	0.13	0.510

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-28	UA	E004	Lead, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.00510
MW-28	UA	E004	Lithium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.0061	0.0120
MW-28	UA	E004	Mercury, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0002	0.0002
MW-28	UA	E004	Molybdenum, total	mg/L	02/24/21 - 03/06/24	13	92	CI around median	0.0015	0.00620
MW-28	UA	E004	pH (field)	SU	02/24/21 - 03/06/24	13	0	CI around mean	6.6/6.8	5.6/7.6
MW-28	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/06/24	13	0	CB around linear reg	0.421	1.00
MW-28	UA	E004	Selenium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.00180
MW-28	UA	E004	Sulfate, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	816	151
MW-28	UA	E004	Thallium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.002	0.002
MW-28	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/06/24	12	0	CI around mean	1,630	494
MW-30	UA	E004	Antimony, total	mg/L	02/25/21 - 03/06/24	13	92	Most recent sample	0.001	0.001
MW-30	UA	E004	Arsenic, total	mg/L	02/25/21 - 03/06/24	13	8	CB around linear reg	0.00309	0.00480
MW-30	UA	E004	Barium, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	0.152	0.150
MW-30	UA	E004	Beryllium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-30	UA	E004	Boron, total	mg/L	02/25/21 - 03/06/24	13	0	CI around median	1.09	0.296
MW-30	UA	E004	Cadmium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-30	UA	E004	Chloride, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	38.3	18.0
MW-30	UA	E004	Chromium, total	mg/L	02/25/21 - 03/06/24	13	77	CI around median	0.0015	0.00950
MW-30	UA	E004	Cobalt, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	0.00202	0.00390
MW-30	UA	E004	Fluoride, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	0.311	0.510
MW-30	UA	E004	Lead, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.00510
MW-30	UA	E004	Lithium, total	mg/L	02/25/21 - 03/06/24	13	85	CB around T-S line	-0.00522	0.0120
MW-30	UA	E004	Mercury, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0002	0.0002
MW-30	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/06/24	13	31	CI around median	0.0015	0.00620
MW-30	UA	E004	pH (field)	SU	02/25/21 - 03/06/24	13	0	CI around mean	6.4/6.6	5.6/7.6
MW-30	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	13	0	CI around geomean	0.606	1.00
MW-30	UA	E004	Selenium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.00180

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-30	UA	E004	Sulfate, total	mg/L	02/25/21 - 03/06/24	13	38	CB around linear reg	-29.5	151
MW-30	UA	E004	Thallium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.002	0.002
MW-30	UA	E004	Total Dissolved Solids	mg/L	02/25/21 - 03/06/24	12	0	CB around linear reg	566	494
MW-31	UA	E004	Antimony, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-31	UA	E004	Arsenic, total	mg/L	02/24/21 - 03/06/24	13	8	CI around mean	0.00246	0.00480
MW-31	UA	E004	Barium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.214	0.150
MW-31	UA	E004	Beryllium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-31	UA	E004	Boron, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.242	0.296
MW-31	UA	E004	Cadmium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-31	UA	E004	Chloride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	46.4	18.0
MW-31	UA	E004	Chromium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0015	0.00950
MW-31	UA	E004	Cobalt, total	mg/L	02/24/21 - 03/06/24	13	77	CI around median	0.001	0.00390
MW-31	UA	E004	Fluoride, total	mg/L	02/24/21 - 03/06/24	13	0	CI around median	0.17	0.510
MW-31	UA	E004	Lead, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.00510
MW-31	UA	E004	Lithium, total	mg/L	02/24/21 - 03/06/24	13	0	CI around mean	0.00479	0.0120
MW-31	UA	E004	Mercury, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.0002	0.0002
MW-31	UA	E004	Molybdenum, total	mg/L	02/24/21 - 03/06/24	13	54	CB around T-S line	-0.00557	0.00620
MW-31	UA	E004	pH (field)	SU	02/24/21 - 03/06/24	13	0	CI around mean	6.5/6.7	5.6/7.6
MW-31	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/06/24	13	0	CI around mean	0.62	1.00
MW-31	UA	E004	Selenium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.001	0.00180
MW-31	UA	E004	Sulfate, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	10	151
MW-31	UA	E004	Thallium, total	mg/L	02/24/21 - 03/06/24	13	100	All ND - Last	0.002	0.002
MW-31	UA	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/06/24	12	0	CI around mean	577	494
MW-31S	USCU	E004	Antimony, total	mg/L	02/24/21 - 03/04/24	12	83	CI around median	0.001	0.001
MW-31S	USCU	E004	Arsenic, total	mg/L	02/24/21 - 03/04/24	12	0	CI around mean	0.00602	0.00480
MW-31S	USCU	E004	Barium, total	mg/L	02/24/21 - 03/04/24	12	0	CI around geomean	0.206	0.150
MW-31S	USCU	E004	Beryllium, total	mg/L	02/24/21 - 03/04/24	12	92	CI around median	0.001	0.001

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-31S	USCU	E004	Boron, total	mg/L	02/24/21 - 03/04/24	12	8	CI around mean	0.0366	0.296
MW-31S	USCU	E004	Cadmium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.001	0.001
MW-31S	USCU	E004	Chloride, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	14.6	18.0
MW-31S	USCU	E004	Chromium, total	mg/L	02/24/21 - 03/04/24	12	50	CI around median	0.0015	0.00950
MW-31S	USCU	E004	Cobalt, total	mg/L	02/24/21 - 03/04/24	12	0	CI around geomean	0.0031	0.00390
MW-31S	USCU	E004	Fluoride, total	mg/L	02/24/21 - 03/04/24	11	0	CI around mean	0.219	0.510
MW-31S	USCU	E004	Lead, total	mg/L	02/24/21 - 03/04/24	12	33	CI around geomean	0.000877	0.00510
MW-31S	USCU	E004	Lithium, total	mg/L	02/24/21 - 03/04/24	12	58	CI around median	0.003	0.0120
MW-31S	USCU	E004	Mercury, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.0002	0.0002
MW-31S	USCU	E004	Molybdenum, total	mg/L	02/24/21 - 03/04/24	12	33	CI around mean	0.00209	0.00620
MW-31S	USCU	E004	pH (field)	SU	02/24/21 - 03/04/24	13	0	CI around mean	6.5/6.7	5.6/7.6
MW-31S	USCU	E004	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 03/04/24	11	0	CI around mean	0.926	1.00
MW-31S	USCU	E004	Selenium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.001	0.00180
MW-31S	USCU	E004	Sulfate, total	mg/L	02/24/21 - 03/04/24	11	18	CB around linear reg	-102	151
MW-31S	USCU	E004	Thallium, total	mg/L	02/24/21 - 03/04/24	12	100	All ND - Last	0.002	0.002
MW-31S	USCU	E004	Total Dissolved Solids	mg/L	02/24/21 - 03/04/24	10	0	CB around linear reg	546	494
MW-32	UA	E004	Antimony, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-32	UA	E004	Arsenic, total	mg/L	02/25/21 - 03/06/24	13	92	CI around median	0.001	0.00480
MW-32	UA	E004	Barium, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	0.0286	0.150
MW-32	UA	E004	Beryllium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-32	UA	E004	Boron, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	1.53	0.296
MW-32	UA	E004	Cadmium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.001
MW-32	UA	E004	Chloride, total	mg/L	02/25/21 - 03/06/24	13	0	CB around linear reg	9.58	18.0
MW-32	UA	E004	Chromium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0015	0.00950
MW-32	UA	E004	Cobalt, total	mg/L	02/25/21 - 03/06/24	13	77	CI around median	0.001	0.00390
MW-32	UA	E004	Fluoride, total	mg/L	02/25/21 - 03/06/24	13	0	CI around median	0.17	0.510
MW-32	UA	E004	Lead, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.00510

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-32	UA	E004	Lithium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.003	0.0120
MW-32	UA	E004	Mercury, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0002	0.0002
MW-32	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.0015	0.00620
MW-32	UA	E004	pH (field)	SU	02/25/21 - 03/06/24	13	0	CI around mean	6.3/6.5	5.6/7.6
MW-32	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	13	0	CI around mean	0.143	1.00
MW-32	UA	E004	Selenium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.001	0.00180
MW-32	UA	E004	Sulfate, total	mg/L	02/25/21 - 03/06/24	13	0	CI around mean	391	151
MW-32	UA	E004	Thallium, total	mg/L	02/25/21 - 03/06/24	13	100	All ND - Last	0.002	0.002
MW-32	UA	E004	Total Dissolved Solids	mg/L	02/25/21 - 03/06/24	12	0	CB around linear reg	1,000	494
PZ-4C	UA	E004	Antimony, total	mg/L	02/25/21 - 03/06/24	12	83	CI around median	0.001	0.001
PZ-4C	UA	E004	Arsenic, total	mg/L	02/25/21 - 03/06/24	12	42	CI around geomean	0.000988	0.00480
PZ-4C	UA	E004	Barium, total	mg/L	02/25/21 - 03/06/24	12	0	CI around median	0.247	0.150
PZ-4C	UA	E004	Beryllium, total	mg/L	02/25/21 - 03/06/24	12	92	CI around median	0.001	0.001
PZ-4C	UA	E004	Boron, total	mg/L	02/25/21 - 03/06/24	12	0	CI around mean	1.38	0.296
PZ-4C	UA	E004	Cadmium, total	mg/L	02/25/21 - 03/06/24	12	92	CI around median	0.001	0.001
PZ-4C	UA	E004	Chloride, total	mg/L	02/25/21 - 03/06/24	12	0	CB around linear reg	30.8	18.0
PZ-4C	UA	E004	Chromium, total	mg/L	02/25/21 - 03/06/24	12	42	CI around median	0.0015	0.00950
PZ-4C	UA	E004	Cobalt, total	mg/L	02/25/21 - 03/06/24	12	75	CI around median	0.001	0.00390
PZ-4C	UA	E004	Fluoride, total	mg/L	02/25/21 - 03/06/24	12	0	CI around mean	0.379	0.510
PZ-4C	UA	E004	Lead, total	mg/L	02/25/21 - 03/06/24	12	58	CI around median	0.001	0.00510
PZ-4C	UA	E004	Lithium, total	mg/L	02/25/21 - 03/06/24	12	0	CI around median	0.0067	0.0120
PZ-4C	UA	E004	Mercury, total	mg/L	02/25/21 - 03/06/24	12	92	CI around median	0.0002	0.0002
PZ-4C	UA	E004	Molybdenum, total	mg/L	02/25/21 - 03/06/24	12	75	CI around median	0.0015	0.00620
PZ-4C	UA	E004	pH (field)	SU	02/25/21 - 03/06/24	12	0	CI around mean	6.6/7.1	5.6/7.6
PZ-4C	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 03/06/24	12	0	CI around geomean	0.52	1.00
PZ-4C	UA	E004	Selenium, total	mg/L	02/25/21 - 03/06/24	12	100	All ND - Last	0.001	0.00180
PZ-4C	UA	E004	Sulfate, total	mg/L	02/25/21 - 03/06/24	12	0	CI around mean	60.7	151

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-4C	UA	E004	Thallium, total	mg/L	02/25/21 - 03/06/24	12	100	All ND - Last	0.002	0.002
PZ-4C	UA	E004	Total Dissolved Solids	mg/L	02/25/21 - 03/06/24	11	0	CI around mean	537	494

Notes:
- = no data available
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
 UA = Uppermost Aquifer
 USCU = Upper Semi-Confining Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
 All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
 CB around T-S line = Confidence band around Thiel-Sen line
 CB around linear reg = Confidence band around linear regression
 CI around geomean = Confidence interval around the geometric mean
 CI around mean = Confidence interval around the mean
 CI around median = Confidence interval around the median
 Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-3	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	28	97	CI around median	0.001	0.001
MW-3	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.00480
MW-3	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	28	0	CI around median	0.0453	0.150
MW-3	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.001
MW-3	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	28	0	CI around median	1.56	0.296
MW-3	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.001
MW-3	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	28	0	CB around linear reg	27.2	18.0
MW-3	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	28	97	CB around T-S line	0.0015	0.00950
MW-3	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	28	88	CI around median	0.001	0.00390
MW-3	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	28	0	CI around mean	0.241	0.510
MW-3	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.00510
MW-3	UA	E005	Lithium, total	mg/L	02/25/21 - 05/20/24	14	93	CI around median	0.003	0.0120
MW-3	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.0002	0.0002
MW-3	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.00620
MW-3	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	28	0	CI around mean	6.7/6.9	5.6/7.6
MW-3	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 05/20/24	24	0	CI around median	0.36	1.00
MW-3	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	28	100	All ND - Last	0.001	0.00180
MW-3	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	28	0	CB around linear reg	114	151
MW-3	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	28	97	CB around T-S line	0.002	0.002
MW-3	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	28	0	CB around linear reg	539	494
MW-5	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-5	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	84	CB around T-S line	0.001	0.00480
MW-5	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.147	0.150
MW-5	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-5	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.53	0.296
MW-5	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.001
MW-5	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	44.9	18.0

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-5	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	92	CB around T-S line	0.0015	0.00950
MW-5	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	86	CI around median	0.001	0.00390
MW-5	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	3	CI around median	0.16	0.510
MW-5	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	92	CI around median	0.001	0.00510
MW-5	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	33	CB around T-S line	0.003	0.0120
MW-5	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.0002
MW-5	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	96	CB around T-S line	0.00145	0.00620
MW-5	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-5	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.265	1.00
MW-5	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00180
MW-5	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	32	CI around median	10	151
MW-5	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	97	CB around T-S line	0.00184	0.002
MW-5	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	708	494
MW-6	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-6	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00480
MW-6	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.0379	0.150
MW-6	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-6	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.961	0.296
MW-6	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.001
MW-6	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	54	CB around T-S line	2.23	18.0
MW-6	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	86	CB around T-S line	0.0015	0.00950
MW-6	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00390
MW-6	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.192	0.510
MW-6	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00510
MW-6	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	88	CB around T-S line	0.00281	0.0120
MW-6	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.0002
MW-6	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	100	All ND - Last	0.0015	0.00620

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-6	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.3/6.6	5.6/7.6
MW-6	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.37	1.00
MW-6	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	92	CI around median	0.001	0.00180
MW-6	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	68.4	151
MW-6	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002
MW-6	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	387	494
MW-7	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-7	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	70	CI around median	0.001	0.00480
MW-7	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.031	0.150
MW-7	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-7	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.225	0.296
MW-7	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.001
MW-7	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	76	CB around T-S line	2.55	18.0
MW-7	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	95	CB around T-S line	0.0015	0.00950
MW-7	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	81	CI around median	0.001	0.00390
MW-7	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.254	0.510
MW-7	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00510
MW-7	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	42	CI around median	0.003	0.0120
MW-7	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.0002
MW-7	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	4	CI around mean	0.00254	0.00620
MW-7	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.7/7.0	5.6/7.6
MW-7	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around geomean	0.457	1.00
MW-7	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00180
MW-7	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CI around geomean	175	151
MW-7	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002
MW-7	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	573	494
MW-7S	USCU	E005	Antimony, total	mg/L	02/24/21 - 05/20/24	12	92	CI around median	0.001	0.001

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-7S	USCU	E005	Arsenic, total	mg/L	02/24/21 - 05/20/24	12	0	CI around median	0.0059	0.00480
MW-7S	USCU	E005	Barium, total	mg/L	02/24/21 - 05/20/24	12	0	CI around median	0.039	0.150
MW-7S	USCU	E005	Beryllium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.001
MW-7S	USCU	E005	Boron, total	mg/L	02/24/21 - 05/20/24	12	0	CI around mean	3.9	0.296
MW-7S	USCU	E005	Cadmium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.001
MW-7S	USCU	E005	Chloride, total	mg/L	02/24/21 - 05/20/24	12	0	CI around mean	9.58	18.0
MW-7S	USCU	E005	Chromium, total	mg/L	02/24/21 - 05/20/24	12	50	CI around geomean	0.00155	0.00950
MW-7S	USCU	E005	Cobalt, total	mg/L	02/24/21 - 05/20/24	12	17	CI around median	0.0012	0.00390
MW-7S	USCU	E005	Fluoride, total	mg/L	02/24/21 - 05/20/24	12	0	CB around linear reg	0.259	0.510
MW-7S	USCU	E005	Lead, total	mg/L	02/24/21 - 05/20/24	12	75	CI around median	0.001	0.00510
MW-7S	USCU	E005	Lithium, total	mg/L	02/24/21 - 05/20/24	12	92	CI around median	0.003	0.0120
MW-7S	USCU	E005	Mercury, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.0002	0.0002
MW-7S	USCU	E005	Molybdenum, total	mg/L	02/24/21 - 05/20/24	12	67	CI around median	0.0015	0.00620
MW-7S	USCU	E005	pH (field)	SU	02/24/21 - 05/20/24	12	0	CI around median	6.5/6.8	5.6/7.6
MW-7S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/20/24	12	0	CI around mean	0.18	1.00
MW-7S	USCU	E005	Selenium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.001	0.00180
MW-7S	USCU	E005	Sulfate, total	mg/L	02/24/21 - 05/20/24	12	0	CI around mean	423	151
MW-7S	USCU	E005	Thallium, total	mg/L	02/24/21 - 05/20/24	12	100	All ND - Last	0.002	0.002
MW-7S	USCU	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/20/24	11	0	CI around median	1,010	494
MW-8	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-8	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00480
MW-8	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.0197	0.150
MW-8	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-8	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around median	0.954	0.296
MW-8	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.001
MW-8	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	12.9	18.0
MW-8	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.0015	0.00950

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-8	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	27	CI around geomean	0.00102	0.00390
MW-8	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	0.216	0.510
MW-8	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00510
MW-8	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	54	CB around T-S line	0.00295	0.0120
MW-8	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.0002
MW-8	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	100	All ND - Last	0.0015	0.00620
MW-8	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CI around mean	6.6/6.7	5.6/7.6
MW-8	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.2	1.00
MW-8	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00180
MW-8	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	204	151
MW-8	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002
MW-8	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	766	494
MW-8S	USCU	E005	Antimony, total	mg/L	--	--	--	--	--	0.001
MW-8S	USCU	E005	Arsenic, total	mg/L	--	--	--	--	--	0.00480
MW-8S	USCU	E005	Barium, total	mg/L	--	--	--	--	--	0.150
MW-8S	USCU	E005	Beryllium, total	mg/L	--	--	--	--	--	0.001
MW-8S	USCU	E005	Boron, total	mg/L	--	--	--	--	--	0.296
MW-8S	USCU	E005	Cadmium, total	mg/L	--	--	--	--	--	0.001
MW-8S	USCU	E005	Chloride, total	mg/L	--	--	--	--	--	18.0
MW-8S	USCU	E005	Chromium, total	mg/L	--	--	--	--	--	0.00950
MW-8S	USCU	E005	Cobalt, total	mg/L	--	--	--	--	--	0.00390
MW-8S	USCU	E005	Fluoride, total	mg/L	--	--	--	--	--	0.510
MW-8S	USCU	E005	Lead, total	mg/L	--	--	--	--	--	0.00510
MW-8S	USCU	E005	Lithium, total	mg/L	--	--	--	--	--	0.0120
MW-8S	USCU	E005	Mercury, total	mg/L	--	--	--	--	--	0.0002
MW-8S	USCU	E005	Molybdenum, total	mg/L	--	--	--	--	--	0.00620
MW-8S	USCU	E005	pH (field)	SU	--	--	--	--	--	5.6/7.6

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-8S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	1.00
MW-8S	USCU	E005	Selenium, total	mg/L	--	--	--	--	--	0.00180
MW-8S	USCU	E005	Sulfate, total	mg/L	--	--	--	--	--	151
MW-8S	USCU	E005	Thallium, total	mg/L	--	--	--	--	--	0.002
MW-8S	USCU	E005	Total Dissolved Solids	mg/L	--	--	--	--	--	494
MW-11	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	97	CI around median	0.001	0.001
MW-11	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	25	CI around median	0.0012	0.00480
MW-11	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.11	0.150
MW-11	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-11	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	1.56	0.296
MW-11	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.001
MW-11	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around T-S line	28.4	18.0
MW-11	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	97	CB around T-S line	0.0015	0.00950
MW-11	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	94	CI around median	0.001	0.00390
MW-11	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	0.491	0.510
MW-11	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00510
MW-11	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	50	CB around linear reg	0.00284	0.0120
MW-11	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.0002
MW-11	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	4	CI around median	0.0021	0.00620
MW-11	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.5/6.8	5.6/7.6
MW-11	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around mean	0.55	1.00
MW-11	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	66	CI around median	0.001	0.00180
MW-11	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	108	151
MW-11	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002
MW-11	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	627	494
MW-12	UA	E005	Antimony, total	mg/L	12/15/15 - 05/20/24	30	97	CI around median	0.001	0.001
MW-12	UA	E005	Arsenic, total	mg/L	12/15/15 - 05/20/24	32	91	CB around T-S line	0.001	0.00480

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MW-12	UA	E005	Barium, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	0.0618	0.150
MW-12	UA	E005	Beryllium, total	mg/L	12/15/15 - 05/20/24	30	100	All ND - Last	0.001	0.001
MW-12	UA	E005	Boron, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	2.71	0.296
MW-12	UA	E005	Cadmium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.001	0.001
MW-12	UA	E005	Chloride, total	mg/L	12/15/15 - 05/20/24	32	0	CB around linear reg	19.9	18.0
MW-12	UA	E005	Chromium, total	mg/L	12/15/15 - 05/20/24	32	97	CB around T-S line	0.0015	0.00950
MW-12	UA	E005	Cobalt, total	mg/L	12/15/15 - 05/20/24	32	100	All ND - Last	0.001	0.00390
MW-12	UA	E005	Fluoride, total	mg/L	12/15/15 - 05/20/24	32	0	CI around median	0.18	0.510
MW-12	UA	E005	Lead, total	mg/L	12/15/15 - 05/20/24	32	97	CI around median	0.001	0.00510
MW-12	UA	E005	Lithium, total	mg/L	12/15/15 - 05/20/24	24	0	CI around mean	0.0085	0.0120
MW-12	UA	E005	Mercury, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.0002	0.0002
MW-12	UA	E005	Molybdenum, total	mg/L	12/15/15 - 05/20/24	24	83	CB around T-S line	0.0015	0.00620
MW-12	UA	E005	pH (field)	SU	12/15/15 - 05/20/24	32	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-12	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 05/20/24	33	0	CI around median	0.447	1.00
MW-12	UA	E005	Selenium, total	mg/L	12/15/15 - 05/20/24	32	97	CI around median	0.001	0.00180
MW-12	UA	E005	Sulfate, total	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	363	151
MW-12	UA	E005	Thallium, total	mg/L	12/15/15 - 05/20/24	29	100	All ND - Last	0.002	0.002
MW-12	UA	E005	Total Dissolved Solids	mg/L	12/15/15 - 05/20/24	32	0	CI around mean	1,080	494
MW-20	UA	E005	Antimony, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.001	0.001
MW-20	UA	E005	Arsenic, total	mg/L	02/26/21 - 05/20/24	14	50	CI around median	0.001	0.00480
MW-20	UA	E005	Barium, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.0649	0.150
MW-20	UA	E005	Beryllium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-20	UA	E005	Boron, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.566	0.296
MW-20	UA	E005	Cadmium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-20	UA	E005	Chloride, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	18.8	18.0
MW-20	UA	E005	Chromium, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.0015	0.00950
MW-20	UA	E005	Cobalt, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.001	0.00390

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-20	UA	E005	Fluoride, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	0.313	0.510
MW-20	UA	E005	Lead, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.00510
MW-20	UA	E005	Lithium, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	-0.00308	0.0120
MW-20	UA	E005	Mercury, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0002	0.0002
MW-20	UA	E005	Molybdenum, total	mg/L	02/26/21 - 05/20/24	14	7	CB around linear reg	-0.000361	0.00620
MW-20	UA	E005	pH (field)	SU	02/26/21 - 05/20/24	14	0	CI around mean	6.8/7.0	5.6/7.6
MW-20	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/20/24	14	0	CI around mean	0.263	1.00
MW-20	UA	E005	Selenium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.00180
MW-20	UA	E005	Sulfate, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	148	151
MW-20	UA	E005	Thallium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.002	0.002
MW-20	UA	E005	Total Dissolved Solids	mg/L	02/26/21 - 05/20/24	13	0	CB around linear reg	655	494
MW-20S	USCU	E005	Antimony, total	mg/L	02/26/21 - 05/21/24	14	93	CI around median	0.001	0.001
MW-20S	USCU	E005	Arsenic, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.00480
MW-20S	USCU	E005	Barium, total	mg/L	02/26/21 - 05/21/24	14	7	CI around median	0.0346	0.150
MW-20S	USCU	E005	Beryllium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.001
MW-20S	USCU	E005	Boron, total	mg/L	02/26/21 - 05/21/24	14	0	CB around linear reg	1.31	0.296
MW-20S	USCU	E005	Cadmium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.001
MW-20S	USCU	E005	Chloride, total	mg/L	02/26/21 - 05/21/24	14	0	CI around mean	17.7	18.0
MW-20S	USCU	E005	Chromium, total	mg/L	02/26/21 - 05/21/24	14	93	CI around median	0.0015	0.00950
MW-20S	USCU	E005	Cobalt, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.00390
MW-20S	USCU	E005	Fluoride, total	mg/L	02/26/21 - 05/21/24	14	0	CI around mean	0.177	0.510
MW-20S	USCU	E005	Lead, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.00510
MW-20S	USCU	E005	Lithium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.003	0.0120
MW-20S	USCU	E005	Mercury, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.0002	0.0002
MW-20S	USCU	E005	Molybdenum, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.0015	0.00620
MW-20S	USCU	E005	pH (field)	SU	02/26/21 - 05/21/24	14	0	CI around mean	6.5/6.8	5.6/7.6
MW-20S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/21/24	14	0	CI around mean	0.158	1.00

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MW-20S	USCU	E005	Selenium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.001	0.00180
MW-20S	USCU	E005	Sulfate, total	mg/L	02/26/21 - 05/21/24	14	0	CB around linear reg	320	151
MW-20S	USCU	E005	Thallium, total	mg/L	02/26/21 - 05/21/24	14	100	All ND - Last	0.002	0.002
MW-20S	USCU	E005	Total Dissolved Solids	mg/L	02/26/21 - 05/21/24	13	0	CB around linear reg	943	494
MW-23	UA	E005	Antimony, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-23	UA	E005	Arsenic, total	mg/L	02/26/21 - 05/20/24	14	43	CB around T-S line	0.001	0.00480
MW-23	UA	E005	Barium, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	0.0837	0.150
MW-23	UA	E005	Beryllium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-23	UA	E005	Boron, total	mg/L	02/26/21 - 05/20/24	14	0	CI around median	1.95	0.296
MW-23	UA	E005	Cadmium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-23	UA	E005	Chloride, total	mg/L	02/26/21 - 05/20/24	14	0	CB around linear reg	24.1	18.0
MW-23	UA	E005	Chromium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0015	0.00950
MW-23	UA	E005	Cobalt, total	mg/L	02/26/21 - 05/20/24	14	36	CI around median	0.001	0.00390
MW-23	UA	E005	Fluoride, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	0.344	0.510
MW-23	UA	E005	Lead, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.00510
MW-23	UA	E005	Lithium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.003	0.0120
MW-23	UA	E005	Mercury, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.0002	0.0002
MW-23	UA	E005	Molybdenum, total	mg/L	02/26/21 - 05/20/24	14	93	CI around median	0.0015	0.00620
MW-23	UA	E005	pH (field)	SU	02/26/21 - 05/20/24	14	0	CI around mean	6.5/6.8	5.6/7.6
MW-23	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 05/20/24	14	0	CI around mean	0.236	1.00
MW-23	UA	E005	Selenium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.001	0.00180
MW-23	UA	E005	Sulfate, total	mg/L	02/26/21 - 05/20/24	14	0	CI around mean	41.9	151
MW-23	UA	E005	Thallium, total	mg/L	02/26/21 - 05/20/24	14	100	All ND - Last	0.002	0.002
MW-23	UA	E005	Total Dissolved Solids	mg/L	02/26/21 - 05/20/24	13	0	CI around mean	584	494
MW-27	USCU	E005	Antimony, total	mg/L	02/24/21 - 05/21/24	11	82	CI around median	0.001	0.001
MW-27	USCU	E005	Arsenic, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.00377	0.00480
MW-27	USCU	E005	Barium, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.0864	0.150

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-27	USCU	E005	Beryllium, total	mg/L	02/24/21 - 05/21/24	11	73	CI around median	0.001	0.001
MW-27	USCU	E005	Boron, total	mg/L	02/24/21 - 05/21/24	11	0	CI around mean	1	0.296
MW-27	USCU	E005	Cadmium, total	mg/L	02/24/21 - 05/21/24	11	91	CI around median	0.001	0.001
MW-27	USCU	E005	Chloride, total	mg/L	02/24/21 - 05/21/24	11	0	CI around mean	13.6	18.0
MW-27	USCU	E005	Chromium, total	mg/L	02/24/21 - 05/21/24	11	9	CI around geomean	0.00355	0.00950
MW-27	USCU	E005	Cobalt, total	mg/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.0024	0.00390
MW-27	USCU	E005	Fluoride, total	mg/L	02/24/21 - 05/21/24	11	0	CI around median	0.17	0.510
MW-27	USCU	E005	Lead, total	mg/L	02/24/21 - 05/21/24	11	9	CI around geomean	0.00173	0.00510
MW-27	USCU	E005	Lithium, total	mg/L	02/24/21 - 05/21/24	11	27	CI around geomean	0.00364	0.0120
MW-27	USCU	E005	Mercury, total	mg/L	02/24/21 - 05/21/24	11	82	CI around median	0.0002	0.0002
MW-27	USCU	E005	Molybdenum, total	mg/L	02/24/21 - 05/21/24	11	18	CI around geomean	0.00224	0.00620
MW-27	USCU	E005	pH (field)	SU	02/24/21 - 05/21/24	12	0	CI around mean	6.6/6.9	5.6/7.6
MW-27	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	11	0	CI around geomean	0.425	1.00
MW-27	USCU	E005	Selenium, total	mg/L	02/24/21 - 05/21/24	11	100	All ND - Last	0.001	0.00180
MW-27	USCU	E005	Sulfate, total	mg/L	02/24/21 - 05/21/24	11	0	CI around mean	266	151
MW-27	USCU	E005	Thallium, total	mg/L	02/24/21 - 05/21/24	11	91	CI around median	0.002	0.002
MW-27	USCU	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/21/24	10	0	CI around mean	739	494
MW-28	UA	E005	Antimony, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-28	UA	E005	Arsenic, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.00480
MW-28	UA	E005	Barium, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	0.0226	0.150
MW-28	UA	E005	Beryllium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-28	UA	E005	Boron, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	8.83	0.296
MW-28	UA	E005	Cadmium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-28	UA	E005	Chloride, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	12.6	18.0
MW-28	UA	E005	Chromium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.0015	0.00950
MW-28	UA	E005	Cobalt, total	mg/L	02/24/21 - 05/20/24	14	86	CI around median	0.001	0.00390
MW-28	UA	E005	Fluoride, total	mg/L	02/24/21 - 05/20/24	14	0	CI around median	0.13	0.510

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MW-28	UA	E005	Lead, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.00510
MW-28	UA	E005	Lithium, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	0.00618	0.0120
MW-28	UA	E005	Mercury, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.0002	0.0002
MW-28	UA	E005	Molybdenum, total	mg/L	02/24/21 - 05/20/24	14	93	CI around median	0.0015	0.00620
MW-28	UA	E005	pH (field)	SU	02/24/21 - 05/20/24	14	0	CI around mean	6.6/6.8	5.6/7.6
MW-28	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/20/24	14	0	CB around linear reg	0.251	1.00
MW-28	UA	E005	Selenium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.001	0.00180
MW-28	UA	E005	Sulfate, total	mg/L	02/24/21 - 05/20/24	14	0	CI around mean	823	151
MW-28	UA	E005	Thallium, total	mg/L	02/24/21 - 05/20/24	14	100	All ND - Last	0.002	0.002
MW-28	UA	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/20/24	13	0	CI around mean	1,630	494
MW-30	UA	E005	Antimony, total	mg/L	02/25/21 - 05/20/24	14	93	Most recent sample	0.001	0.001
MW-30	UA	E005	Arsenic, total	mg/L	02/25/21 - 05/20/24	14	7	CB around linear reg	0.00427	0.00480
MW-30	UA	E005	Barium, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	0.153	0.150
MW-30	UA	E005	Beryllium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-30	UA	E005	Boron, total	mg/L	02/25/21 - 05/20/24	14	0	CI around geomean	1.09	0.296
MW-30	UA	E005	Cadmium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-30	UA	E005	Chloride, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	37.8	18.0
MW-30	UA	E005	Chromium, total	mg/L	02/25/21 - 05/20/24	14	79	CI around median	0.0015	0.00950
MW-30	UA	E005	Cobalt, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	0.00207	0.00390
MW-30	UA	E005	Fluoride, total	mg/L	02/25/21 - 05/20/24	14	0	CB around T-S line	0.323	0.510
MW-30	UA	E005	Lead, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.00510
MW-30	UA	E005	Lithium, total	mg/L	02/25/21 - 05/20/24	14	86	CB around T-S line	-0.00594	0.0120
MW-30	UA	E005	Mercury, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0002	0.0002
MW-30	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	29	CI around median	0.0015	0.00620
MW-30	UA	E005	pH (field)	SU	02/25/21 - 05/20/24	14	0	CI around mean	6.4/6.6	5.6/7.6
MW-30	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/20/24	14	0	CI around geomean	0.576	1.00
MW-30	UA	E005	Selenium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.00180

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MW-30	UA	E005	Sulfate, total	mg/L	02/25/21 - 05/20/24	14	43	CB around linear reg	-25.6	151
MW-30	UA	E005	Thallium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.002	0.002
MW-30	UA	E005	Total Dissolved Solids	mg/L	02/25/21 - 05/20/24	13	0	CB around linear reg	557	494
MW-31	UA	E005	Antimony, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.001
MW-31	UA	E005	Arsenic, total	mg/L	02/24/21 - 05/21/24	14	7	CI around mean	0.00251	0.00480
MW-31	UA	E005	Barium, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.212	0.150
MW-31	UA	E005	Beryllium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.001
MW-31	UA	E005	Boron, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.243	0.296
MW-31	UA	E005	Cadmium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.001
MW-31	UA	E005	Chloride, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	45.8	18.0
MW-31	UA	E005	Chromium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.0015	0.00950
MW-31	UA	E005	Cobalt, total	mg/L	02/24/21 - 05/21/24	14	71	CI around median	0.001	0.00390
MW-31	UA	E005	Fluoride, total	mg/L	02/24/21 - 05/21/24	14	0	CI around median	0.17	0.510
MW-31	UA	E005	Lead, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.00510
MW-31	UA	E005	Lithium, total	mg/L	02/24/21 - 05/21/24	14	0	CI around mean	0.00458	0.0120
MW-31	UA	E005	Mercury, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.0002	0.0002
MW-31	UA	E005	Molybdenum, total	mg/L	02/24/21 - 05/21/24	14	57	CB around T-S line	-0.00469	0.00620
MW-31	UA	E005	pH (field)	SU	02/24/21 - 05/21/24	14	0	CI around mean	6.5/6.7	5.6/7.6
MW-31	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	14	0	CI around mean	0.593	1.00
MW-31	UA	E005	Selenium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.001	0.00180
MW-31	UA	E005	Sulfate, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	10	151
MW-31	UA	E005	Thallium, total	mg/L	02/24/21 - 05/21/24	14	100	All ND - Last	0.002	0.002
MW-31	UA	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/21/24	13	0	CI around mean	581	494
MW-31S	USCU	E005	Antimony, total	mg/L	02/24/21 - 05/21/24	13	85	CI around median	0.001	0.001
MW-31S	USCU	E005	Arsenic, total	mg/L	02/24/21 - 05/21/24	13	0	CI around mean	0.00588	0.00480
MW-31S	USCU	E005	Barium, total	mg/L	02/24/21 - 05/21/24	13	0	CI around geomean	0.207	0.150
MW-31S	USCU	E005	Beryllium, total	mg/L	02/24/21 - 05/21/24	13	92	CI around median	0.001	0.001

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MW-31S	USCU	E005	Boron, total	mg/L	02/24/21 - 05/21/24	13	8	CI around median	0.0362	0.296
MW-31S	USCU	E005	Cadmium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.001	0.001
MW-31S	USCU	E005	Chloride, total	mg/L	02/24/21 - 05/21/24	12	0	CI around median	15	18.0
MW-31S	USCU	E005	Chromium, total	mg/L	02/24/21 - 05/21/24	13	54	CI around median	0.0015	0.00950
MW-31S	USCU	E005	Cobalt, total	mg/L	02/24/21 - 05/21/24	13	0	CI around geomean	0.00266	0.00390
MW-31S	USCU	E005	Fluoride, total	mg/L	02/24/21 - 05/21/24	12	0	CI around mean	0.217	0.510
MW-31S	USCU	E005	Lead, total	mg/L	02/24/21 - 05/21/24	13	38	CI around median	0.001	0.00510
MW-31S	USCU	E005	Lithium, total	mg/L	02/24/21 - 05/21/24	13	54	CI around median	0.003	0.0120
MW-31S	USCU	E005	Mercury, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.0002	0.0002
MW-31S	USCU	E005	Molybdenum, total	mg/L	02/24/21 - 05/21/24	13	38	CI around mean	0.00201	0.00620
MW-31S	USCU	E005	pH (field)	SU	02/24/21 - 05/21/24	14	0	CI around mean	6.5/6.7	5.6/7.6
MW-31S	USCU	E005	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 05/21/24	12	0	CI around mean	0.905	1.00
MW-31S	USCU	E005	Selenium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.001	0.00180
MW-31S	USCU	E005	Sulfate, total	mg/L	02/24/21 - 05/21/24	12	17	CB around linear reg	-85.2	151
MW-31S	USCU	E005	Thallium, total	mg/L	02/24/21 - 05/21/24	13	100	All ND - Last	0.002	0.002
MW-31S	USCU	E005	Total Dissolved Solids	mg/L	02/24/21 - 05/21/24	11	0	CB around linear reg	583	494
MW-32	UA	E005	Antimony, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-32	UA	E005	Arsenic, total	mg/L	02/25/21 - 05/20/24	14	93	CI around median	0.001	0.00480
MW-32	UA	E005	Barium, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	0.028	0.150
MW-32	UA	E005	Beryllium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-32	UA	E005	Boron, total	mg/L	02/25/21 - 05/20/24	14	0	CI around mean	1.53	0.296
MW-32	UA	E005	Cadmium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.001
MW-32	UA	E005	Chloride, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	9.41	18.0
MW-32	UA	E005	Chromium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.00950
MW-32	UA	E005	Cobalt, total	mg/L	02/25/21 - 05/20/24	14	79	CI around median	0.001	0.00390
MW-32	UA	E005	Fluoride, total	mg/L	02/25/21 - 05/20/24	14	0	CI around median	0.17	0.510
MW-32	UA	E005	Lead, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.00510

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-32	UA	E005	Lithium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.003	0.0120
MW-32	UA	E005	Mercury, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0002	0.0002
MW-32	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.0015	0.00620
MW-32	UA	E005	pH (field)	SU	02/25/21 - 05/20/24	14	0	CI around mean	6.3/6.5	5.6/7.6
MW-32	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/20/24	14	0	CI around mean	0.155	1.00
MW-32	UA	E005	Selenium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.001	0.00180
MW-32	UA	E005	Sulfate, total	mg/L	02/25/21 - 05/20/24	14	0	CB around linear reg	314	151
MW-32	UA	E005	Thallium, total	mg/L	02/25/21 - 05/20/24	14	100	All ND - Last	0.002	0.002
MW-32	UA	E005	Total Dissolved Solids	mg/L	02/25/21 - 05/20/24	13	0	CB around linear reg	998	494
PZ-4C	UA	E005	Antimony, total	mg/L	02/25/21 - 05/21/24	13	85	CI around median	0.001	0.001
PZ-4C	UA	E005	Arsenic, total	mg/L	02/25/21 - 05/21/24	13	38	CI around median	0.001	0.00480
PZ-4C	UA	E005	Barium, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	0.25	0.150
PZ-4C	UA	E005	Beryllium, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.001	0.001
PZ-4C	UA	E005	Boron, total	mg/L	02/25/21 - 05/21/24	13	0	CI around mean	1.39	0.296
PZ-4C	UA	E005	Cadmium, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.001	0.001
PZ-4C	UA	E005	Chloride, total	mg/L	02/25/21 - 05/21/24	13	0	CB around linear reg	30.4	18.0
PZ-4C	UA	E005	Chromium, total	mg/L	02/25/21 - 05/21/24	13	38	CI around median	0.0015	0.00950
PZ-4C	UA	E005	Cobalt, total	mg/L	02/25/21 - 05/21/24	13	77	CI around median	0.001	0.00390
PZ-4C	UA	E005	Fluoride, total	mg/L	02/25/21 - 05/21/24	13	0	CI around mean	0.379	0.510
PZ-4C	UA	E005	Lead, total	mg/L	02/25/21 - 05/21/24	13	62	CI around median	0.001	0.00510
PZ-4C	UA	E005	Lithium, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	0.0068	0.0120
PZ-4C	UA	E005	Mercury, total	mg/L	02/25/21 - 05/21/24	13	92	CI around median	0.0002	0.0002
PZ-4C	UA	E005	Molybdenum, total	mg/L	02/25/21 - 05/21/24	13	77	CI around median	0.0015	0.00620
PZ-4C	UA	E005	pH (field)	SU	02/25/21 - 05/21/24	13	0	CI around mean	6.6/7.1	5.6/7.6
PZ-4C	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 05/21/24	13	0	CI around geomean	0.567	1.00
PZ-4C	UA	E005	Selenium, total	mg/L	02/25/21 - 05/21/24	13	100	All ND - Last	0.001	0.00180
PZ-4C	UA	E005	Sulfate, total	mg/L	02/25/21 - 05/21/24	13	0	CI around median	67	151

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-4C	UA	E005	Thallium, total	mg/L	02/25/21 - 05/21/24	13	100	All ND - Last	0.002	0.002
PZ-4C	UA	E005	Total Dissolved Solids	mg/L	02/25/21 - 05/21/24	12	0	CI around mean	541	494

Notes:
- = no data available
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
 UA = Uppermost Aquifer
 USCU = Upper Semi-Confining Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
 All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
 CB around T-S line = Confidence band around Thiel-Sen line
 CB around linear reg = Confidence band around linear regression
 CI around geomean = Confidence interval around the geometric mean
 CI around mean = Confidence interval around the mean
 CI around median = Confidence interval around the median
 Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-3	UA	E006	Antimony, total	mg/L	12/15/15 - 08/19/24	29	97	CI around median	0.001	0.001
MW-3	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.00480
MW-3	UA	E006	Barium, total	mg/L	12/15/15 - 08/19/24	29	0	CI around median	0.0453	0.150
MW-3	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.001
MW-3	UA	E006	Boron, total	mg/L	12/15/15 - 08/19/24	29	0	CI around median	1.56	0.296
MW-3	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.001
MW-3	UA	E006	Chloride, total	mg/L	12/15/15 - 08/19/24	29	0	CB around linear reg	27.1	18.0
MW-3	UA	E006	Chromium, total	mg/L	12/15/15 - 08/19/24	29	97	CB around T-S line	0.0015	0.00950
MW-3	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/19/24	29	88	CI around median	0.001	0.00390
MW-3	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/19/24	29	3	CI around mean	0.242	0.510
MW-3	UA	E006	Lead, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.00510
MW-3	UA	E006	Lithium, total	mg/L	02/25/21 - 08/19/24	15	93	CI around median	0.003	0.0120
MW-3	UA	E006	Mercury, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.0002	0.0002
MW-3	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/19/24	15	100	All ND - Last	0.0015	0.00620
MW-3	UA	E006	pH (field)	SU	12/15/15 - 08/19/24	29	0	CB around linear reg	6.4/6.8	5.6/7.6
MW-3	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 08/19/24	25	0	CI around median	0.271	1.00
MW-3	UA	E006	Selenium, total	mg/L	12/15/15 - 08/19/24	29	100	All ND - Last	0.001	0.00180
MW-3	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/19/24	29	0	CB around linear reg	113	151
MW-3	UA	E006	Thallium, total	mg/L	12/15/15 - 08/19/24	29	97	CB around T-S line	0.002	0.002
MW-3	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/19/24	29	0	CB around linear reg	539	494
MW-5	UA	E006	Antimony, total	mg/L	12/15/15 - 08/19/24	31	100	All ND - Last	0.001	0.001
MW-5	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/19/24	33	82	CB around T-S line	0.001	0.00480
MW-5	UA	E006	Barium, total	mg/L	12/15/15 - 08/19/24	33	0	CB around T-S line	0.147	0.150
MW-5	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/19/24	31	100	All ND - Last	0.001	0.001
MW-5	UA	E006	Boron, total	mg/L	12/15/15 - 08/19/24	33	0	CI around mean	0.529	0.296
MW-5	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/19/24	30	100	All ND - Last	0.001	0.001
MW-5	UA	E006	Chloride, total	mg/L	12/15/15 - 08/19/24	33	0	CB around linear reg	44.7	18.0

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
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ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-5	UA	E006	Chromium, total	mg/L	12/15/15 - 08/19/24	33	90	CB around T-S line	0.0015	0.00950
MW-5	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/19/24	33	84	CI around median	0.001	0.00390
MW-5	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/19/24	33	5	CB around T-S line	0.16	0.510
MW-5	UA	E006	Lead, total	mg/L	12/15/15 - 08/19/24	33	90	CI around median	0.001	0.00510
MW-5	UA	E006	Lithium, total	mg/L	12/15/15 - 08/19/24	25	32	CB around T-S line	0.003	0.0120
MW-5	UA	E006	Mercury, total	mg/L	12/15/15 - 08/19/24	30	100	All ND - Last	0.0002	0.0002
MW-5	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/19/24	25	96	CB around T-S line	0.00145	0.00620
MW-5	UA	E006	pH (field)	SU	12/15/15 - 08/19/24	33	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-5	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/19/24	34	0	CI around median	0.3	1.00
MW-5	UA	E006	Selenium, total	mg/L	12/15/15 - 08/19/24	33	100	All ND - Last	0.001	0.00180
MW-5	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/19/24	33	34	CI around median	10	151
MW-5	UA	E006	Thallium, total	mg/L	12/15/15 - 08/19/24	30	97	CB around T-S line	0.00195	0.002
MW-5	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/19/24	33	0	CB around linear reg	716	494
MW-6	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-6	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.00480
MW-6	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0381	0.150
MW-6	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-6	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	0.968	0.296
MW-6	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.001
MW-6	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	55	CB around T-S line	2.45	18.0
MW-6	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	84	CB around T-S line	0.0015	0.00950
MW-6	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.00390
MW-6	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CB around linear reg	0.197	0.510
MW-6	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.00510
MW-6	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	84	CB around T-S line	0.00287	0.0120
MW-6	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.0002
MW-6	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	100	All ND - Last	0.0015	0.00620

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-6	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.3/6.5	5.6/7.6
MW-6	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.417	1.00
MW-6	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	92	CI around median	0.001	0.00180
MW-6	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	70.3	151
MW-6	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002
MW-6	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	491	494
MW-7	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-7	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	68	CI around median	0.001	0.00480
MW-7	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	0.0473	0.150
MW-7	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-7	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	0.232	0.296
MW-7	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.001
MW-7	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	74	CI around median	4	18.0
MW-7	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	95	CB around T-S line	0.0015	0.00950
MW-7	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	79	CB around T-S line	0.001	0.00390
MW-7	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around mean	0.254	0.510
MW-7	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.00510
MW-7	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	44	CI around median	0.003	0.0120
MW-7	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.0002
MW-7	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	4	CI around mean	0.00252	0.00620
MW-7	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.7/7.0	5.6/7.6
MW-7	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around geomean	0.474	1.00
MW-7	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.00180
MW-7	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CI around geomean	178	151
MW-7	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002
MW-7	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	580	494
MW-7S	USCU	E006	Antimony, total	mg/L	02/24/21 - 08/20/24	13	92	CI around median	0.001	0.001

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-7S	USCU	E006	Arsenic, total	mg/L	02/24/21 - 08/20/24	13	0	CI around median	0.0069	0.00480
MW-7S	USCU	E006	Barium, total	mg/L	02/24/21 - 08/20/24	13	0	CI around median	0.0402	0.150
MW-7S	USCU	E006	Beryllium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.001
MW-7S	USCU	E006	Boron, total	mg/L	02/24/21 - 08/20/24	13	0	CI around mean	3.91	0.296
MW-7S	USCU	E006	Cadmium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.001
MW-7S	USCU	E006	Chloride, total	mg/L	02/24/21 - 08/20/24	13	0	CB around linear reg	6.7	18.0
MW-7S	USCU	E006	Chromium, total	mg/L	02/24/21 - 08/20/24	13	54	CI around median	0.0015	0.00950
MW-7S	USCU	E006	Cobalt, total	mg/L	02/24/21 - 08/20/24	13	15	CI around geomean	0.00106	0.00390
MW-7S	USCU	E006	Fluoride, total	mg/L	02/24/21 - 08/20/24	13	8	CB around linear reg	0.245	0.510
MW-7S	USCU	E006	Lead, total	mg/L	02/24/21 - 08/20/24	13	77	CI around median	0.001	0.00510
MW-7S	USCU	E006	Lithium, total	mg/L	02/24/21 - 08/20/24	13	92	CI around median	0.003	0.0120
MW-7S	USCU	E006	Mercury, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.0002	0.0002
MW-7S	USCU	E006	Molybdenum, total	mg/L	02/24/21 - 08/20/24	13	69	CI around median	0.0015	0.00620
MW-7S	USCU	E006	pH (field)	SU	02/24/21 - 08/20/24	13	0	CI around median	6.6/6.8	5.6/7.6
MW-7S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/20/24	13	0	CI around mean	0.235	1.00
MW-7S	USCU	E006	Selenium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.001	0.00180
MW-7S	USCU	E006	Sulfate, total	mg/L	02/24/21 - 08/20/24	13	0	CI around mean	432	151
MW-7S	USCU	E006	Thallium, total	mg/L	02/24/21 - 08/20/24	13	100	All ND - Last	0.002	0.002
MW-7S	USCU	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/20/24	12	0	CI around median	486	494
MW-8	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-8	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.00480
MW-8	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0199	0.150
MW-8	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-8	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around median	0.938	0.296
MW-8	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.001
MW-8	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	0	CB around T-S line	13.3	18.0
MW-8	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.0015	0.00950

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
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KINCAID POWER PLANT
ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-8	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	26	CI around geomean	0.00102	0.00390
MW-8	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CB around T-S line	0.217	0.510
MW-8	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.00510
MW-8	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	56	CB around T-S line	0.00296	0.0120
MW-8	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.0002
MW-8	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	100	All ND - Last	0.0015	0.00620
MW-8	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.4/6.6	5.6/7.6
MW-8	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.21	1.00
MW-8	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.00180
MW-8	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	199	151
MW-8	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002
MW-8	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	765	494
MW-8S	USCU	E006	Antimony, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-8S	USCU	E006	Arsenic, total	mg/L	--	--	--	--	NS ⁷	0.00480
MW-8S	USCU	E006	Barium, total	mg/L	--	--	--	--	NS ⁷	0.150
MW-8S	USCU	E006	Beryllium, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-8S	USCU	E006	Boron, total	mg/L	--	--	--	--	NS ⁷	0.296
MW-8S	USCU	E006	Cadmium, total	mg/L	--	--	--	--	NS ⁷	0.001
MW-8S	USCU	E006	Chloride, total	mg/L	--	--	--	--	NS ⁷	18.0
MW-8S	USCU	E006	Chromium, total	mg/L	--	--	--	--	NS ⁷	0.00950
MW-8S	USCU	E006	Cobalt, total	mg/L	--	--	--	--	NS ⁷	0.00390
MW-8S	USCU	E006	Fluoride, total	mg/L	--	--	--	--	NS ⁷	0.510
MW-8S	USCU	E006	Lead, total	mg/L	--	--	--	--	NS ⁷	0.00510
MW-8S	USCU	E006	Lithium, total	mg/L	--	--	--	--	NS ⁷	0.0120
MW-8S	USCU	E006	Mercury, total	mg/L	--	--	--	--	NS ⁷	0.0002
MW-8S	USCU	E006	Molybdenum, total	mg/L	--	--	--	--	NS ⁷	0.00620
MW-8S	USCU	E006	pH (field)	SU	--	--	--	--	NS ⁷	5.6/7.6

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-8S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	NS ⁷	1.00
MW-8S	USCU	E006	Selenium, total	mg/L	--	--	--	--	NS ⁷	0.00180
MW-8S	USCU	E006	Sulfate, total	mg/L	--	--	--	--	NS ⁷	151
MW-8S	USCU	E006	Thallium, total	mg/L	--	--	--	--	NS ⁷	0.002
MW-8S	USCU	E006	Total Dissolved Solids	mg/L	--	--	--	--	NS ⁷	494
MW-11	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	97	CI around median	0.001	0.001
MW-11	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	27	CI around median	0.0011	0.00480
MW-11	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.109	0.150
MW-11	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-11	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	1.55	0.296
MW-11	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.001
MW-11	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	0	CB around T-S line	28.9	18.0
MW-11	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	97	CB around T-S line	0.0015	0.00950
MW-11	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	94	CI around median	0.001	0.00390
MW-11	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around median	0.48	0.510
MW-11	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.00510
MW-11	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	48	CB around linear reg	0.00288	0.0120
MW-11	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.0002
MW-11	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	4	CI around median	0.0021	0.00620
MW-11	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.5/6.8	5.6/7.6
MW-11	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around mean	0.564	1.00
MW-11	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	67	CI around median	0.001	0.00180
MW-11	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	109	151
MW-11	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002
MW-11	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	627	494
MW-12	UA	E006	Antimony, total	mg/L	12/15/15 - 08/20/24	31	97	CI around median	0.001	0.001
MW-12	UA	E006	Arsenic, total	mg/L	12/15/15 - 08/20/24	33	91	CI around median	0.001	0.00480

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-12	UA	E006	Barium, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	0.0617	0.150
MW-12	UA	E006	Beryllium, total	mg/L	12/15/15 - 08/20/24	31	100	All ND - Last	0.001	0.001
MW-12	UA	E006	Boron, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	2.72	0.296
MW-12	UA	E006	Cadmium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.001	0.001
MW-12	UA	E006	Chloride, total	mg/L	12/15/15 - 08/20/24	33	0	CB around linear reg	20.2	18.0
MW-12	UA	E006	Chromium, total	mg/L	12/15/15 - 08/20/24	33	97	CB around T-S line	0.0015	0.00950
MW-12	UA	E006	Cobalt, total	mg/L	12/15/15 - 08/20/24	33	100	All ND - Last	0.001	0.00390
MW-12	UA	E006	Fluoride, total	mg/L	12/15/15 - 08/20/24	33	3	CI around median	0.18	0.510
MW-12	UA	E006	Lead, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.00510
MW-12	UA	E006	Lithium, total	mg/L	12/15/15 - 08/20/24	25	0	CI around mean	0.00855	0.0120
MW-12	UA	E006	Mercury, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.0002	0.0002
MW-12	UA	E006	Molybdenum, total	mg/L	12/15/15 - 08/20/24	25	84	CB around T-S line	0.0015	0.00620
MW-12	UA	E006	pH (field)	SU	12/15/15 - 08/20/24	33	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-12	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 08/20/24	34	0	CI around median	0.45	1.00
MW-12	UA	E006	Selenium, total	mg/L	12/15/15 - 08/20/24	33	97	CI around median	0.001	0.00180
MW-12	UA	E006	Sulfate, total	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	363	151
MW-12	UA	E006	Thallium, total	mg/L	12/15/15 - 08/20/24	30	100	All ND - Last	0.002	0.002
MW-12	UA	E006	Total Dissolved Solids	mg/L	12/15/15 - 08/20/24	33	0	CI around mean	1,080	494
MW-20	UA	E006	Antimony, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.001	0.001
MW-20	UA	E006	Arsenic, total	mg/L	02/26/21 - 08/21/24	15	53	CI around median	0.001	0.00480
MW-20	UA	E006	Barium, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	0.0661	0.150
MW-20	UA	E006	Beryllium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-20	UA	E006	Boron, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	0.602	0.296
MW-20	UA	E006	Cadmium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-20	UA	E006	Chloride, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	18.6	18.0
MW-20	UA	E006	Chromium, total	mg/L	02/26/21 - 08/21/24	15	87	CI around median	0.0015	0.00950
MW-20	UA	E006	Cobalt, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.001	0.00390

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ASH POND
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-20	UA	E006	Fluoride, total	mg/L	02/26/21 - 08/21/24	15	7	CB around linear reg	0.276	0.510
MW-20	UA	E006	Lead, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.00510
MW-20	UA	E006	Lithium, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	-0.00312	0.0120
MW-20	UA	E006	Mercury, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0002	0.0002
MW-20	UA	E006	Molybdenum, total	mg/L	02/26/21 - 08/21/24	15	7	CB around linear reg	-0.000219	0.00620
MW-20	UA	E006	pH (field)	SU	02/26/21 - 08/21/24	15	0	CI around mean	6.8/7.0	5.6/7.6
MW-20	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/21/24	15	0	CI around mean	0.284	1.00
MW-20	UA	E006	Selenium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.00180
MW-20	UA	E006	Sulfate, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	145	151
MW-20	UA	E006	Thallium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.002	0.002
MW-20	UA	E006	Total Dissolved Solids	mg/L	02/26/21 - 08/21/24	14	0	CB around linear reg	658	494
MW-20S	USCU	E006	Antimony, total	mg/L	02/26/21 - 08/20/24	15	93	CI around median	0.001	0.001
MW-20S	USCU	E006	Arsenic, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.00480
MW-20S	USCU	E006	Barium, total	mg/L	02/26/21 - 08/20/24	15	7	CI around median	0.0346	0.150
MW-20S	USCU	E006	Beryllium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-20S	USCU	E006	Boron, total	mg/L	02/26/21 - 08/20/24	15	0	CB around linear reg	1.37	0.296
MW-20S	USCU	E006	Cadmium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-20S	USCU	E006	Chloride, total	mg/L	02/26/21 - 08/20/24	15	0	CI around mean	17.7	18.0
MW-20S	USCU	E006	Chromium, total	mg/L	02/26/21 - 08/20/24	15	93	CI around median	0.0015	0.00950
MW-20S	USCU	E006	Cobalt, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.00390
MW-20S	USCU	E006	Fluoride, total	mg/L	02/26/21 - 08/20/24	15	7	CI around mean	0.177	0.510
MW-20S	USCU	E006	Lead, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.00510
MW-20S	USCU	E006	Lithium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.003	0.0120
MW-20S	USCU	E006	Mercury, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.0002	0.0002
MW-20S	USCU	E006	Molybdenum, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.0015	0.00620
MW-20S	USCU	E006	pH (field)	SU	02/26/21 - 08/20/24	15	0	CI around mean	6.5/6.8	5.6/7.6
MW-20S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/20/24	15	0	CI around mean	0.179	1.00

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-20S	USCU	E006	Selenium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.001	0.00180
MW-20S	USCU	E006	Sulfate, total	mg/L	02/26/21 - 08/20/24	15	0	CB around linear reg	328	151
MW-20S	USCU	E006	Thallium, total	mg/L	02/26/21 - 08/20/24	15	100	All ND - Last	0.002	0.002
MW-20S	USCU	E006	Total Dissolved Solids	mg/L	02/26/21 - 08/20/24	14	0	CB around linear reg	961	494
MW-23	UA	E006	Antimony, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-23	UA	E006	Arsenic, total	mg/L	02/26/21 - 08/21/24	15	40	CB around T-S line	0.001	0.00480
MW-23	UA	E006	Barium, total	mg/L	02/26/21 - 08/21/24	15	0	CI around mean	0.0855	0.150
MW-23	UA	E006	Beryllium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-23	UA	E006	Boron, total	mg/L	02/26/21 - 08/21/24	15	0	CI around median	1.95	0.296
MW-23	UA	E006	Cadmium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-23	UA	E006	Chloride, total	mg/L	02/26/21 - 08/21/24	15	0	CB around linear reg	23.8	18.0
MW-23	UA	E006	Chromium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0015	0.00950
MW-23	UA	E006	Cobalt, total	mg/L	02/26/21 - 08/21/24	15	40	CI around median	0.001	0.00390
MW-23	UA	E006	Fluoride, total	mg/L	02/26/21 - 08/21/24	15	7	CI around mean	0.328	0.510
MW-23	UA	E006	Lead, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.00510
MW-23	UA	E006	Lithium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.003	0.0120
MW-23	UA	E006	Mercury, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.0002	0.0002
MW-23	UA	E006	Molybdenum, total	mg/L	02/26/21 - 08/21/24	15	93	CI around median	0.0015	0.00620
MW-23	UA	E006	pH (field)	SU	02/26/21 - 08/21/24	15	0	CI around mean	6.6/6.8	5.6/7.6
MW-23	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 08/21/24	15	0	CI around mean	0.263	1.00
MW-23	UA	E006	Selenium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.001	0.00180
MW-23	UA	E006	Sulfate, total	mg/L	02/26/21 - 08/21/24	15	0	CI around mean	42.1	151
MW-23	UA	E006	Thallium, total	mg/L	02/26/21 - 08/21/24	15	100	All ND - Last	0.002	0.002
MW-23	UA	E006	Total Dissolved Solids	mg/L	02/26/21 - 08/21/24	14	0	CI around mean	585	494
MW-27	USCU	E006	Antimony, total	mg/L	02/24/21 - 08/21/24	12	83	CI around median	0.001	0.001
MW-27	USCU	E006	Arsenic, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.00376	0.00480
MW-27	USCU	E006	Barium, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.0895	0.150

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ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-27	USCU	E006	Beryllium, total	mg/L	02/24/21 - 08/21/24	12	75	CI around median	0.001	0.001
MW-27	USCU	E006	Boron, total	mg/L	02/24/21 - 08/21/24	12	0	CI around mean	0.944	0.296
MW-27	USCU	E006	Cadmium, total	mg/L	02/24/21 - 08/21/24	12	92	CI around median	0.001	0.001
MW-27	USCU	E006	Chloride, total	mg/L	02/24/21 - 08/21/24	12	0	CI around mean	13	18.0
MW-27	USCU	E006	Chromium, total	mg/L	02/24/21 - 08/21/24	12	8	CI around geomean	0.00346	0.00950
MW-27	USCU	E006	Cobalt, total	mg/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.0025	0.00390
MW-27	USCU	E006	Fluoride, total	mg/L	02/24/21 - 08/21/24	12	8	CI around median	0.17	0.510
MW-27	USCU	E006	Lead, total	mg/L	02/24/21 - 08/21/24	12	8	CI around geomean	0.00161	0.00510
MW-27	USCU	E006	Lithium, total	mg/L	02/24/21 - 08/21/24	12	25	CI around geomean	0.00358	0.0120
MW-27	USCU	E006	Mercury, total	mg/L	02/24/21 - 08/21/24	12	83	CI around median	0.0002	0.0002
MW-27	USCU	E006	Molybdenum, total	mg/L	02/24/21 - 08/21/24	12	17	CI around geomean	0.00227	0.00620
MW-27	USCU	E006	pH (field)	SU	02/24/21 - 08/21/24	13	0	CI around mean	6.6/6.9	5.6/7.6
MW-27	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	12	0	CI around geomean	0.461	1.00
MW-27	USCU	E006	Selenium, total	mg/L	02/24/21 - 08/21/24	12	100	All ND - Last	0.001	0.00180
MW-27	USCU	E006	Sulfate, total	mg/L	02/24/21 - 08/21/24	12	0	CB around linear reg	301	151
MW-27	USCU	E006	Thallium, total	mg/L	02/24/21 - 08/21/24	12	92	CI around median	0.002	0.002
MW-27	USCU	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/21/24	11	0	CI around mean	769	494
MW-28	UA	E006	Antimony, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-28	UA	E006	Arsenic, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.00480
MW-28	UA	E006	Barium, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	0.0228	0.150
MW-28	UA	E006	Beryllium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-28	UA	E006	Boron, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	8.73	0.296
MW-28	UA	E006	Cadmium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-28	UA	E006	Chloride, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	12.1	18.0
MW-28	UA	E006	Chromium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.0015	0.00950
MW-28	UA	E006	Cobalt, total	mg/L	02/24/21 - 08/20/24	15	87	CI around median	0.001	0.00390
MW-28	UA	E006	Fluoride, total	mg/L	02/24/21 - 08/20/24	15	7	CI around median	0.13	0.510

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-28	UA	E006	Lead, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.00510
MW-28	UA	E006	Lithium, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	0.00616	0.0120
MW-28	UA	E006	Mercury, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.0002	0.0002
MW-28	UA	E006	Molybdenum, total	mg/L	02/24/21 - 08/20/24	15	93	CI around median	0.0015	0.00620
MW-28	UA	E006	pH (field)	SU	02/24/21 - 08/20/24	15	0	CI around mean	6.6/6.8	5.6/7.6
MW-28	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/20/24	15	0	CB around linear reg	0.336	1.00
MW-28	UA	E006	Selenium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.001	0.00180
MW-28	UA	E006	Sulfate, total	mg/L	02/24/21 - 08/20/24	15	0	CI around mean	827	151
MW-28	UA	E006	Thallium, total	mg/L	02/24/21 - 08/20/24	15	100	All ND - Last	0.002	0.002
MW-28	UA	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/20/24	14	0	CI around mean	1,650	494
MW-30	UA	E006	Antimony, total	mg/L	02/25/21 - 08/20/24	15	93	Most recent sample	0.001	0.001
MW-30	UA	E006	Arsenic, total	mg/L	02/25/21 - 08/20/24	15	7	CB around linear reg	0.00561	0.00480
MW-30	UA	E006	Barium, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	0.154	0.150
MW-30	UA	E006	Beryllium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-30	UA	E006	Boron, total	mg/L	02/25/21 - 08/20/24	15	0	CI around median	1.09	0.296
MW-30	UA	E006	Cadmium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-30	UA	E006	Chloride, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	36.9	18.0
MW-30	UA	E006	Chromium, total	mg/L	02/25/21 - 08/20/24	15	80	CI around median	0.0015	0.00950
MW-30	UA	E006	Cobalt, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	0.00202	0.00390
MW-30	UA	E006	Fluoride, total	mg/L	02/25/21 - 08/20/24	15	7	CB around T-S line	0.26	0.510
MW-30	UA	E006	Lead, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.00510
MW-30	UA	E006	Lithium, total	mg/L	02/25/21 - 08/20/24	15	87	CB around T-S line	-0.000404	0.0120
MW-30	UA	E006	Mercury, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0002	0.0002
MW-30	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/20/24	15	33	CI around median	0.0015	0.00620
MW-30	UA	E006	pH (field)	SU	02/25/21 - 08/20/24	15	0	CB around linear reg	6.5/6.8	5.6/7.6
MW-30	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/20/24	15	0	CI around geomean	0.591	1.00
MW-30	UA	E006	Selenium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.00180

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-30	UA	E006	Sulfate, total	mg/L	02/25/21 - 08/20/24	15	47	CB around linear reg	-23.5	151
MW-30	UA	E006	Thallium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.002	0.002
MW-30	UA	E006	Total Dissolved Solids	mg/L	02/25/21 - 08/20/24	14	0	CB around T-S line	446	494
MW-31	UA	E006	Antimony, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-31	UA	E006	Arsenic, total	mg/L	02/24/21 - 08/21/24	15	7	CI around mean	0.00248	0.00480
MW-31	UA	E006	Barium, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.213	0.150
MW-31	UA	E006	Beryllium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-31	UA	E006	Boron, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.238	0.296
MW-31	UA	E006	Cadmium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.001
MW-31	UA	E006	Chloride, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	45.5	18.0
MW-31	UA	E006	Chromium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.0015	0.00950
MW-31	UA	E006	Cobalt, total	mg/L	02/24/21 - 08/21/24	15	73	CI around median	0.001	0.00390
MW-31	UA	E006	Fluoride, total	mg/L	02/24/21 - 08/21/24	15	7	CI around median	0.17	0.510
MW-31	UA	E006	Lead, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.00510
MW-31	UA	E006	Lithium, total	mg/L	02/24/21 - 08/21/24	15	0	CI around mean	0.00455	0.0120
MW-31	UA	E006	Mercury, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.0002	0.0002
MW-31	UA	E006	Molybdenum, total	mg/L	02/24/21 - 08/21/24	15	60	CB around T-S line	-0.00475	0.00620
MW-31	UA	E006	pH (field)	SU	02/24/21 - 08/21/24	15	0	CI around mean	6.5/6.7	5.6/7.6
MW-31	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	15	0	CI around mean	0.6	1.00
MW-31	UA	E006	Selenium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.001	0.00180
MW-31	UA	E006	Sulfate, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	10	151
MW-31	UA	E006	Thallium, total	mg/L	02/24/21 - 08/21/24	15	100	All ND - Last	0.002	0.002
MW-31	UA	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/21/24	14	0	CI around mean	568	494
MW-31S	USCU	E006	Antimony, total	mg/L	02/24/21 - 08/21/24	14	86	CI around median	0.001	0.001
MW-31S	USCU	E006	Arsenic, total	mg/L	02/24/21 - 08/21/24	14	0	CI around mean	0.00654	0.00480
MW-31S	USCU	E006	Barium, total	mg/L	02/24/21 - 08/21/24	14	0	CI around geomean	0.211	0.150
MW-31S	USCU	E006	Beryllium, total	mg/L	02/24/21 - 08/21/24	14	93	CI around median	0.001	0.001

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-31S	USCU	E006	Boron, total	mg/L	02/24/21 - 08/21/24	14	7	CI around geomean	0.0341	0.296
MW-31S	USCU	E006	Cadmium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.001	0.001
MW-31S	USCU	E006	Chloride, total	mg/L	02/24/21 - 08/21/24	13	0	CI around median	15	18.0
MW-31S	USCU	E006	Chromium, total	mg/L	02/24/21 - 08/21/24	14	57	CI around median	0.0015	0.00950
MW-31S	USCU	E006	Cobalt, total	mg/L	02/24/21 - 08/21/24	14	0	CI around geomean	0.00238	0.00390
MW-31S	USCU	E006	Fluoride, total	mg/L	02/24/21 - 08/21/24	13	8	CI around mean	0.22	0.510
MW-31S	USCU	E006	Lead, total	mg/L	02/24/21 - 08/21/24	14	43	CI around median	0.001	0.00510
MW-31S	USCU	E006	Lithium, total	mg/L	02/24/21 - 08/21/24	14	57	CI around median	0.003	0.0120
MW-31S	USCU	E006	Mercury, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.0002	0.0002
MW-31S	USCU	E006	Molybdenum, total	mg/L	02/24/21 - 08/21/24	14	43	CB around linear reg	-0.000667	0.00620
MW-31S	USCU	E006	pH (field)	SU	02/24/21 - 08/21/24	15	0	CI around mean	6.5/6.7	5.6/7.6
MW-31S	USCU	E006	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 08/21/24	13	0	CI around mean	0.919	1.00
MW-31S	USCU	E006	Selenium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.001	0.00180
MW-31S	USCU	E006	Sulfate, total	mg/L	02/24/21 - 08/21/24	13	23	CB around linear reg	-77.9	151
MW-31S	USCU	E006	Thallium, total	mg/L	02/24/21 - 08/21/24	14	100	All ND - Last	0.002	0.002
MW-31S	USCU	E006	Total Dissolved Solids	mg/L	02/24/21 - 08/21/24	12	0	CB around linear reg	577	494
MW-32	UA	E006	Antimony, total	mg/L	02/25/21 - 08/20/24	15	93	CI around median	0.001	0.001
MW-32	UA	E006	Arsenic, total	mg/L	02/25/21 - 08/20/24	15	93	CI around median	0.001	0.00480
MW-32	UA	E006	Barium, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	0.0273	0.150
MW-32	UA	E006	Beryllium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-32	UA	E006	Boron, total	mg/L	02/25/21 - 08/20/24	15	0	CI around mean	1.53	0.296
MW-32	UA	E006	Cadmium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.001
MW-32	UA	E006	Chloride, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	9.25	18.0
MW-32	UA	E006	Chromium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0015	0.00950
MW-32	UA	E006	Cobalt, total	mg/L	02/25/21 - 08/20/24	15	80	CI around median	0.001	0.00390
MW-32	UA	E006	Fluoride, total	mg/L	02/25/21 - 08/20/24	15	7	CI around median	0.17	0.510
MW-32	UA	E006	Lead, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.00510

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-32	UA	E006	Lithium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.003	0.0120
MW-32	UA	E006	Mercury, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0002	0.0002
MW-32	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.0015	0.00620
MW-32	UA	E006	pH (field)	SU	02/25/21 - 08/20/24	15	0	CI around mean	6.3/6.5	5.6/7.6
MW-32	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/20/24	15	0	CI around median	0.149	1.00
MW-32	UA	E006	Selenium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.001	0.00180
MW-32	UA	E006	Sulfate, total	mg/L	02/25/21 - 08/20/24	15	0	CB around linear reg	307	151
MW-32	UA	E006	Thallium, total	mg/L	02/25/21 - 08/20/24	15	100	All ND - Last	0.002	0.002
MW-32	UA	E006	Total Dissolved Solids	mg/L	02/25/21 - 08/20/24	14	0	CB around linear reg	987	494
PZ-4C	UA	E006	Antimony, total	mg/L	02/25/21 - 08/21/24	14	86	CI around median	0.001	0.001
PZ-4C	UA	E006	Arsenic, total	mg/L	02/25/21 - 08/21/24	14	36	CI around median	0.001	0.00480
PZ-4C	UA	E006	Barium, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	0.25	0.150
PZ-4C	UA	E006	Beryllium, total	mg/L	02/25/21 - 08/21/24	14	93	CI around median	0.001	0.001
PZ-4C	UA	E006	Boron, total	mg/L	02/25/21 - 08/21/24	14	0	CI around mean	1.38	0.296
PZ-4C	UA	E006	Cadmium, total	mg/L	02/25/21 - 08/21/24	14	93	CI around median	0.001	0.001
PZ-4C	UA	E006	Chloride, total	mg/L	02/25/21 - 08/21/24	14	0	CB around linear reg	30.5	18.0
PZ-4C	UA	E006	Chromium, total	mg/L	02/25/21 - 08/21/24	14	36	CI around median	0.0015	0.00950
PZ-4C	UA	E006	Cobalt, total	mg/L	02/25/21 - 08/21/24	14	71	CI around median	0.001	0.00390
PZ-4C	UA	E006	Fluoride, total	mg/L	02/25/21 - 08/21/24	14	7	CI around median	0.38	0.510
PZ-4C	UA	E006	Lead, total	mg/L	02/25/21 - 08/21/24	14	57	CI around median	0.001	0.00510
PZ-4C	UA	E006	Lithium, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	0.0068	0.0120
PZ-4C	UA	E006	Mercury, total	mg/L	02/25/21 - 08/21/24	14	93	CI around median	0.0002	0.0002
PZ-4C	UA	E006	Molybdenum, total	mg/L	02/25/21 - 08/21/24	14	79	CI around median	0.0015	0.00620
PZ-4C	UA	E006	pH (field)	SU	02/25/21 - 08/21/24	14	0	CI around mean	6.7/7.0	5.6/7.6
PZ-4C	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 08/21/24	14	0	CI around geomean	0.597	1.00
PZ-4C	UA	E006	Selenium, total	mg/L	02/25/21 - 08/21/24	14	100	All ND - Last	0.001	0.00180
PZ-4C	UA	E006	Sulfate, total	mg/L	02/25/21 - 08/21/24	14	0	CI around median	65.3	151

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-4C	UA	E006	Thallium, total	mg/L	02/25/21 - 08/21/24	14	100	All ND - Last	0.002	0.002
PZ-4C	UA	E006	Total Dissolved Solids	mg/L	02/25/21 - 08/21/24	13	0	CI around mean	544	494

Notes:
- = no data available
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
 UA = Uppermost Aquifer
 USCU = Upper Semi-Confining Unit
mg/L = milligrams per liter
Missing Code (if applicable):
 NR¹ = Select parameters were not analyzed.
 NS¹ = This well has been, or will be, abandoned; therefore, a sample was not collected.
 NS² = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
 NS³ = A sample was not collected because the location was inaccessible.
 NS⁴ = The location could not be found, therefore a sample was not collected.
 NS⁵ = A sample was not collected because of damage to the well.
 NS⁶ = A sample was not collected because of pump issues.
 NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.
 NS⁸ = A sample was not collected.
 PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
 All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
 CB around T-S line = Confidence band around Thiel-Sen line
 CB around linear reg = Confidence band around linear regression
 CI around geomean = Confidence interval around the geometric mean
 CI around mean = Confidence interval around the mean
 CI around median = Confidence interval around the median
 Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination