



Illinois Power Resources Generating, 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: Edwards Ash Pond (IEPA ID: W1438050005-01) 2024 Annual Consolidated Report

Dear Mr. LeCrone:

In accordance with 35 IAC § 845.550, Illinois Power Resources Generating, LLC (IPRG) is submitting the annual consolidated report for the Edwards Ash Pond (IEPA ID: W1438050005-01), as enclosed.

Sincerely,

A handwritten signature in blue ink that reads 'Dianna Tickner'.

Dianna Tickner
Sr. Director Decommissioning & Demolition

Enclosures

Annual Consolidated Report
Illinois Power Resources Generating, LLC
Edwards Power Plant
Ash Pond; IEPA ID: **W1438050005-01**

In accordance with 35 IAC § 845.550, Illinois Power Resources Generating, LLC (IPRG) 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

Edwards Power Station

Prepared for:

Illinois Power Resources Generating, LLC

**Edwards Power Station
7800 South Cilco Lane
Bartonville, IL 61607**

November 2024

**Edwards Power Station
ANNUAL CCR FUGITIVE DUST CONTROL REPORT**

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

Completed by: Kevin Longest Plant Closure Manager
Name Title

This Annual CCR Fugitive Dust Control Report has been prepared for the Edwards Power Station in accordance with 40 CFR 257.B0(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 Edwards Power Station 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	The facility ceased operations on 12/31/22. There have been no CCR handling activities since facility closure.
	Water or chemical dust suppressant may be used for fugitive dust control as necessary.
	Naturally occurring grass and vegetation will help in preventing fugitive dust in the CCR surface impoundment.
Handling of CCR at the facility	The facility is no longer operating, thus there is no CCR handling.
Transportation of CCR at the facility	The facility is no longer operating, thus there is no on site or off site transportation of CCR material.

The facility permanently ceased operation on December 31, 2022. 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 changes to the control measures listed in the Dust Plan were needed to control CCR fugitive dust.

**Edwards Power Station
ANNUAL CCR FUGITIVE DUST CONTROL REPORT**

Section 2 Record of Citizen Complaints

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

Section 2

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

- A) Annual hazard potential classification certification, if applicable (Section 845.440)
- B) Annual structural stability assessment certification, if applicable (Section 845.450)
- C) Annual safety factor assessment certification, if applicable (Section 845.460)
- D) Inflow design flood control system plan certification (Section 845.510(c))

ANNUAL INSPECTION BY A QUALIFIED PROFESSIONAL ENGINEER

35 IAC § 845.540

(b)(1) The CCR surface impoundment must be inspected on an annual basis by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the CCR surface impoundment is consistent with recognized and generally accepted engineering standards. The inspection must, at a minimum, include:

- A) A review of available information regarding the status and condition of the CCR surface impoundment, including files available in the operating record (e.g., CCR surface impoundment design and construction information required by Sections 845.220(a)(1) and 845.230(d)(2)(A), previous structural stability assessments required under Section 845.450, the results of inspections by a qualified person, and results of previous annual inspections);
- B) A visual inspection of the CCR surface impoundment to identify signs of distress or malfunction of the CCR surface impoundment and appurtenant structures;
- C) A visual inspection of any hydraulic structures underlying the base of the CCR surface impoundment or passing through the dike of the CCR surface impoundment for structural integrity and continued safe and reliable operation;
- D) The annual hazard potential classification certification, if applicable (see Section 845.440);
- E) The annual structural stability assessment certification, if applicable (see Section 845.450);
- F) The annual safety factor assessment certification, if applicable (see Section 845.460); and
- G) The inflow design flood control system plan certification (see Section 845.510(c)).

SITE INFORMATION

Site Name / Address / Date of Inspection	Edwards Power Station Peoria County, Illinois 62327 9/17/2024
Operator Name / Address	Luminant Generation Company LLC 6555 Sierra Drive, Irving, TX 75039
CCR unit	Ash Pond

INSPECTION REPORT 35 IAC § 845.540

(b)(1)(D) The annual hazard potential classification certification, if applicable (see Section 845.440).	Based on a review of the CCR unit's annual hazard potential classification, the unit is classified as a Class I 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 3300 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 3010 acre-feet
(b)(2)(F) Any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit	Based on a review of the CCR unit's records and visual observation during the on-site inspection, there was no appearance of an actual or potential structural weakness of the CCR unit, nor an existing condition that is disrupting or would disrupt the operation and safety of the unit.

INSPECTION REPORT 35 IAC § 845.540

(b)(2)(G) Any other changes that may have affected the stability or operation of the impounding structure since the previous annual inspection.

Based on a review of the CCR unit's records and visual observation during the on-site inspection, no other changes which may have affected the stability or operation of the CCR unit have taken place since the previous annual inspection.

(b)(1)(G) The inflow design flood control system plan certification (see Section 845.510(c))

Based on a review of the CCR unit's records, the CCR unit is designed, operated, and maintained to adequately manage the flow from the CCR impoundment and control the peak discharge from the inflow design flood.

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

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



James Knutelski, PE

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

Date: 12/13/2024

Site Name: Edwards Power Station

CCR Unit: Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P001	Piezometer	440.8'
P002	Piezometer	449.0'
P003	Piezometer	439.5'
P004	Piezometer	442.7'

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		445			10	
CCR	433		485	17		69

Section 3

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

Prepared for
Illinois Power Resources Generating, LLC

Date
January 31, 2025

Project No.
1940106781-007

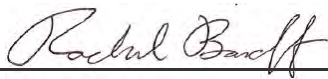
**2024 35 I.A.C. § 845 ANNUAL
GROUNDWATER MONITORING AND
CORRECTIVE ACTION REPORT
ASH POND
EDWARDS POWER PLANT
BARTONVILLE, ILLINOIS
IEPA ID NO. W1438050005-01**

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

Project name **Edwards Power Plant Ash Pond**
Project no. **1940106781-007**
Recipient **Illinois Power Resources Generating, LLC**
Document type **Annual Groundwater Monitoring and Corrective Action Report**
Version **FINAL**
Date **January 31, 2025**
Prepared by **Rachel A. Banoff, EIT**
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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Rachel A. Banoff, EIT
Environmental Engineer



Brian G. Hennings, PG
Project Officer, Hydrogeology

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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, Quarter 4, 2023 and Quarters 1-3, 2024
Figure 3	GWPS Exceedance Map - Potential Migration Pathway, Quarter 4, 2023 and Quarters 1-3, 2024
Figure 4	Potentiometric Surface Map, January 6, 2024
Figure 5	Potentiometric Surface Map, February 6, 2024
Figure 6	Potentiometric Surface Map, March 29, 2024
Figure 7	Potentiometric Surface Map, April 29, 2024
Figure 8	Potentiometric Surface Map, May 15, 2024
Figure 9	Potentiometric Surface Map, June 15, 2024
Figure 10	Potentiometric Surface Map, July 15, 2024
Figure 11	Potentiometric Surface Map, August 28, 2024
Figure 12	Potentiometric Surface Map, September 28, 2024
Figure 13	Potentiometric Surface Map, October 28, 2024
Figure 14	Potentiometric Surface Map, November 13, 2024
Figure 15	Potentiometric Surface Map, December 4, 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
E003	Quarter 4, 2023 sampling event
E004	Quarter 1, 2024 sampling event
E005	Quarter 2, 2024 sampling event
E006	Quarter 3, 2024 sampling event
E007	Quarter 4, 2024 sampling event
EPP	Edwards Power Plant
GWPS	groundwater protection standard
ID	identification
IEPA	Illinois Environmental Protection Agency
IPRG	Illinois Power Resources Generating, LLC
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 Ash Pond (AP) located at Edwards Power Plant (EPP) near Bartonville, Illinois. The AP is recognized by coal combustion residuals (CCR) unit identification (ID) number (No.) 301, Illinois Environmental Protection Agency (IEPA) ID No. W1438050005-01, and National Inventory of Dams (NID) No. IL50710.

As required by 35 I.A.C. § 845, an operating permit application for the AP was submitted by Illinois Power Resources Generating, LLC (IPRG) to the IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. IPRG entered into a compliance commitment agreement (CCA) with the IEPA on December 28, 2022. As specified in the CCA, groundwater monitoring in accordance with the proposed groundwater monitoring plan and sampling methodologies provided in the operating permit application for the 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 following quarterly groundwater sampling in 2024 (Ramboll, 2024a; Ramboll, 2024b; Ramboll, 2024c)²:

- Boron in AP07S, AW-05, AW-15S, AW-19, and AW-21
- Sulfate in AW-15S
- Total Dissolved Solids (TDS) in AW-15S

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 7, 2023. A CMA extension request was submitted to the IEPA on December 7, 2023 and approved on December 7, 2023. The CMA extension request and approval letter were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024d).

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 IPRG's operating permit application for the EPP AP. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPRG 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.

The CMA was completed in accordance with 35 I.A.C. § 845.660 and submitted to the IEPA on June 4, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, a semiannual report describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan was submitted to the IEPA on December 4, 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 the 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 the IEPA on or before June 4, 2025. Upon selection of a remedy, a permit application will be submitted in accordance with 35 I.A.C. § 845.220(c). Remedial activities were not initiated under 35 I.A.C. § 845.780 in 2024.

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

1. INTRODUCTION

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

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

- A. A map, aerial image, or diagram showing the CCR SI and all background (or upgradient) and [downgradient] compliance monitoring wells, including the well identification numbers, that are part of the groundwater monitoring program for the CCR SI (**Figure 1**) and a visual delineation of any exceedances of the [groundwater protection standard] GWPS (**Figures 2 and 3**).
- B. Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (**Section 3**, paragraph 1).
- 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 EPP AP for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

An operating permit application for the AP was submitted by IPRG to the IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. IPRG entered into a CCA with the IEPA on December 28, 2022. Groundwater monitoring in accordance with the CCA and 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 permit application for the AP was also submitted by IPRG to the 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**, 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 7, 2023. A CMA extension request was submitted to the IEPA on December 7, 2023 and approved on December 7, 2023. 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 the IEPA on June 4, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, a semiannual report describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan was submitted to the IEPA on December 4, 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 2024. 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 were provided in the quarterly Groundwater Monitoring Data and Detected Exceedances Reports for Quarters 1 through 3⁴ (Ramboll, 2024a; Ramboll, 2024b; Ramboll, 2024c); therefore, these reports are not attached to this annual report to avoid reproduction of lengthy data transmittals that have been previously provided in hardcopy.

³ Groundwater elevation data was not available at monitoring location AW-14 for January, March, May, and June. Groundwater elevation data was not available at monitoring location AW-17 for September due to required pressure transducer maintenance.

⁴ 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 ⁴	ASD Completion Date
E003	November 1-3, 2023 November 6, 2023 November 17, 2023	December 14, 2023	February 12, 2024 ⁵	NA
E004	February 7 - 8, 2024	March 13, 2024	May 12, 2024	NA
E005	April 30 - May 2, 2024	June 5, 2024	August 4, 2024	NA
E006	July 15 - 18, 2023	August 13, 2024	October 12, 2024	NA
E007	October 29 - 31, 2024	December 4, 2024	TBD	TBD

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

TBD: to be determined after January 31, 2025

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

² The following background wells were sampled for each event: AP05S and AW-08

³ The following compliance wells were sampled for each event: AP07S, AW-01, AW-05, AW-06, AW-09, AW-10, AW-11, AW-14, AW-15, AW-15S, AW-16, AW-17, AW-18, AW-19, and AW-21

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

⁵ Statistical determinations were completed in 2024 and are included in the 2024 Annual Groundwater Monitoring and Corrective Action Report for completeness. Analytical data from 2023 sampling events used in statistical determinations are included in the Quarter 4, 2023 Groundwater Monitoring Data and Detected Exceedances Report.

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 in 2023 and are shown on **Figures 2 and 3**⁵:

- Boron in AP07S, AW-05, AW-15S, AW-19, and AW-21
- Sulfate in AW-15S
- TDS in AW-15S

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.

⁵ 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 the IEPA on or before June 4, 2025 as required by 35 I.A.C. § 845.670.
- Upon selection of a remedy, a permit application will be submitted to the IEPA identifying the proposed corrective action.

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.

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Power Plant, Joppa, Illinois. January 25, 2025.

TABLES

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AP05S	Background	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AP05S	Background	E004	02/08/2024	Arsenic, total	0.00120	mg/L
AP05S	Background	E004	02/08/2024	Barium, total	0.650	mg/L
AP05S	Background	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AP05S	Background	E004	02/08/2024	Boron, total	0.280 J+	mg/L
AP05S	Background	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AP05S	Background	E004	02/08/2024	Calcium, total	100	mg/L
AP05S	Background	E004	02/08/2024	Chloride, total	39.0	mg/L
AP05S	Background	E004	02/08/2024	Chromium, total	0.0039	mg/L
AP05S	Background	E004	02/08/2024	Cobalt, total	0.00200	mg/L
AP05S	Background	E004	02/08/2024	Dissolved Oxygen	0.370	mg/L
AP05S	Background	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AP05S	Background	E004	02/08/2024	Lead, total	0.00210	mg/L
AP05S	Background	E004	02/08/2024	Lithium, total	0.0290	mg/L
AP05S	Background	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AP05S	Background	E004	02/08/2024	Molybdenum, total	0.00074 U	mg/L
AP05S	Background	E004	02/08/2024	Oxidation Reduction Potential	-71.0	mV
AP05S	Background	E004	02/08/2024	pH (field)	7.1	SU
AP05S	Background	E004	02/08/2024	Radium 226 + Radium 228, total	1.58	pCi/L
AP05S	Background	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AP05S	Background	E004	02/08/2024	Specific Conductance @ 25C (field)	1,730	micromhos/cm
AP05S	Background	E004	02/08/2024	Sulfate, total	58.0	mg/L
AP05S	Background	E004	02/08/2024	Temperature	12.9	degrees C
AP05S	Background	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AP05S	Background	E004	02/08/2024	Total Dissolved Solids	820	mg/L
AP05S	Background	E004	02/08/2024	Turbidity, field	0	NTU
AW-08	Background	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-08	Background	E004	02/08/2024	Arsenic, total	0.0120	mg/L
AW-08	Background	E004	02/08/2024	Barium, total	0.300	mg/L
AW-08	Background	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-08	Background	E004	02/08/2024	Boron, total	0.140 J+	mg/L
AW-08	Background	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-08	Background	E004	02/08/2024	Calcium, total	140	mg/L
AW-08	Background	E004	02/08/2024	Chloride, total	18.0	mg/L
AW-08	Background	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-08	Background	E004	02/08/2024	Cobalt, total	0.00077	mg/L
AW-08	Background	E004	02/08/2024	Dissolved Oxygen	1.40	mg/L
AW-08	Background	E004	02/08/2024	Fluoride, total	0.256 J+	mg/L
AW-08	Background	E004	02/08/2024	Lead, total	0.00062	mg/L
AW-08	Background	E004	02/08/2024	Lithium, total	0.013	mg/L
AW-08	Background	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-08	Background	E004	02/08/2024	Molybdenum, total	0.00180	mg/L
AW-08	Background	E004	02/08/2024	Oxidation Reduction Potential	-99.0	mV
AW-08	Background	E004	02/08/2024	pH (field)	6.8	SU
AW-08	Background	E004	02/08/2024	Radium 226 + Radium 228, total	1.54	pCi/L
AW-08	Background	E004	02/08/2024	Selenium, total	0.00074 U	mg/L

TABLE 1.
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845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-08	Background	E004	02/08/2024	Specific Conductance @ 25C (field)	1,490	micromhos/cm
AW-08	Background	E004	02/08/2024	Sulfate, total	0.38	mg/L
AW-08	Background	E004	02/08/2024	Temperature	14.9	degrees C
AW-08	Background	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-08	Background	E004	02/08/2024	Total Dissolved Solids	710	mg/L
AW-08	Background	E004	02/08/2024	Turbidity, field	0	NTU
AP07S	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AP07S	Compliance	E004	02/08/2024	Arsenic, total	0.00069 U	mg/L
AP07S	Compliance	E004	02/08/2024	Barium, total	0.0610 J+	mg/L
AP07S	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AP07S	Compliance	E004	02/08/2024	Boron, total	12.0	mg/L
AP07S	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AP07S	Compliance	E004	02/08/2024	Calcium, total	170	mg/L
AP07S	Compliance	E004	02/08/2024	Chloride, total	84.0	mg/L
AP07S	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AP07S	Compliance	E004	02/08/2024	Cobalt, total	0.00240	mg/L
AP07S	Compliance	E004	02/08/2024	Dissolved Oxygen	0	mg/L
AP07S	Compliance	E004	02/08/2024	Fluoride, total	0.289 J+	mg/L
AP07S	Compliance	E004	02/08/2024	Lead, total	0.00033	mg/L
AP07S	Compliance	E004	02/08/2024	Lithium, total	0.0065	mg/L
AP07S	Compliance	E004	02/08/2024	Mercury, total	0.00018	mg/L
AP07S	Compliance	E004	02/08/2024	Molybdenum, total	0.00088	mg/L
AP07S	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-27.0	mV
AP07S	Compliance	E004	02/08/2024	pH (field)	6.7	SU
AP07S	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	0.487	pCi/L
AP07S	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AP07S	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,406	micromhos/cm
AP07S	Compliance	E004	02/08/2024	Sulfate, total	330	mg/L
AP07S	Compliance	E004	02/08/2024	Temperature	14.7	degrees C
AP07S	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AP07S	Compliance	E004	02/08/2024	Total Dissolved Solids	980	mg/L
AP07S	Compliance	E004	02/08/2024	Turbidity, field	66.1	NTU
AW-01	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-01	Compliance	E004	02/08/2024	Arsenic, total	0.00390	mg/L
AW-01	Compliance	E004	02/08/2024	Barium, total	0.0880 J+	mg/L
AW-01	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-01	Compliance	E004	02/08/2024	Boron, total	0.130 J+	mg/L
AW-01	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-01	Compliance	E004	02/08/2024	Calcium, total	140	mg/L
AW-01	Compliance	E004	02/08/2024	Chloride, total	22.0	mg/L
AW-01	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-01	Compliance	E004	02/08/2024	Cobalt, total	0.001	mg/L
AW-01	Compliance	E004	02/08/2024	Dissolved Oxygen	0.970	mg/L
AW-01	Compliance	E004	02/08/2024	Fluoride, total	0.254 J+	mg/L
AW-01	Compliance	E004	02/08/2024	Lead, total	0.00041	mg/L
AW-01	Compliance	E004	02/08/2024	Lithium, total	0.01	mg/L

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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-01	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-01	Compliance	E004	02/08/2024	Molybdenum, total	0.00480	mg/L
AW-01	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-75.0	mV
AW-01	Compliance	E004	02/08/2024	pH (field)	6.7	SU
AW-01	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	0.444	pCi/L
AW-01	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-01	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,450	micromhos/cm
AW-01	Compliance	E004	02/08/2024	Sulfate, total	67.0	mg/L
AW-01	Compliance	E004	02/08/2024	Temperature	13.6	degrees C
AW-01	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-01	Compliance	E004	02/08/2024	Total Dissolved Solids	740	mg/L
AW-01	Compliance	E004	02/08/2024	Turbidity, field	0	NTU
AW-05	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-05	Compliance	E004	02/08/2024	Arsenic, total	0.00510	mg/L
AW-05	Compliance	E004	02/08/2024	Barium, total	0.150	mg/L
AW-05	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-05	Compliance	E004	02/08/2024	Boron, total	6.20	mg/L
AW-05	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-05	Compliance	E004	02/08/2024	Calcium, total	170	mg/L
AW-05	Compliance	E004	02/08/2024	Chloride, total	75.0	mg/L
AW-05	Compliance	E004	02/08/2024	Chromium, total	0.00890	mg/L
AW-05	Compliance	E004	02/08/2024	Cobalt, total	0.00600	mg/L
AW-05	Compliance	E004	02/08/2024	Dissolved Oxygen	0.960	mg/L
AW-05	Compliance	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AW-05	Compliance	E004	02/08/2024	Lead, total	0.00450	mg/L
AW-05	Compliance	E004	02/08/2024	Lithium, total	0.0200	mg/L
AW-05	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-05	Compliance	E004	02/08/2024	Molybdenum, total	0.00220	mg/L
AW-05	Compliance	E004	02/08/2024	Oxidation Reduction Potential	29.0	mV
AW-05	Compliance	E004	02/08/2024	pH (field)	6.9	SU
AW-05	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	0.861	pCi/L
AW-05	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-05	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,770	micromhos/cm
AW-05	Compliance	E004	02/08/2024	Sulfate, total	400	mg/L
AW-05	Compliance	E004	02/08/2024	Temperature	14.5	degrees C
AW-05	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-05	Compliance	E004	02/08/2024	Total Dissolved Solids	1,000	mg/L
AW-05	Compliance	E004	02/08/2024	Turbidity, field	0	NTU
AW-06	Compliance	E004	02/07/2024	Antimony, total	0.00043 U	mg/L
AW-06	Compliance	E004	02/07/2024	Arsenic, total	0.00840	mg/L
AW-06	Compliance	E004	02/07/2024	Barium, total	0.230	mg/L
AW-06	Compliance	E004	02/07/2024	Beryllium, total	0.00059 U	mg/L
AW-06	Compliance	E004	02/07/2024	Boron, total	0.0970 J+	mg/L
AW-06	Compliance	E004	02/07/2024	Cadmium, total	0.00074 U	mg/L
AW-06	Compliance	E004	02/07/2024	Calcium, total	130	mg/L
AW-06	Compliance	E004	02/07/2024	Chloride, total	35.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-06	Compliance	E004	02/07/2024	Chromium, total	0.00460	mg/L
AW-06	Compliance	E004	02/07/2024	Cobalt, total	0.00270	mg/L
AW-06	Compliance	E004	02/07/2024	Dissolved Oxygen	0.830	mg/L
AW-06	Compliance	E004	02/07/2024	Fluoride, total	0.263	mg/L
AW-06	Compliance	E004	02/07/2024	Lead, total	0.00240 J	mg/L
AW-06	Compliance	E004	02/07/2024	Lithium, total	0.013	mg/L
AW-06	Compliance	E004	02/07/2024	Mercury, total	0.00014 U	mg/L
AW-06	Compliance	E004	02/07/2024	Molybdenum, total	0.00640	mg/L
AW-06	Compliance	E004	02/07/2024	Oxidation Reduction Potential	-100	mV
AW-06	Compliance	E004	02/07/2024	pH (field)	7.3	SU
AW-06	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	1.20	pCi/L
AW-06	Compliance	E004	02/07/2024	Selenium, total	0.00074 U	mg/L
AW-06	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	801	micromhos/cm
AW-06	Compliance	E004	02/07/2024	Sulfate, total	22.0	mg/L
AW-06	Compliance	E004	02/07/2024	Temperature	12.5	degrees C
AW-06	Compliance	E004	02/07/2024	Thallium, total	0.00038 U	mg/L
AW-06	Compliance	E004	02/07/2024	Total Dissolved Solids	550	mg/L
AW-06	Compliance	E004	02/07/2024	Turbidity, field	0	NTU
AW-09	Compliance	E004	02/07/2024	Antimony, total	0.00043 U	mg/L
AW-09	Compliance	E004	02/07/2024	Arsenic, total	0.0270	mg/L
AW-09	Compliance	E004	02/07/2024	Barium, total	0.460	mg/L
AW-09	Compliance	E004	02/07/2024	Beryllium, total	0.00059 U	mg/L
AW-09	Compliance	E004	02/07/2024	Boron, total	0.280 J+	mg/L
AW-09	Compliance	E004	02/07/2024	Cadmium, total	0.00074 U	mg/L
AW-09	Compliance	E004	02/07/2024	Calcium, total	120	mg/L
AW-09	Compliance	E004	02/07/2024	Chloride, total	27.0	mg/L
AW-09	Compliance	E004	02/07/2024	Chromium, total	0.0028 U	mg/L
AW-09	Compliance	E004	02/07/2024	Cobalt, total	0.00210	mg/L
AW-09	Compliance	E004	02/07/2024	Dissolved Oxygen	1.40	mg/L
AW-09	Compliance	E004	02/07/2024	Fluoride, total	0.109	mg/L
AW-09	Compliance	E004	02/07/2024	Lead, total	0.00022 U	mg/L
AW-09	Compliance	E004	02/07/2024	Lithium, total	0.016	mg/L
AW-09	Compliance	E004	02/07/2024	Mercury, total	0.00014	mg/L
AW-09	Compliance	E004	02/07/2024	Molybdenum, total	0.0180	mg/L
AW-09	Compliance	E004	02/07/2024	Oxidation Reduction Potential	-141	mV
AW-09	Compliance	E004	02/07/2024	pH (field)	7.1	SU
AW-09	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.807	pCi/L
AW-09	Compliance	E004	02/07/2024	Selenium, total	0.00074 U	mg/L
AW-09	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,140	micromhos/cm
AW-09	Compliance	E004	02/07/2024	Sulfate, total	0.18 U	mg/L
AW-09	Compliance	E004	02/07/2024	Temperature	12.7	degrees C
AW-09	Compliance	E004	02/07/2024	Thallium, total	0.00038 U	mg/L
AW-09	Compliance	E004	02/07/2024	Total Dissolved Solids	760	mg/L
AW-09	Compliance	E004	02/07/2024	Turbidity, field	34.6	NTU
AW-10	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-10	Compliance	E004	02/08/2024	Arsenic, total	0.0110	mg/L

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845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-10	Compliance	E004	02/08/2024	Barium, total	0.870	mg/L
AW-10	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-10	Compliance	E004	02/08/2024	Boron, total	0.490 J+	mg/L
AW-10	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-10	Compliance	E004	02/08/2024	Calcium, total	130	mg/L
AW-10	Compliance	E004	02/08/2024	Chloride, total	89.0	mg/L
AW-10	Compliance	E004	02/08/2024	Chromium, total	0.00470	mg/L
AW-10	Compliance	E004	02/08/2024	Cobalt, total	0.00430	mg/L
AW-10	Compliance	E004	02/08/2024	Dissolved Oxygen	1.70	mg/L
AW-10	Compliance	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AW-10	Compliance	E004	02/08/2024	Lead, total	0.00220	mg/L
AW-10	Compliance	E004	02/08/2024	Lithium, total	0.0430	mg/L
AW-10	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-10	Compliance	E004	02/08/2024	Molybdenum, total	0.00150	mg/L
AW-10	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-119	mV
AW-10	Compliance	E004	02/08/2024	pH (field)	7.0	SU
AW-10	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	2.08	pCi/L
AW-10	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-10	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,700	micromhos/cm
AW-10	Compliance	E004	02/08/2024	Sulfate, total	0.18 U	mg/L
AW-10	Compliance	E004	02/08/2024	Temperature	13.4	degrees C
AW-10	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-10	Compliance	E004	02/08/2024	Total Dissolved Solids	1,200	mg/L
AW-10	Compliance	E004	02/08/2024	Turbidity, field	310	NTU
AW-11	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-11	Compliance	E004	02/08/2024	Arsenic, total	0.00920	mg/L
AW-11	Compliance	E004	02/08/2024	Barium, total	1.00	mg/L
AW-11	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-11	Compliance	E004	02/08/2024	Boron, total	0.260 J+	mg/L
AW-11	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-11	Compliance	E004	02/08/2024	Calcium, total	150	mg/L
AW-11	Compliance	E004	02/08/2024	Chloride, total	35.0	mg/L
AW-11	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-11	Compliance	E004	02/08/2024	Cobalt, total	0.0019	mg/L
AW-11	Compliance	E004	02/08/2024	Dissolved Oxygen	1.10	mg/L
AW-11	Compliance	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AW-11	Compliance	E004	02/08/2024	Lead, total	0.00110	mg/L
AW-11	Compliance	E004	02/08/2024	Lithium, total	0.0230	mg/L
AW-11	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-11	Compliance	E004	02/08/2024	Molybdenum, total	0.00091	mg/L
AW-11	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-137	mV
AW-11	Compliance	E004	02/08/2024	pH (field)	7.0	SU
AW-11	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	2.82	pCi/L
AW-11	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-11	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,460	micromhos/cm
AW-11	Compliance	E004	02/08/2024	Sulfate, total	0.18 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-11	Compliance	E004	02/08/2024	Temperature	11.7	degrees C
AW-11	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-11	Compliance	E004	02/08/2024	Total Dissolved Solids	950	mg/L
AW-11	Compliance	E004	02/08/2024	Turbidity, field	718	NTU
AW-14	Compliance	E004	02/08/2024	Antimony, total	0.00063	mg/L
AW-14	Compliance	E004	02/08/2024	Arsenic, total	0.00220	mg/L
AW-14	Compliance	E004	02/08/2024	Barium, total	0.510	mg/L
AW-14	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-14	Compliance	E004	02/08/2024	Boron, total	0.380 J+	mg/L
AW-14	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-14	Compliance	E004	02/08/2024	Calcium, total	160	mg/L
AW-14	Compliance	E004	02/08/2024	Chloride, total	42.0	mg/L
AW-14	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-14	Compliance	E004	02/08/2024	Cobalt, total	0.00220	mg/L
AW-14	Compliance	E004	02/08/2024	Dissolved Oxygen	0.460	mg/L
AW-14	Compliance	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AW-14	Compliance	E004	02/08/2024	Lead, total	0.00140	mg/L
AW-14	Compliance	E004	02/08/2024	Lithium, total	0.019	mg/L
AW-14	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-14	Compliance	E004	02/08/2024	Molybdenum, total	0.00590	mg/L
AW-14	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-123	mV
AW-14	Compliance	E004	02/08/2024	pH (field)	7.0	SU
AW-14	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	1.74	pCi/L
AW-14	Compliance	E004	02/08/2024	Selenium, total	0.00140	mg/L
AW-14	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,430	micromhos/cm
AW-14	Compliance	E004	02/08/2024	Sulfate, total	28.0	mg/L
AW-14	Compliance	E004	02/08/2024	Temperature	11.5	degrees C
AW-14	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-14	Compliance	E004	02/08/2024	Total Dissolved Solids	940	mg/L
AW-14	Compliance	E004	02/08/2024	Turbidity, field	156	NTU
AW-15	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-15	Compliance	E004	02/08/2024	Arsenic, total	0.00180	mg/L
AW-15	Compliance	E004	02/08/2024	Barium, total	1.70	mg/L
AW-15	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-15	Compliance	E004	02/08/2024	Boron, total	0.410 J+	mg/L
AW-15	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-15	Compliance	E004	02/08/2024	Calcium, total	140	mg/L
AW-15	Compliance	E004	02/08/2024	Chloride, total	36.0	mg/L
AW-15	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-15	Compliance	E004	02/08/2024	Cobalt, total	0.0016	mg/L
AW-15	Compliance	E004	02/08/2024	Dissolved Oxygen	0.670	mg/L
AW-15	Compliance	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AW-15	Compliance	E004	02/08/2024	Lead, total	0.00028	mg/L
AW-15	Compliance	E004	02/08/2024	Lithium, total	0.0330	mg/L
AW-15	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-15	Compliance	E004	02/08/2024	Molybdenum, total	0.00074 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-15	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-102	mV
AW-15	Compliance	E004	02/08/2024	pH (field)	6.8	SU
AW-15	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	5.34	pCi/L
AW-15	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-15	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,560	micromhos/cm
AW-15	Compliance	E004	02/08/2024	Sulfate, total	0.18 U	mg/L
AW-15	Compliance	E004	02/08/2024	Temperature	13.1	degrees C
AW-15	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-15	Compliance	E004	02/08/2024	Total Dissolved Solids	1,100	mg/L
AW-15	Compliance	E004	02/08/2024	Turbidity, field	34.5	NTU
AW-15S	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Arsenic, total	0.00069 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Barium, total	0.0730 J+	mg/L
AW-15S	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Boron, total	6.80	mg/L
AW-15S	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Calcium, total	250	mg/L
AW-15S	Compliance	E004	02/08/2024	Chloride, total	30.0	mg/L
AW-15S	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Cobalt, total	0.00048 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Dissolved Oxygen	0.590	mg/L
AW-15S	Compliance	E004	02/08/2024	Fluoride, total	0.260 J+	mg/L
AW-15S	Compliance	E004	02/08/2024	Lead, total	0.00022 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Lithium, total	0.016	mg/L
AW-15S	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Molybdenum, total	0.00280	mg/L
AW-15S	Compliance	E004	02/08/2024	Oxidation Reduction Potential	19.0	mV
AW-15S	Compliance	E004	02/08/2024	pH (field)	7.0	SU
AW-15S	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	0.522	pCi/L
AW-15S	Compliance	E004	02/08/2024	Selenium, total	0.00490	mg/L
AW-15S	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,420	micromhos/cm
AW-15S	Compliance	E004	02/08/2024	Sulfate, total	550	mg/L
AW-15S	Compliance	E004	02/08/2024	Temperature	12.6	degrees C
AW-15S	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-15S	Compliance	E004	02/08/2024	Total Dissolved Solids	1,300	mg/L
AW-15S	Compliance	E004	02/08/2024	Turbidity, field	0	NTU
AW-16	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-16	Compliance	E004	02/08/2024	Arsenic, total	0.00073	mg/L
AW-16	Compliance	E004	02/08/2024	Barium, total	1.10	mg/L
AW-16	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-16	Compliance	E004	02/08/2024	Boron, total	0.490 J+	mg/L
AW-16	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-16	Compliance	E004	02/08/2024	Calcium, total	140	mg/L
AW-16	Compliance	E004	02/08/2024	Chloride, total	50.0	mg/L
AW-16	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-16	Compliance	E004	02/08/2024	Cobalt, total	0.0014	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-16	Compliance	E004	02/08/2024	Dissolved Oxygen	0	mg/L
AW-16	Compliance	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AW-16	Compliance	E004	02/08/2024	Lead, total	0.00022 U	mg/L
AW-16	Compliance	E004	02/08/2024	Lithium, total	0.0380	mg/L
AW-16	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-16	Compliance	E004	02/08/2024	Molybdenum, total	0.00074 U	mg/L
AW-16	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-121	mV
AW-16	Compliance	E004	02/08/2024	pH (field)	6.5	SU
AW-16	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	3.46	pCi/L
AW-16	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-16	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	2,120	micromhos/cm
AW-16	Compliance	E004	02/08/2024	Sulfate, total	6.10	mg/L
AW-16	Compliance	E004	02/08/2024	Temperature	14.7	degrees C
AW-16	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-16	Compliance	E004	02/08/2024	Total Dissolved Solids	1,100	mg/L
AW-16	Compliance	E004	02/08/2024	Turbidity, field	0	NTU
AW-17	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-17	Compliance	E004	02/08/2024	Arsenic, total	0.00390	mg/L
AW-17	Compliance	E004	02/08/2024	Barium, total	1.00	mg/L
AW-17	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-17	Compliance	E004	02/08/2024	Boron, total	0.460 J+	mg/L
AW-17	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-17	Compliance	E004	02/08/2024	Calcium, total	100	mg/L
AW-17	Compliance	E004	02/08/2024	Chloride, total	52.0	mg/L
AW-17	Compliance	E004	02/08/2024	Chromium, total	0.0028 U	mg/L
AW-17	Compliance	E004	02/08/2024	Cobalt, total	0.00240	mg/L
AW-17	Compliance	E004	02/08/2024	Dissolved Oxygen	0	mg/L
AW-17	Compliance	E004	02/08/2024	Fluoride, total	0.3 U	mg/L
AW-17	Compliance	E004	02/08/2024	Lead, total	0.00098	mg/L
AW-17	Compliance	E004	02/08/2024	Lithium, total	0.0360	mg/L
AW-17	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-17	Compliance	E004	02/08/2024	Molybdenum, total	0.00074 U	mg/L
AW-17	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-132	mV
AW-17	Compliance	E004	02/08/2024	pH (field)	6.5	SU
AW-17	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	2.26	pCi/L
AW-17	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-17	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,776	micromhos/cm
AW-17	Compliance	E004	02/08/2024	Sulfate, total	0.18 U	mg/L
AW-17	Compliance	E004	02/08/2024	Temperature	13.4	degrees C
AW-17	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L
AW-17	Compliance	E004	02/08/2024	Total Dissolved Solids	900	mg/L
AW-17	Compliance	E004	02/08/2024	Turbidity, field	91.9	NTU
AW-18	Compliance	E004	02/07/2024	Antimony, total	0.00043 U	mg/L
AW-18	Compliance	E004	02/07/2024	Arsenic, total	0.00370	mg/L
AW-18	Compliance	E004	02/07/2024	Barium, total	1.60	mg/L
AW-18	Compliance	E004	02/07/2024	Beryllium, total	0.00059 U	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
AW-18	Compliance	E004	02/07/2024	Boron, total	0.430 J+	mg/L
AW-18	Compliance	E004	02/07/2024	Cadmium, total	0.00074 U	mg/L
AW-18	Compliance	E004	02/07/2024	Calcium, total	130	mg/L
AW-18	Compliance	E004	02/07/2024	Chloride, total	98.0	mg/L
AW-18	Compliance	E004	02/07/2024	Chromium, total	0.0028 U	mg/L
AW-18	Compliance	E004	02/07/2024	Cobalt, total	0.001	mg/L
AW-18	Compliance	E004	02/07/2024	Dissolved Oxygen	0.690	mg/L
AW-18	Compliance	E004	02/07/2024	Fluoride, total	0.075	mg/L
AW-18	Compliance	E004	02/07/2024	Lead, total	0.00069	mg/L
AW-18	Compliance	E004	02/07/2024	Lithium, total	0.0290	mg/L
AW-18	Compliance	E004	02/07/2024	Mercury, total	0.00014 U	mg/L
AW-18	Compliance	E004	02/07/2024	Molybdenum, total	0.00160	mg/L
AW-18	Compliance	E004	02/07/2024	Oxidation Reduction Potential	-106	mV
AW-18	Compliance	E004	02/07/2024	pH (field)	7.0	SU
AW-18	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	3.45	pCi/L
AW-18	Compliance	E004	02/07/2024	Selenium, total	0.00074 U	mg/L
AW-18	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,490	micromhos/cm
AW-18	Compliance	E004	02/07/2024	Sulfate, total	2.30	mg/L
AW-18	Compliance	E004	02/07/2024	Temperature	12.7	degrees C
AW-18	Compliance	E004	02/07/2024	Thallium, total	0.00038 U	mg/L
AW-18	Compliance	E004	02/07/2024	Total Dissolved Solids	880	mg/L
AW-18	Compliance	E004	02/07/2024	Turbidity, field	62.0	NTU
AW-19	Compliance	E004	02/08/2024	Antimony, total	0.00043 U	mg/L
AW-19	Compliance	E004	02/08/2024	Arsenic, total	0.0150	mg/L
AW-19	Compliance	E004	02/08/2024	Barium, total	0.200	mg/L
AW-19	Compliance	E004	02/08/2024	Beryllium, total	0.00059 U	mg/L
AW-19	Compliance	E004	02/08/2024	Boron, total	3.20	mg/L
AW-19	Compliance	E004	02/08/2024	Cadmium, total	0.00074 U	mg/L
AW-19	Compliance	E004	02/08/2024	Calcium, total	130	mg/L
AW-19	Compliance	E004	02/08/2024	Chloride, total	76.0	mg/L
AW-19	Compliance	E004	02/08/2024	Chromium, total	0.00470	mg/L
AW-19	Compliance	E004	02/08/2024	Cobalt, total	0.00240	mg/L
AW-19	Compliance	E004	02/08/2024	Dissolved Oxygen	0	mg/L
AW-19	Compliance	E004	02/08/2024	Fluoride, total	0.271 J+	mg/L
AW-19	Compliance	E004	02/08/2024	Lead, total	0.00290	mg/L
AW-19	Compliance	E004	02/08/2024	Lithium, total	0.015	mg/L
AW-19	Compliance	E004	02/08/2024	Mercury, total	0.00014 U	mg/L
AW-19	Compliance	E004	02/08/2024	Molybdenum, total	0.00390	mg/L
AW-19	Compliance	E004	02/08/2024	Oxidation Reduction Potential	-85.0	mV
AW-19	Compliance	E004	02/08/2024	pH (field)	6.8	SU
AW-19	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	1.17	pCi/L
AW-19	Compliance	E004	02/08/2024	Selenium, total	0.00074 U	mg/L
AW-19	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	1,185	micromhos/cm
AW-19	Compliance	E004	02/08/2024	Sulfate, total	54.0	mg/L
AW-19	Compliance	E004	02/08/2024	Temperature	13.4	degrees C
AW-19	Compliance	E004	02/08/2024	Thallium, total	0.00038 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-19	Compliance	E004	02/08/2024	Total Dissolved Solids	630	mg/L
AW-19	Compliance	E004	02/08/2024	Turbidity, field	60.6	NTU
AW-21	Compliance	E004	02/07/2024	Antimony, total	0.0012	mg/L
AW-21	Compliance	E004	02/07/2024	Arsenic, total	0.00260	mg/L
AW-21	Compliance	E004	02/07/2024	Barium, total	0.0670	mg/L
AW-21	Compliance	E004	02/07/2024	Beryllium, total	0.00059 U	mg/L
AW-21	Compliance	E004	02/07/2024	Boron, total	9.30	mg/L
AW-21	Compliance	E004	02/07/2024	Cadmium, total	0.00074 U	mg/L
AW-21	Compliance	E004	02/07/2024	Calcium, total	100	mg/L
AW-21	Compliance	E004	02/07/2024	Chloride, total	74.0	mg/L
AW-21	Compliance	E004	02/07/2024	Chromium, total	0.0031	mg/L
AW-21	Compliance	E004	02/07/2024	Cobalt, total	0.00073	mg/L
AW-21	Compliance	E004	02/07/2024	Dissolved Oxygen	2.80	mg/L
AW-21	Compliance	E004	02/07/2024	Fluoride, total	0.232	mg/L
AW-21	Compliance	E004	02/07/2024	Lead, total	0.00022 U	mg/L
AW-21	Compliance	E004	02/07/2024	Lithium, total	0.005 U	mg/L
AW-21	Compliance	E004	02/07/2024	Mercury, total	0.00014 U	mg/L
AW-21	Compliance	E004	02/07/2024	Molybdenum, total	0.0220	mg/L
AW-21	Compliance	E004	02/07/2024	Oxidation Reduction Potential	-39.0	mV
AW-21	Compliance	E004	02/07/2024	pH (field)	8.9	SU
AW-21	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	1.03	pCi/L
AW-21	Compliance	E004	02/07/2024	Selenium, total	0.00110	mg/L
AW-21	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	842	micromhos/cm
AW-21	Compliance	E004	02/07/2024	Sulfate, total	220	mg/L
AW-21	Compliance	E004	02/07/2024	Temperature	12.4	degrees C
AW-21	Compliance	E004	02/07/2024	Thallium, total	0.00038 U	mg/L
AW-21	Compliance	E004	02/07/2024	Total Dissolved Solids	580	mg/L
AW-21	Compliance	E004	02/07/2024	Turbidity, field	11.4	NTU

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

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AP05S	Background	E005	04/30/2024	Antimony, total	0.00043 U	mg/L
AP05S	Background	E005	04/30/2024	Arsenic, total	0.00120	mg/L
AP05S	Background	E005	04/30/2024	Barium, total	0.830	mg/L
AP05S	Background	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L
AP05S	Background	E005	04/30/2024	Boron, total	0.300	mg/L
AP05S	Background	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AP05S	Background	E005	04/30/2024	Calcium, total	100	mg/L
AP05S	Background	E005	04/30/2024	Chloride, total	42.0	mg/L
AP05S	Background	E005	04/30/2024	Chromium, total	0.0028 U	mg/L
AP05S	Background	E005	04/30/2024	Cobalt, total	0.001 J	mg/L
AP05S	Background	E005	04/30/2024	Dissolved Oxygen	0	mg/L
AP05S	Background	E005	04/30/2024	Fluoride, total	0.144 J	mg/L
AP05S	Background	E005	04/30/2024	Lead, total	0.00045 J	mg/L
AP05S	Background	E005	04/30/2024	Lithium, total	0.0280	mg/L
AP05S	Background	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AP05S	Background	E005	04/30/2024	Molybdenum, total	0.00074 U	mg/L
AP05S	Background	E005	04/30/2024	Oxidation Reduction Potential	-139	mV
AP05S	Background	E005	04/30/2024	pH (field)	6.7	SU
AP05S	Background	E005	04/30/2024	Radium 226 + Radium 228, total	1.46	pCi/L
AP05S	Background	E005	04/30/2024	Selenium, total	0.00074 U	mg/L
AP05S	Background	E005	04/30/2024	Specific Conductance @ 25C (field)	1,520	micromhos/cm
AP05S	Background	E005	04/30/2024	Sulfate, total	1.20	mg/L
AP05S	Background	E005	04/30/2024	Temperature	16.1	degrees C
AP05S	Background	E005	04/30/2024	Thallium, total	0.00038 U	mg/L
AP05S	Background	E005	04/30/2024	Total Dissolved Solids	900	mg/L
AP05S	Background	E005	04/30/2024	Turbidity, field	45.1	NTU
AW-08	Background	E005	05/02/2024	Antimony, total	0.00043 U	mg/L
AW-08	Background	E005	05/02/2024	Arsenic, total	0.0130	mg/L
AW-08	Background	E005	05/02/2024	Barium, total	0.410	mg/L
AW-08	Background	E005	05/02/2024	Beryllium, total	0.00059 U	mg/L
AW-08	Background	E005	05/02/2024	Boron, total	0.130	mg/L
AW-08	Background	E005	05/02/2024	Cadmium, total	0.00074 U	mg/L
AW-08	Background	E005	05/02/2024	Calcium, total	140	mg/L
AW-08	Background	E005	05/02/2024	Chloride, total	15.0	mg/L
AW-08	Background	E005	05/02/2024	Chromium, total	0.0028 U	mg/L
AW-08	Background	E005	05/02/2024	Cobalt, total	0.00048 U	mg/L
AW-08	Background	E005	05/02/2024	Dissolved Oxygen	0.410	mg/L
AW-08	Background	E005	05/02/2024	Fluoride, total	0.22 J	mg/L
AW-08	Background	E005	05/02/2024	Lead, total	0.00022 U	mg/L
AW-08	Background	E005	05/02/2024	Lithium, total	0.013 J	mg/L
AW-08	Background	E005	05/02/2024	Mercury, total	0.00014 U	mg/L
AW-08	Background	E005	05/02/2024	Molybdenum, total	0.00095 J	mg/L
AW-08	Background	E005	05/02/2024	Oxidation Reduction Potential	-153	mV
AW-08	Background	E005	05/02/2024	pH (field)	6.9	SU
AW-08	Background	E005	05/02/2024	Radium 226 + Radium 228, total	0.498	pCi/L
AW-08	Background	E005	05/02/2024	Selenium, total	0.00074 U	mg/L

TABLE 1.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-08	Background	E005	05/02/2024	Specific Conductance @ 25C (field)	1,610	micromhos/cm
AW-08	Background	E005	05/02/2024	Sulfate, total	1.20	mg/L
AW-08	Background	E005	05/02/2024	Temperature	21.6	degrees C
AW-08	Background	E005	05/02/2024	Thallium, total	0.00038 U	mg/L
AW-08	Background	E005	05/02/2024	Total Dissolved Solids	610	mg/L
AW-08	Background	E005	05/02/2024	Turbidity, field	11.2	NTU
AP07S	Compliance	E005	04/30/2024	Antimony, total	0.00043 U	mg/L
AP07S	Compliance	E005	04/30/2024	Arsenic, total	0.00069 U	mg/L
AP07S	Compliance	E005	04/30/2024	Barium, total	0.0840	mg/L
AP07S	Compliance	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L
AP07S	Compliance	E005	04/30/2024	Boron, total	18.0	mg/L
AP07S	Compliance	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AP07S	Compliance	E005	04/30/2024	Calcium, total	240	mg/L
AP07S	Compliance	E005	04/30/2024	Chloride, total	73.0	mg/L
AP07S	Compliance	E005	04/30/2024	Chromium, total	0.0028 U	mg/L
AP07S	Compliance	E005	04/30/2024	Cobalt, total	0.0014 J	mg/L
AP07S	Compliance	E005	04/30/2024	Dissolved Oxygen	0	mg/L
AP07S	Compliance	E005	04/30/2024	Fluoride, total	0.25 UJ	mg/L
AP07S	Compliance	E005	04/30/2024	Lead, total	0.00022 U	mg/L
AP07S	Compliance	E005	04/30/2024	Lithium, total	0.0072 J	mg/L
AP07S	Compliance	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AP07S	Compliance	E005	04/30/2024	Molybdenum, total	0.00079 J	mg/L
AP07S	Compliance	E005	04/30/2024	Oxidation Reduction Potential	6.00	mV
AP07S	Compliance	E005	04/30/2024	pH (field)	6.9	SU
AP07S	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.575	pCi/L
AP07S	Compliance	E005	04/30/2024	Selenium, total	0.00074 U	mg/L
AP07S	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	1,850	micromhos/cm
AP07S	Compliance	E005	04/30/2024	Sulfate, total	520	mg/L
AP07S	Compliance	E005	04/30/2024	Temperature	21.2	degrees C
AP07S	Compliance	E005	04/30/2024	Thallium, total	0.00038 U	mg/L
AP07S	Compliance	E005	04/30/2024	Total Dissolved Solids	1,700	mg/L
AP07S	Compliance	E005	04/30/2024	Turbidity, field	8.80	NTU
AW-01	Compliance	E005	04/30/2024	Antimony, total	0.00043 U	mg/L
AW-01	Compliance	E005	04/30/2024	Arsenic, total	0.00530	mg/L
AW-01	Compliance	E005	04/30/2024	Barium, total	0.0900	mg/L
AW-01	Compliance	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L
AW-01	Compliance	E005	04/30/2024	Boron, total	0.0870	mg/L
AW-01	Compliance	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AW-01	Compliance	E005	04/30/2024	Calcium, total	170	mg/L
AW-01	Compliance	E005	04/30/2024	Chloride, total	9.60	mg/L
AW-01	Compliance	E005	04/30/2024	Chromium, total	0.0028 U	mg/L
AW-01	Compliance	E005	04/30/2024	Cobalt, total	0.0013 J	mg/L
AW-01	Compliance	E005	04/30/2024	Dissolved Oxygen	0	mg/L
AW-01	Compliance	E005	04/30/2024	Fluoride, total	0.214 J	mg/L
AW-01	Compliance	E005	04/30/2024	Lead, total	0.00022 U	mg/L
AW-01	Compliance	E005	04/30/2024	Lithium, total	0.0064 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-01	Compliance	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AW-01	Compliance	E005	04/30/2024	Molybdenum, total	0.00340	mg/L
AW-01	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-43.0	mV
AW-01	Compliance	E005	04/30/2024	pH (field)	7.2	SU
AW-01	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.547	pCi/L
AW-01	Compliance	E005	04/30/2024	Selenium, total	0.00074 U	mg/L
AW-01	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	1,340	micromhos/cm
AW-01	Compliance	E005	04/30/2024	Sulfate, total	50.0	mg/L
AW-01	Compliance	E005	04/30/2024	Temperature	15.1	degrees C
AW-01	Compliance	E005	04/30/2024	Thallium, total	0.00038 U	mg/L
AW-01	Compliance	E005	04/30/2024	Total Dissolved Solids	870	mg/L
AW-01	Compliance	E005	04/30/2024	Turbidity, field	35.8	NTU
AW-05	Compliance	E005	04/30/2024	Antimony, total	0.00043 U	mg/L
AW-05	Compliance	E005	04/30/2024	Arsenic, total	0.00360	mg/L
AW-05	Compliance	E005	04/30/2024	Barium, total	0.110	mg/L
AW-05	Compliance	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L
AW-05	Compliance	E005	04/30/2024	Boron, total	4.10	mg/L
AW-05	Compliance	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AW-05	Compliance	E005	04/30/2024	Calcium, total	160	mg/L
AW-05	Compliance	E005	04/30/2024	Chloride, total	68.0	mg/L
AW-05	Compliance	E005	04/30/2024	Chromium, total	0.0033 J	mg/L
AW-05	Compliance	E005	04/30/2024	Cobalt, total	0.00280	mg/L
AW-05	Compliance	E005	04/30/2024	Dissolved Oxygen	0	mg/L
AW-05	Compliance	E005	04/30/2024	Fluoride, total	0.192 J	mg/L
AW-05	Compliance	E005	04/30/2024	Lead, total	0.00190	mg/L
AW-05	Compliance	E005	04/30/2024	Lithium, total	0.015 J	mg/L
AW-05	Compliance	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AW-05	Compliance	E005	04/30/2024	Molybdenum, total	0.00190	mg/L
AW-05	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-66.0	mV
AW-05	Compliance	E005	04/30/2024	pH (field)	7.0	SU
AW-05	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	2.22	pCi/L
AW-05	Compliance	E005	04/30/2024	Selenium, total	0.00074 U	mg/L
AW-05	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	1,480	micromhos/cm
AW-05	Compliance	E005	04/30/2024	Sulfate, total	350	mg/L
AW-05	Compliance	E005	04/30/2024	Temperature	16.1	degrees C
AW-05	Compliance	E005	04/30/2024	Thallium, total	0.00038 U	mg/L
AW-05	Compliance	E005	04/30/2024	Total Dissolved Solids	1,200	mg/L
AW-05	Compliance	E005	04/30/2024	Turbidity, field	509	NTU
AW-06	Compliance	E005	05/02/2024	Antimony, total	0.00043 U	mg/L
AW-06	Compliance	E005	05/02/2024	Arsenic, total	0.00570	mg/L
AW-06	Compliance	E005	05/02/2024	Barium, total	0.200	mg/L
AW-06	Compliance	E005	05/02/2024	Beryllium, total	0.00059 U	mg/L
AW-06	Compliance	E005	05/02/2024	Boron, total	0.0990	mg/L
AW-06	Compliance	E005	05/02/2024	Cadmium, total	0.00074 U	mg/L
AW-06	Compliance	E005	05/02/2024	Calcium, total	120	mg/L
AW-06	Compliance	E005	05/02/2024	Chloride, total	31.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-06	Compliance	E005	05/02/2024	Chromium, total	0.0028 U	mg/L
AW-06	Compliance	E005	05/02/2024	Cobalt, total	0.0012 J	mg/L
AW-06	Compliance	E005	05/02/2024	Dissolved Oxygen	1.60	mg/L
AW-06	Compliance	E005	05/02/2024	Fluoride, total	0.307	mg/L
AW-06	Compliance	E005	05/02/2024	Lead, total	0.00081 J	mg/L
AW-06	Compliance	E005	05/02/2024	Lithium, total	0.012 J	mg/L
AW-06	Compliance	E005	05/02/2024	Mercury, total	0.00014 U	mg/L
AW-06	Compliance	E005	05/02/2024	Molybdenum, total	0.00620	mg/L
AW-06	Compliance	E005	05/02/2024	Oxidation Reduction Potential	-115	mV
AW-06	Compliance	E005	05/02/2024	pH (field)	7.0	SU
AW-06	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	1.77	pCi/L
AW-06	Compliance	E005	05/02/2024	Selenium, total	0.00074 U	mg/L
AW-06	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,150	micromhos/cm
AW-06	Compliance	E005	05/02/2024	Sulfate, total	26.0	mg/L
AW-06	Compliance	E005	05/02/2024	Temperature	16.2	degrees C
AW-06	Compliance	E005	05/02/2024	Thallium, total	0.00038 U	mg/L
AW-06	Compliance	E005	05/02/2024	Total Dissolved Solids	580	mg/L
AW-06	Compliance	E005	05/02/2024	Turbidity, field	109	NTU
AW-09	Compliance	E005	05/02/2024	Antimony, total	0.00043 U	mg/L
AW-09	Compliance	E005	05/02/2024	Arsenic, total	0.0260	mg/L
AW-09	Compliance	E005	05/02/2024	Barium, total	0.470	mg/L
AW-09	Compliance	E005	05/02/2024	Beryllium, total	0.00059 U	mg/L
AW-09	Compliance	E005	05/02/2024	Boron, total	0.270	mg/L
AW-09	Compliance	E005	05/02/2024	Cadmium, total	0.00074 U	mg/L
AW-09	Compliance	E005	05/02/2024	Calcium, total	120	mg/L
AW-09	Compliance	E005	05/02/2024	Chloride, total	28.0	mg/L
AW-09	Compliance	E005	05/02/2024	Chromium, total	0.0028 U	mg/L
AW-09	Compliance	E005	05/02/2024	Cobalt, total	0.00210	mg/L
AW-09	Compliance	E005	05/02/2024	Dissolved Oxygen	1.20	mg/L
AW-09	Compliance	E005	05/02/2024	Fluoride, total	0.175 J	mg/L
AW-09	Compliance	E005	05/02/2024	Lead, total	0.00028 J	mg/L
AW-09	Compliance	E005	05/02/2024	Lithium, total	0.017 J	mg/L
AW-09	Compliance	E005	05/02/2024	Mercury, total	0.00014 U	mg/L
AW-09	Compliance	E005	05/02/2024	Molybdenum, total	0.0150	mg/L
AW-09	Compliance	E005	05/02/2024	Oxidation Reduction Potential	-139	mV
AW-09	Compliance	E005	05/02/2024	pH (field)	6.9	SU
AW-09	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	1.45	pCi/L
AW-09	Compliance	E005	05/02/2024	Selenium, total	0.00074 U	mg/L
AW-09	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,680	micromhos/cm
AW-09	Compliance	E005	05/02/2024	Sulfate, total	0.18 U	mg/L
AW-09	Compliance	E005	05/02/2024	Temperature	17.9	degrees C
AW-09	Compliance	E005	05/02/2024	Thallium, total	0.00038 U	mg/L
AW-09	Compliance	E005	05/02/2024	Total Dissolved Solids	770	mg/L
AW-09	Compliance	E005	05/02/2024	Turbidity, field	27.8	NTU
AW-10	Compliance	E005	05/02/2024	Antimony, total	0.00043 U	mg/L
AW-10	Compliance	E005	05/02/2024	Arsenic, total	0.00970	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-10	Compliance	E005	05/02/2024	Barium, total	0.900	mg/L
AW-10	Compliance	E005	05/02/2024	Beryllium, total	0.00059 U	mg/L
AW-10	Compliance	E005	05/02/2024	Boron, total	0.440	mg/L
AW-10	Compliance	E005	05/02/2024	Cadmium, total	0.00074 U	mg/L
AW-10	Compliance	E005	05/02/2024	Calcium, total	130	mg/L
AW-10	Compliance	E005	05/02/2024	Chloride, total	89.0	mg/L
AW-10	Compliance	E005	05/02/2024	Chromium, total	0.0140 J	mg/L
AW-10	Compliance	E005	05/02/2024	Cobalt, total	0.00960	mg/L
AW-10	Compliance	E005	05/02/2024	Dissolved Oxygen	0.400	mg/L
AW-10	Compliance	E005	05/02/2024	Fluoride, total	0.141 J	mg/L
AW-10	Compliance	E005	05/02/2024	Lead, total	0.00630	mg/L
AW-10	Compliance	E005	05/02/2024	Lithium, total	0.0530	mg/L
AW-10	Compliance	E005	05/02/2024	Mercury, total	0.00014 U	mg/L
AW-10	Compliance	E005	05/02/2024	Molybdenum, total	0.00180	mg/L
AW-10	Compliance	E005	05/02/2024	Oxidation Reduction Potential	-140	mV
AW-10	Compliance	E005	05/02/2024	pH (field)	7.0	SU
AW-10	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	2.53	pCi/L
AW-10	Compliance	E005	05/02/2024	Selenium, total	0.00074 U	mg/L
AW-10	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	2,410	micromhos/cm
AW-10	Compliance	E005	05/02/2024	Sulfate, total	0.18 U	mg/L
AW-10	Compliance	E005	05/02/2024	Temperature	18.7	degrees C
AW-10	Compliance	E005	05/02/2024	Thallium, total	0.00038 U	mg/L
AW-10	Compliance	E005	05/02/2024	Total Dissolved Solids	1,200	mg/L
AW-10	Compliance	E005	05/02/2024	Turbidity, field	343	NTU
AW-11	Compliance	E005	05/01/2024	Antimony, total	0.00043 U	mg/L
AW-11	Compliance	E005	05/01/2024	Arsenic, total	0.00770	mg/L
AW-11	Compliance	E005	05/01/2024	Barium, total	0.820	mg/L
AW-11	Compliance	E005	05/01/2024	Beryllium, total	0.00059 U	mg/L
AW-11	Compliance	E005	05/01/2024	Boron, total	0.250	mg/L
AW-11	Compliance	E005	05/01/2024	Cadmium, total	0.00074 U	mg/L
AW-11	Compliance	E005	05/01/2024	Calcium, total	160	mg/L
AW-11	Compliance	E005	05/01/2024	Chloride, total	31.0	mg/L
AW-11	Compliance	E005	05/01/2024	Chromium, total	0.0028 U	mg/L
AW-11	Compliance	E005	05/01/2024	Cobalt, total	0.00220	mg/L
AW-11	Compliance	E005	05/01/2024	Dissolved Oxygen	1.40	mg/L
AW-11	Compliance	E005	05/01/2024	Fluoride, total	0.126 J	mg/L
AW-11	Compliance	E005	05/01/2024	Lead, total	0.00160	mg/L
AW-11	Compliance	E005	05/01/2024	Lithium, total	0.0210	mg/L
AW-11	Compliance	E005	05/01/2024	Mercury, total	0.00014 U	mg/L
AW-11	Compliance	E005	05/01/2024	Molybdenum, total	0.00170	mg/L
AW-11	Compliance	E005	05/01/2024	Oxidation Reduction Potential	-117	mV
AW-11	Compliance	E005	05/01/2024	pH (field)	7.1	SU
AW-11	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	1.78	pCi/L
AW-11	Compliance	E005	05/01/2024	Selenium, total	0.00074 U	mg/L
AW-11	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,649	micromhos/cm
AW-11	Compliance	E005	05/01/2024	Sulfate, total	0.18 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-11	Compliance	E005	05/01/2024	Temperature	16.4	degrees C
AW-11	Compliance	E005	05/01/2024	Thallium, total	0.00038 U	mg/L
AW-11	Compliance	E005	05/01/2024	Total Dissolved Solids	990	mg/L
AW-11	Compliance	E005	05/01/2024	Turbidity, field	75.4	NTU
AW-14	Compliance	E005	05/01/2024	Antimony, total	0.00043 U	mg/L
AW-14	Compliance	E005	05/01/2024	Arsenic, total	0.00210	mg/L
AW-14	Compliance	E005	05/01/2024	Barium, total	0.600	mg/L
AW-14	Compliance	E005	05/01/2024	Beryllium, total	0.00059 U	mg/L
AW-14	Compliance	E005	05/01/2024	Boron, total	0.260	mg/L
AW-14	Compliance	E005	05/01/2024	Cadmium, total	0.00074 U	mg/L
AW-14	Compliance	E005	05/01/2024	Calcium, total	170	mg/L
AW-14	Compliance	E005	05/01/2024	Chloride, total	28.0	mg/L
AW-14	Compliance	E005	05/01/2024	Chromium, total	0.0028 U	mg/L
AW-14	Compliance	E005	05/01/2024	Cobalt, total	0.0015 J	mg/L
AW-14	Compliance	E005	05/01/2024	Dissolved Oxygen	0.0800	mg/L
AW-14	Compliance	E005	05/01/2024	Fluoride, total	0.0199 U	mg/L
AW-14	Compliance	E005	05/01/2024	Lead, total	0.00022 U	mg/L
AW-14	Compliance	E005	05/01/2024	Lithium, total	0.018 J	mg/L
AW-14	Compliance	E005	05/01/2024	Mercury, total	0.00014 U	mg/L
AW-14	Compliance	E005	05/01/2024	Molybdenum, total	0.00170	mg/L
AW-14	Compliance	E005	05/01/2024	Oxidation Reduction Potential	-118	mV
AW-14	Compliance	E005	05/01/2024	pH (field)	7.0	SU
AW-14	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	4.49	pCi/L
AW-14	Compliance	E005	05/01/2024	Selenium, total	0.00074 U	mg/L
AW-14	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,714	micromhos/cm
AW-14	Compliance	E005	05/01/2024	Sulfate, total	12.0	mg/L
AW-14	Compliance	E005	05/01/2024	Temperature	15.3	degrees C
AW-14	Compliance	E005	05/01/2024	Thallium, total	0.00038 U	mg/L
AW-14	Compliance	E005	05/01/2024	Total Dissolved Solids	990	mg/L
AW-14	Compliance	E005	05/01/2024	Turbidity, field	4.45	NTU
AW-15	Compliance	E005	05/01/2024	Antimony, total	0.00043 U	mg/L
AW-15	Compliance	E005	05/01/2024	Arsenic, total	0.00087 J	mg/L
AW-15	Compliance	E005	05/01/2024	Barium, total	1.70	mg/L
AW-15	Compliance	E005	05/01/2024	Beryllium, total	0.00059 U	mg/L
AW-15	Compliance	E005	05/01/2024	Boron, total	0.360	mg/L
AW-15	Compliance	E005	05/01/2024	Cadmium, total	0.00074 U	mg/L
AW-15	Compliance	E005	05/01/2024	Calcium, total	140	mg/L
AW-15	Compliance	E005	05/01/2024	Chloride, total	33.0	mg/L
AW-15	Compliance	E005	05/01/2024	Chromium, total	0.0028 U	mg/L
AW-15	Compliance	E005	05/01/2024	Cobalt, total	0.0015 J	mg/L
AW-15	Compliance	E005	05/01/2024	Dissolved Oxygen	0.830	mg/L
AW-15	Compliance	E005	05/01/2024	Fluoride, total	0.072 J	mg/L
AW-15	Compliance	E005	05/01/2024	Lead, total	0.00022 U	mg/L
AW-15	Compliance	E005	05/01/2024	Lithium, total	0.0290	mg/L
AW-15	Compliance	E005	05/01/2024	Mercury, total	0.00014 U	mg/L
AW-15	Compliance	E005	05/01/2024	Molybdenum, total	0.00074 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-15	Compliance	E005	05/01/2024	Oxidation Reduction Potential	-79.3	mV
AW-15	Compliance	E005	05/01/2024	pH (field)	6.8	SU
AW-15	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	7.02	pCi/L
AW-15	Compliance	E005	05/01/2024	Selenium, total	0.00074 U	mg/L
AW-15	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,886	micromhos/cm
AW-15	Compliance	E005	05/01/2024	Sulfate, total	0.18 U	mg/L
AW-15	Compliance	E005	05/01/2024	Temperature	15.7	degrees C
AW-15	Compliance	E005	05/01/2024	Thallium, total	0.00038 U	mg/L
AW-15	Compliance	E005	05/01/2024	Total Dissolved Solids	1,000	mg/L
AW-15	Compliance	E005	05/01/2024	Turbidity, field	18.3	NTU
AW-15S	Compliance	E005	05/01/2024	Antimony, total	0.00043 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Arsenic, total	0.00069 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Barium, total	0.0780	mg/L
AW-15S	Compliance	E005	05/01/2024	Beryllium, total	0.00059 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Boron, total	5.50	mg/L
AW-15S	Compliance	E005	05/01/2024	Cadmium, total	0.00074 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Calcium, total	260	mg/L
AW-15S	Compliance	E005	05/01/2024	Chloride, total	28.0	mg/L
AW-15S	Compliance	E005	05/01/2024	Chromium, total	0.0028 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Cobalt, total	0.00048 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Dissolved Oxygen	0.510	mg/L
AW-15S	Compliance	E005	05/01/2024	Fluoride, total	0.226 J	mg/L
AW-15S	Compliance	E005	05/01/2024	Lead, total	0.00022 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Lithium, total	0.014 J	mg/L
AW-15S	Compliance	E005	05/01/2024	Mercury, total	0.00014 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Molybdenum, total	0.00250	mg/L
AW-15S	Compliance	E005	05/01/2024	Oxidation Reduction Potential	95.4	mV
AW-15S	Compliance	E005	05/01/2024	pH (field)	6.8	SU
AW-15S	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	0.846	pCi/L
AW-15S	Compliance	E005	05/01/2024	Selenium, total	0.00074 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,664	micromhos/cm
AW-15S	Compliance	E005	05/01/2024	Sulfate, total	540	mg/L
AW-15S	Compliance	E005	05/01/2024	Temperature	14.1	degrees C
AW-15S	Compliance	E005	05/01/2024	Thallium, total	0.00038 U	mg/L
AW-15S	Compliance	E005	05/01/2024	Total Dissolved Solids	1,400	mg/L
AW-15S	Compliance	E005	05/01/2024	Turbidity, field	2.96	NTU
AW-16	Compliance	E005	04/30/2024	Antimony, total	0.00043 U	mg/L
AW-16	Compliance	E005	04/30/2024	Arsenic, total	0.00120	mg/L
AW-16	Compliance	E005	04/30/2024	Barium, total	1.20	mg/L
AW-16	Compliance	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L
AW-16	Compliance	E005	04/30/2024	Boron, total	0.440	mg/L
AW-16	Compliance	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AW-16	Compliance	E005	04/30/2024	Calcium, total	140	mg/L
AW-16	Compliance	E005	04/30/2024	Chloride, total	45.0	mg/L
AW-16	Compliance	E005	04/30/2024	Chromium, total	0.0028 U	mg/L
AW-16	Compliance	E005	04/30/2024	Cobalt, total	0.0014 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-16	Compliance	E005	04/30/2024	Dissolved Oxygen	0.120	mg/L
AW-16	Compliance	E005	04/30/2024	Fluoride, total	0.064 J	mg/L
AW-16	Compliance	E005	04/30/2024	Lead, total	0.00022 U	mg/L
AW-16	Compliance	E005	04/30/2024	Lithium, total	0.0350	mg/L
AW-16	Compliance	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AW-16	Compliance	E005	04/30/2024	Molybdenum, total	0.00074 U	mg/L
AW-16	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-138	mV
AW-16	Compliance	E005	04/30/2024	pH (field)	6.5	SU
AW-16	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	2.44	pCi/L
AW-16	Compliance	E005	04/30/2024	Selenium, total	0.00074 U	mg/L
AW-16	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	2,120	micromhos/cm
AW-16	Compliance	E005	04/30/2024	Sulfate, total	0.32 J	mg/L
AW-16	Compliance	E005	04/30/2024	Temperature	19.7	degrees C
AW-16	Compliance	E005	04/30/2024	Thallium, total	0.00038 U	mg/L
AW-16	Compliance	E005	04/30/2024	Total Dissolved Solids	1,300	mg/L
AW-16	Compliance	E005	04/30/2024	Turbidity, field	0	NTU
AW-17	Compliance	E005	05/01/2024	Antimony, total	0.00043 U	mg/L
AW-17	Compliance	E005	05/01/2024	Arsenic, total	0.00530	mg/L
AW-17	Compliance	E005	05/01/2024	Barium, total	1.30	mg/L
AW-17	Compliance	E005	05/01/2024	Beryllium, total	0.00059 U	mg/L
AW-17	Compliance	E005	05/01/2024	Boron, total	0.410	mg/L
AW-17	Compliance	E005	05/01/2024	Cadmium, total	0.00074 U	mg/L
AW-17	Compliance	E005	05/01/2024	Calcium, total	110	mg/L
AW-17	Compliance	E005	05/01/2024	Chloride, total	50.0	mg/L
AW-17	Compliance	E005	05/01/2024	Chromium, total	0.0028 U	mg/L
AW-17	Compliance	E005	05/01/2024	Cobalt, total	0.00210	mg/L
AW-17	Compliance	E005	05/01/2024	Dissolved Oxygen	0.0500	mg/L
AW-17	Compliance	E005	05/01/2024	Fluoride, total	0.095 J	mg/L
AW-17	Compliance	E005	05/01/2024	Lead, total	0.00046 J	mg/L
AW-17	Compliance	E005	05/01/2024	Lithium, total	0.0350	mg/L
AW-17	Compliance	E005	05/01/2024	Mercury, total	0.00014 U	mg/L
AW-17	Compliance	E005	05/01/2024	Molybdenum, total	0.00074 U	mg/L
AW-17	Compliance	E005	05/01/2024	Oxidation Reduction Potential	-125	mV
AW-17	Compliance	E005	05/01/2024	pH (field)	6.8	SU
AW-17	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	1.75	pCi/L
AW-17	Compliance	E005	05/01/2024	Selenium, total	0.00074 U	mg/L
AW-17	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,721	micromhos/cm
AW-17	Compliance	E005	05/01/2024	Sulfate, total	0.18 U	mg/L
AW-17	Compliance	E005	05/01/2024	Temperature	18.1	degrees C
AW-17	Compliance	E005	05/01/2024	Thallium, total	0.00038 U	mg/L
AW-17	Compliance	E005	05/01/2024	Total Dissolved Solids	910	mg/L
AW-17	Compliance	E005	05/01/2024	Turbidity, field	47.4	NTU
AW-18	Compliance	E005	04/30/2024	Antimony, total	0.00043 U	mg/L
AW-18	Compliance	E005	04/30/2024	Arsenic, total	0.00330	mg/L
AW-18	Compliance	E005	04/30/2024	Barium, total	1.40	mg/L
AW-18	Compliance	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-18	Compliance	E005	04/30/2024	Boron, total	0.750	mg/L
AW-18	Compliance	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AW-18	Compliance	E005	04/30/2024	Calcium, total	120	mg/L
AW-18	Compliance	E005	04/30/2024	Chloride, total	94.0	mg/L
AW-18	Compliance	E005	04/30/2024	Chromium, total	0.0028 U	mg/L
AW-18	Compliance	E005	04/30/2024	Cobalt, total	0.00072 J	mg/L
AW-18	Compliance	E005	04/30/2024	Dissolved Oxygen	0	mg/L
AW-18	Compliance	E005	04/30/2024	Fluoride, total	0.11 J	mg/L
AW-18	Compliance	E005	04/30/2024	Lead, total	0.00065 J	mg/L
AW-18	Compliance	E005	04/30/2024	Lithium, total	0.0240	mg/L
AW-18	Compliance	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AW-18	Compliance	E005	04/30/2024	Molybdenum, total	0.00150	mg/L
AW-18	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-134	mV
AW-18	Compliance	E005	04/30/2024	pH (field)	6.7	SU
AW-18	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	3.23	pCi/L
AW-18	Compliance	E005	04/30/2024	Selenium, total	0.00074 U	mg/L
AW-18	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	1,720	micromhos/cm
AW-18	Compliance	E005	04/30/2024	Sulfate, total	2.60	mg/L
AW-18	Compliance	E005	04/30/2024	Temperature	25.4	degrees C
AW-18	Compliance	E005	04/30/2024	Thallium, total	0.00038 U	mg/L
AW-18	Compliance	E005	04/30/2024	Total Dissolved Solids	980	mg/L
AW-18	Compliance	E005	04/30/2024	Turbidity, field	31.3	NTU
AW-19	Compliance	E005	04/30/2024	Antimony, total	0.00043 U	mg/L
AW-19	Compliance	E005	04/30/2024	Arsenic, total	0.0130	mg/L
AW-19	Compliance	E005	04/30/2024	Barium, total	0.190	mg/L
AW-19	Compliance	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L
AW-19	Compliance	E005	04/30/2024	Boron, total	2.80	mg/L
AW-19	Compliance	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AW-19	Compliance	E005	04/30/2024	Calcium, total	120	mg/L
AW-19	Compliance	E005	04/30/2024	Chloride, total	73.0	mg/L
AW-19	Compliance	E005	04/30/2024	Chromium, total	0.0028 U	mg/L
AW-19	Compliance	E005	04/30/2024	Cobalt, total	0.00081 J	mg/L
AW-19	Compliance	E005	04/30/2024	Dissolved Oxygen	0.940	mg/L
AW-19	Compliance	E005	04/30/2024	Fluoride, total	0.248 J	mg/L
AW-19	Compliance	E005	04/30/2024	Lead, total	0.00052 J	mg/L
AW-19	Compliance	E005	04/30/2024	Lithium, total	0.011 J	mg/L
AW-19	Compliance	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AW-19	Compliance	E005	04/30/2024	Molybdenum, total	0.00360	mg/L
AW-19	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-93.0	mV
AW-19	Compliance	E005	04/30/2024	pH (field)	6.8	SU
AW-19	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.18	pCi/L
AW-19	Compliance	E005	04/30/2024	Selenium, total	0.00074 U	mg/L
AW-19	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	1,090	micromhos/cm
AW-19	Compliance	E005	04/30/2024	Sulfate, total	55.0	mg/L
AW-19	Compliance	E005	04/30/2024	Temperature	20.3	degrees C
AW-19	Compliance	E005	04/30/2024	Thallium, total	0.00038 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-19	Compliance	E005	04/30/2024	Total Dissolved Solids	760	mg/L
AW-19	Compliance	E005	04/30/2024	Turbidity, field	20.1	NTU
AW-21	Compliance	E005	04/30/2024	Antimony, total	0.0022 J	mg/L
AW-21	Compliance	E005	04/30/2024	Arsenic, total	0.00390	mg/L
AW-21	Compliance	E005	04/30/2024	Barium, total	0.0790	mg/L
AW-21	Compliance	E005	04/30/2024	Beryllium, total	0.00059 U	mg/L
AW-21	Compliance	E005	04/30/2024	Boron, total	9.50	mg/L
AW-21	Compliance	E005	04/30/2024	Cadmium, total	0.00074 U	mg/L
AW-21	Compliance	E005	04/30/2024	Calcium, total	100	mg/L
AW-21	Compliance	E005	04/30/2024	Chloride, total	60.0	mg/L
AW-21	Compliance	E005	04/30/2024	Chromium, total	0.0028 U	mg/L
AW-21	Compliance	E005	04/30/2024	Cobalt, total	0.00048 U	mg/L
AW-21	Compliance	E005	04/30/2024	Dissolved Oxygen	5.60	mg/L
AW-21	Compliance	E005	04/30/2024	Fluoride, total	0.279	mg/L
AW-21	Compliance	E005	04/30/2024	Lead, total	0.00022 U	mg/L
AW-21	Compliance	E005	04/30/2024	Lithium, total	0.0067 J	mg/L
AW-21	Compliance	E005	04/30/2024	Mercury, total	0.00014 U	mg/L
AW-21	Compliance	E005	04/30/2024	Molybdenum, total	0.0210	mg/L
AW-21	Compliance	E005	04/30/2024	Oxidation Reduction Potential	82.0	mV
AW-21	Compliance	E005	04/30/2024	pH (field)	7.7	SU
AW-21	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.788	pCi/L
AW-21	Compliance	E005	04/30/2024	Selenium, total	0.00260	mg/L
AW-21	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	618	micromhos/cm
AW-21	Compliance	E005	04/30/2024	Sulfate, total	210	mg/L
AW-21	Compliance	E005	04/30/2024	Temperature	18.9	degrees C
AW-21	Compliance	E005	04/30/2024	Thallium, total	0.00038 U	mg/L
AW-21	Compliance	E005	04/30/2024	Total Dissolved Solids	770	mg/L
AW-21	Compliance	E005	04/30/2024	Turbidity, field	3.80	NTU

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

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AP05S	Background	E006	07/18/2024	Antimony, total	0.00043 U	mg/L
AP05S	Background	E006	07/18/2024	Arsenic, total	0.00069 U	mg/L
AP05S	Background	E006	07/18/2024	Barium, total	1.10	mg/L
AP05S	Background	E006	07/18/2024	Beryllium, total	0.00059 U	mg/L
AP05S	Background	E006	07/18/2024	Boron, total	0.360	mg/L
AP05S	Background	E006	07/18/2024	Cadmium, total	0.00074 U	mg/L
AP05S	Background	E006	07/18/2024	Calcium, total	98.0	mg/L
AP05S	Background	E006	07/18/2024	Chloride, total	47.0	mg/L
AP05S	Background	E006	07/18/2024	Chromium, total	0.0028 U	mg/L
AP05S	Background	E006	07/18/2024	Cobalt, total	0.0013 J	mg/L
AP05S	Background	E006	07/18/2024	Dissolved Oxygen	0.960	mg/L
AP05S	Background	E006	07/18/2024	Fluoride, total	0.25 UJ	mg/L
AP05S	Background	E006	07/18/2024	Lead, total	0.00036 J	mg/L
AP05S	Background	E006	07/18/2024	Lithium, total	0.0300	mg/L
AP05S	Background	E006	07/18/2024	Mercury, total	0.00014 U	mg/L
AP05S	Background	E006	07/18/2024	Molybdenum, total	0.00074 U	mg/L
AP05S	Background	E006	07/18/2024	Oxidation Reduction Potential	-143	mV
AP05S	Background	E006	07/18/2024	pH (field)	7.0	SU
AP05S	Background	E006	07/18/2024	Radium 226 + Radium 228, total	4.13	pCi/L
AP05S	Background	E006	07/18/2024	Selenium, total	0.00074 U	mg/L
AP05S	Background	E006	07/18/2024	Specific Conductance @ 25C (field)	1,057	micromhos/cm
AP05S	Background	E006	07/18/2024	Sulfate, total	0.34 J	mg/L
AP05S	Background	E006	07/18/2024	Temperature	15.6	degrees C
AP05S	Background	E006	07/18/2024	Thallium, total	0.00038 U	mg/L
AP05S	Background	E006	07/18/2024	Total Dissolved Solids	900	mg/L
AP05S	Background	E006	07/18/2024	Turbidity, field	79.9	NTU
AW-08	Background	E006	07/18/2024	Antimony, total	0.00043 U	mg/L
AW-08	Background	E006	07/18/2024	Arsenic, total	0.0130	mg/L
AW-08	Background	E006	07/18/2024	Barium, total	0.310	mg/L
AW-08	Background	E006	07/18/2024	Beryllium, total	0.00059 U	mg/L
AW-08	Background	E006	07/18/2024	Boron, total	0.110 J+	mg/L
AW-08	Background	E006	07/18/2024	Cadmium, total	0.00074 U	mg/L
AW-08	Background	E006	07/18/2024	Calcium, total	140	mg/L
AW-08	Background	E006	07/18/2024	Chloride, total	17.0	mg/L
AW-08	Background	E006	07/18/2024	Chromium, total	0.0028 U	mg/L
AW-08	Background	E006	07/18/2024	Cobalt, total	0.00048 U	mg/L
AW-08	Background	E006	07/18/2024	Dissolved Oxygen	1.40	mg/L
AW-08	Background	E006	07/18/2024	Fluoride, total	0.25 UJ	mg/L
AW-08	Background	E006	07/18/2024	Lead, total	0.00022 U	mg/L
AW-08	Background	E006	07/18/2024	Lithium, total	0.0098 J	mg/L
AW-08	Background	E006	07/18/2024	Mercury, total	0.00014 U	mg/L
AW-08	Background	E006	07/18/2024	Molybdenum, total	0.00092 J	mg/L
AW-08	Background	E006	07/18/2024	Oxidation Reduction Potential	-155	mV
AW-08	Background	E006	07/18/2024	pH (field)	7.1	SU
AW-08	Background	E006	07/18/2024	Radium 226 + Radium 228, total	5.55	pCi/L
AW-08	Background	E006	07/18/2024	Selenium, total	0.00074 U	mg/L

TABLE 1.
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ASH POND
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-08	Background	E006	07/18/2024	Specific Conductance @ 25C (field)	1,046	micromhos/cm
AW-08	Background	E006	07/18/2024	Sulfate, total	0.19 J	mg/L
AW-08	Background	E006	07/18/2024	Temperature	21.0	degrees C
AW-08	Background	E006	07/18/2024	Thallium, total	0.00038 U	mg/L
AW-08	Background	E006	07/18/2024	Total Dissolved Solids	720	mg/L
AW-08	Background	E006	07/18/2024	Turbidity, field	14.3	NTU
AP07S	Compliance	E006	07/16/2024	Antimony, total	0.00043 U	mg/L
AP07S	Compliance	E006	07/16/2024	Arsenic, total	0.00069 U	mg/L
AP07S	Compliance	E006	07/16/2024	Barium, total	0.0700	mg/L
AP07S	Compliance	E006	07/16/2024	Beryllium, total	0.00059 U	mg/L
AP07S	Compliance	E006	07/16/2024	Boron, total	21.0	mg/L
AP07S	Compliance	E006	07/16/2024	Cadmium, total	0.00074 U	mg/L
AP07S	Compliance	E006	07/16/2024	Calcium, total	230	mg/L
AP07S	Compliance	E006	07/16/2024	Chloride, total	77.0	mg/L
AP07S	Compliance	E006	07/16/2024	Chromium, total	0.0028 U	mg/L
AP07S	Compliance	E006	07/16/2024	Cobalt, total	0.0014 J	mg/L
AP07S	Compliance	E006	07/16/2024	Dissolved Oxygen	1.90	mg/L
AP07S	Compliance	E006	07/16/2024	Fluoride, total	0.251	mg/L
AP07S	Compliance	E006	07/16/2024	Lead, total	0.00022 U	mg/L
AP07S	Compliance	E006	07/16/2024	Lithium, total	0.0065 J	mg/L
AP07S	Compliance	E006	07/16/2024	Mercury, total	0.00014 U	mg/L
AP07S	Compliance	E006	07/16/2024	Molybdenum, total	0.00079 J	mg/L
AP07S	Compliance	E006	07/16/2024	Oxidation Reduction Potential	97.0	mV
AP07S	Compliance	E006	07/16/2024	pH (field)	6.9	SU
AP07S	Compliance	E006	07/16/2024	Radium 226 + Radium 228, total	1.03	pCi/L
AP07S	Compliance	E006	07/16/2024	Selenium, total	0.00074 U	mg/L
AP07S	Compliance	E006	07/16/2024	Specific Conductance @ 25C (field)	1,090	micromhos/cm
AP07S	Compliance	E006	07/16/2024	Sulfate, total	520	mg/L
AP07S	Compliance	E006	07/16/2024	Temperature	18.8	degrees C
AP07S	Compliance	E006	07/16/2024	Thallium, total	0.00038 U	mg/L
AP07S	Compliance	E006	07/16/2024	Total Dissolved Solids	1,500	mg/L
AP07S	Compliance	E006	07/16/2024	Turbidity, field	1.10	NTU
AW-01	Compliance	E006	07/16/2024	Antimony, total	0.00043 U	mg/L
AW-01	Compliance	E006	07/16/2024	Arsenic, total	0.00680	mg/L
AW-01	Compliance	E006	07/16/2024	Barium, total	0.120	mg/L
AW-01	Compliance	E006	07/16/2024	Beryllium, total	0.00059 U	mg/L
AW-01	Compliance	E006	07/16/2024	Boron, total	0.0890 J+	mg/L
AW-01	Compliance	E006	07/16/2024	Cadmium, total	0.00074 U	mg/L
AW-01	Compliance	E006	07/16/2024	Calcium, total	180	mg/L
AW-01	Compliance	E006	07/16/2024	Chloride, total	8.20	mg/L
AW-01	Compliance	E006	07/16/2024	Chromium, total	0.0028 U	mg/L
AW-01	Compliance	E006	07/16/2024	Cobalt, total	0.00350	mg/L
AW-01	Compliance	E006	07/16/2024	Dissolved Oxygen	3.30	mg/L
AW-01	Compliance	E006	07/16/2024	Fluoride, total	0.270	mg/L
AW-01	Compliance	E006	07/16/2024	Lead, total	0.00022 U	mg/L
AW-01	Compliance	E006	07/16/2024	Lithium, total	0.005 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-01	Compliance	E006	07/16/2024	Mercury, total	0.00019 J	mg/L
AW-01	Compliance	E006	07/16/2024	Molybdenum, total	0.00330	mg/L
AW-01	Compliance	E006	07/16/2024	Oxidation Reduction Potential	30.0	mV
AW-01	Compliance	E006	07/16/2024	pH (field)	7.0	SU
AW-01	Compliance	E006	07/16/2024	Radium 226 + Radium 228, total	3.92	pCi/L
AW-01	Compliance	E006	07/16/2024	Selenium, total	0.00074 U	mg/L
AW-01	Compliance	E006	07/16/2024	Specific Conductance @ 25C (field)	1,030	micromhos/cm
AW-01	Compliance	E006	07/16/2024	Sulfate, total	47.0	mg/L
AW-01	Compliance	E006	07/16/2024	Temperature	20.8	degrees C
AW-01	Compliance	E006	07/16/2024	Thallium, total	0.00038 U	mg/L
AW-01	Compliance	E006	07/16/2024	Total Dissolved Solids	800	mg/L
AW-01	Compliance	E006	07/16/2024	Turbidity, field	87.0	NTU
AW-05	Compliance	E006	07/16/2024	Antimony, total	0.00043 U	mg/L
AW-05	Compliance	E006	07/16/2024	Arsenic, total	0.00320	mg/L
AW-05	Compliance	E006	07/16/2024	Barium, total	0.100	mg/L
AW-05	Compliance	E006	07/16/2024	Beryllium, total	0.00059 U	mg/L
AW-05	Compliance	E006	07/16/2024	Boron, total	7.40	mg/L
AW-05	Compliance	E006	07/16/2024	Cadmium, total	0.00074 U	mg/L
AW-05	Compliance	E006	07/16/2024	Calcium, total	170	mg/L
AW-05	Compliance	E006	07/16/2024	Chloride, total	71.0	mg/L
AW-05	Compliance	E006	07/16/2024	Chromium, total	0.0028 U	mg/L
AW-05	Compliance	E006	07/16/2024	Cobalt, total	0.0018 J	mg/L
AW-05	Compliance	E006	07/16/2024	Dissolved Oxygen	0	mg/L
AW-05	Compliance	E006	07/16/2024	Fluoride, total	0.25 UJ	mg/L
AW-05	Compliance	E006	07/16/2024	Lead, total	0.00086 J	mg/L
AW-05	Compliance	E006	07/16/2024	Lithium, total	0.012 J	mg/L
AW-05	Compliance	E006	07/16/2024	Mercury, total	0.00014 U	mg/L
AW-05	Compliance	E006	07/16/2024	Molybdenum, total	0.00200	mg/L
AW-05	Compliance	E006	07/16/2024	Oxidation Reduction Potential	-69.0	mV
AW-05	Compliance	E006	07/16/2024	pH (field)	7.3	SU
AW-05	Compliance	E006	07/16/2024	Radium 226 + Radium 228, total	1.03	pCi/L
AW-05	Compliance	E006	07/16/2024	Selenium, total	0.00074 U	mg/L
AW-05	Compliance	E006	07/16/2024	Specific Conductance @ 25C (field)	1,460	micromhos/cm
AW-05	Compliance	E006	07/16/2024	Sulfate, total	390	mg/L
AW-05	Compliance	E006	07/16/2024	Temperature	18.0	degrees C
AW-05	Compliance	E006	07/16/2024	Thallium, total	0.00038 U	mg/L
AW-05	Compliance	E006	07/16/2024	Total Dissolved Solids	1,100	mg/L
AW-05	Compliance	E006	07/16/2024	Turbidity, field	266	NTU
AW-06	Compliance	E006	07/15/2024	Antimony, total	0.00043 U	mg/L
AW-06	Compliance	E006	07/15/2024	Arsenic, total	0.00480	mg/L
AW-06	Compliance	E006	07/15/2024	Barium, total	0.190	mg/L
AW-06	Compliance	E006	07/15/2024	Beryllium, total	0.00059 U	mg/L
AW-06	Compliance	E006	07/15/2024	Boron, total	0.120 J+	mg/L
AW-06	Compliance	E006	07/15/2024	Cadmium, total	0.00074 U	mg/L
AW-06	Compliance	E006	07/15/2024	Calcium, total	120	mg/L
AW-06	Compliance	E006	07/15/2024	Chloride, total	37.0	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-06	Compliance	E006	07/15/2024	Chromium, total	0.0028 U	mg/L
AW-06	Compliance	E006	07/15/2024	Cobalt, total	0.00049 J	mg/L
AW-06	Compliance	E006	07/15/2024	Dissolved Oxygen	1.70	mg/L
AW-06	Compliance	E006	07/15/2024	Fluoride, total	0.321	mg/L
AW-06	Compliance	E006	07/15/2024	Lead, total	0.00022 U	mg/L
AW-06	Compliance	E006	07/15/2024	Lithium, total	0.0097 J	mg/L
AW-06	Compliance	E006	07/15/2024	Mercury, total	0.00014 U	mg/L
AW-06	Compliance	E006	07/15/2024	Molybdenum, total	0.00580	mg/L
AW-06	Compliance	E006	07/15/2024	Oxidation Reduction Potential	-64.0	mV
AW-06	Compliance	E006	07/15/2024	pH (field)	7.0	SU
AW-06	Compliance	E006	07/15/2024	Radium 226 + Radium 228, total	0.417	pCi/L
AW-06	Compliance	E006	07/15/2024	Selenium, total	0.00074 U	mg/L
AW-06	Compliance	E006	07/15/2024	Specific Conductance @ 25C (field)	1,150	micromhos/cm
AW-06	Compliance	E006	07/15/2024	Sulfate, total	24.0 J	mg/L
AW-06	Compliance	E006	07/15/2024	Temperature	25.2	degrees C
AW-06	Compliance	E006	07/15/2024	Thallium, total	0.00038 U	mg/L
AW-06	Compliance	E006	07/15/2024	Total Dissolved Solids	570	mg/L
AW-06	Compliance	E006	07/15/2024	Turbidity, field	0 U	NTU
AW-09	Compliance	E006	07/16/2024	Antimony, total	0.00043 U	mg/L
AW-09	Compliance	E006	07/16/2024	Arsenic, total	0.0240	mg/L
AW-09	Compliance	E006	07/16/2024	Barium, total	0.450	mg/L
AW-09	Compliance	E006	07/16/2024	Beryllium, total	0.00059 U	mg/L
AW-09	Compliance	E006	07/16/2024	Boron, total	0.280	mg/L
AW-09	Compliance	E006	07/16/2024	Cadmium, total	0.00074 U	mg/L
AW-09	Compliance	E006	07/16/2024	Calcium, total	120	mg/L
AW-09	Compliance	E006	07/16/2024	Chloride, total	26.0	mg/L
AW-09	Compliance	E006	07/16/2024	Chromium, total	0.0028 U	mg/L
AW-09	Compliance	E006	07/16/2024	Cobalt, total	0.00270	mg/L
AW-09	Compliance	E006	07/16/2024	Dissolved Oxygen	1.70	mg/L
AW-09	Compliance	E006	07/16/2024	Fluoride, total	0.25 UJ	mg/L
AW-09	Compliance	E006	07/16/2024	Lead, total	0.00092 J	mg/L
AW-09	Compliance	E006	07/16/2024	Lithium, total	0.0270	mg/L
AW-09	Compliance	E006	07/16/2024	Mercury, total	0.00014 U	mg/L
AW-09	Compliance	E006	07/16/2024	Molybdenum, total	0.0140	mg/L
AW-09	Compliance	E006	07/16/2024	Oxidation Reduction Potential	-118	mV
AW-09	Compliance	E006	07/16/2024	pH (field)	7.0	SU
AW-09	Compliance	E006	07/16/2024	Radium 226 + Radium 228, total	0.919	pCi/L
AW-09	Compliance	E006	07/16/2024	Selenium, total	0.00074 U	mg/L
AW-09	Compliance	E006	07/16/2024	Specific Conductance @ 25C (field)	1,580	micromhos/cm
AW-09	Compliance	E006	07/16/2024	Sulfate, total	0.21 J	mg/L
AW-09	Compliance	E006	07/16/2024	Temperature	22.0	degrees C
AW-09	Compliance	E006	07/16/2024	Thallium, total	0.00038 U	mg/L
AW-09	Compliance	E006	07/16/2024	Total Dissolved Solids	800	mg/L
AW-09	Compliance	E006	07/16/2024	Turbidity, field	0 U	NTU
AW-10	Compliance	E006	07/18/2024	Antimony, total	0.00043 U	mg/L
AW-10	Compliance	E006	07/18/2024	Arsenic, total	0.0110	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-10	Compliance	E006	07/18/2024	Barium, total	1.10	mg/L
AW-10	Compliance	E006	07/18/2024	Beryllium, total	0.00059 U	mg/L
AW-10	Compliance	E006	07/18/2024	Boron, total	0.460	mg/L
AW-10	Compliance	E006	07/18/2024	Cadmium, total	0.00074 U	mg/L
AW-10	Compliance	E006	07/18/2024	Calcium, total	140	mg/L
AW-10	Compliance	E006	07/18/2024	Chloride, total	89.0	mg/L
AW-10	Compliance	E006	07/18/2024	Chromium, total	0.0190	mg/L
AW-10	Compliance	E006	07/18/2024	Cobalt, total	0.0100	mg/L
AW-10	Compliance	E006	07/18/2024	Dissolved Oxygen	3.50	mg/L
AW-10	Compliance	E006	07/18/2024	Fluoride, total	0.25 UJ	mg/L
AW-10	Compliance	E006	07/18/2024	Lead, total	0.00960	mg/L
AW-10	Compliance	E006	07/18/2024	Lithium, total	0.0490	mg/L
AW-10	Compliance	E006	07/18/2024	Mercury, total	0.00014 U	mg/L
AW-10	Compliance	E006	07/18/2024	Molybdenum, total	0.00130	mg/L
AW-10	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-117	mV
AW-10	Compliance	E006	07/18/2024	pH (field)	7.2	SU
AW-10	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	2.43	pCi/L
AW-10	Compliance	E006	07/18/2024	Selenium, total	0.00074 U	mg/L
AW-10	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	2,013	micromhos/cm
AW-10	Compliance	E006	07/18/2024	Sulfate, total	0.18 U	mg/L
AW-10	Compliance	E006	07/18/2024	Temperature	21.4	degrees C
AW-10	Compliance	E006	07/18/2024	Thallium, total	0.00038 U	mg/L
AW-10	Compliance	E006	07/18/2024	Total Dissolved Solids	1,200	mg/L
AW-10	Compliance	E006	07/18/2024	Turbidity, field	112	NTU
AW-11	Compliance	E006	07/17/2024	Antimony, total	0.00043 U	mg/L
AW-11	Compliance	E006	07/17/2024	Arsenic, total	0.0100	mg/L
AW-11	Compliance	E006	07/17/2024	Barium, total	0.850	mg/L
AW-11	Compliance	E006	07/17/2024	Beryllium, total	0.00059 U	mg/L
AW-11	Compliance	E006	07/17/2024	Boron, total	0.230	mg/L
AW-11	Compliance	E006	07/17/2024	Cadmium, total	0.00074 U	mg/L
AW-11	Compliance	E006	07/17/2024	Calcium, total	150	mg/L
AW-11	Compliance	E006	07/17/2024	Chloride, total	33.0	mg/L
AW-11	Compliance	E006	07/17/2024	Chromium, total	0.0028 U	mg/L
AW-11	Compliance	E006	07/17/2024	Cobalt, total	0.0016 J	mg/L
AW-11	Compliance	E006	07/17/2024	Dissolved Oxygen	12.0	mg/L
AW-11	Compliance	E006	07/17/2024	Fluoride, total	0.25 UJ	mg/L
AW-11	Compliance	E006	07/17/2024	Lead, total	0.00059 J	mg/L
AW-11	Compliance	E006	07/17/2024	Lithium, total	0.019 J	mg/L
AW-11	Compliance	E006	07/17/2024	Mercury, total	0.00014 U	mg/L
AW-11	Compliance	E006	07/17/2024	Molybdenum, total	0.00150	mg/L
AW-11	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-139	mV
AW-11	Compliance	E006	07/17/2024	pH (field)	7.2	SU
AW-11	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	2.43	pCi/L
AW-11	Compliance	E006	07/17/2024	Selenium, total	0.00074 U	mg/L
AW-11	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	1,740	micromhos/cm
AW-11	Compliance	E006	07/17/2024	Sulfate, total	0.18 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-11	Compliance	E006	07/17/2024	Temperature	20.0	degrees C
AW-11	Compliance	E006	07/17/2024	Thallium, total	0.00038 U	mg/L
AW-11	Compliance	E006	07/17/2024	Total Dissolved Solids	1,000	mg/L
AW-11	Compliance	E006	07/17/2024	Turbidity, field	114	NTU
AW-14	Compliance	E006	07/17/2024	Antimony, total	0.00043 U	mg/L
AW-14	Compliance	E006	07/17/2024	Arsenic, total	0.00260	mg/L
AW-14	Compliance	E006	07/17/2024	Barium, total	0.810	mg/L
AW-14	Compliance	E006	07/17/2024	Beryllium, total	0.00059 U	mg/L
AW-14	Compliance	E006	07/17/2024	Boron, total	0.200 J+	mg/L
AW-14	Compliance	E006	07/17/2024	Cadmium, total	0.00074 U	mg/L
AW-14	Compliance	E006	07/17/2024	Calcium, total	170	mg/L
AW-14	Compliance	E006	07/17/2024	Chloride, total	24.0	mg/L
AW-14	Compliance	E006	07/17/2024	Chromium, total	0.0028 U	mg/L
AW-14	Compliance	E006	07/17/2024	Cobalt, total	0.0017 J	mg/L
AW-14	Compliance	E006	07/17/2024	Dissolved Oxygen	1.10	mg/L
AW-14	Compliance	E006	07/17/2024	Fluoride, total	0.25 UJ	mg/L
AW-14	Compliance	E006	07/17/2024	Lead, total	0.00027 J	mg/L
AW-14	Compliance	E006	07/17/2024	Lithium, total	0.016 J	mg/L
AW-14	Compliance	E006	07/17/2024	Mercury, total	0.000210	mg/L
AW-14	Compliance	E006	07/17/2024	Molybdenum, total	0.00074 U	mg/L
AW-14	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-146	mV
AW-14	Compliance	E006	07/17/2024	pH (field)	7.0	SU
AW-14	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	2.53	pCi/L
AW-14	Compliance	E006	07/17/2024	Selenium, total	0.00074 U	mg/L
AW-14	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	1,730	micromhos/cm
AW-14	Compliance	E006	07/17/2024	Sulfate, total	4.10	mg/L
AW-14	Compliance	E006	07/17/2024	Temperature	19.2	degrees C
AW-14	Compliance	E006	07/17/2024	Thallium, total	0.00038 U	mg/L
AW-14	Compliance	E006	07/17/2024	Total Dissolved Solids	1,000	mg/L
AW-14	Compliance	E006	07/17/2024	Turbidity, field	72.7	NTU
AW-15	Compliance	E006	07/17/2024	Antimony, total	0.00043 U	mg/L
AW-15	Compliance	E006	07/17/2024	Arsenic, total	0.00140	mg/L
AW-15	Compliance	E006	07/17/2024	Barium, total	1.70	mg/L
AW-15	Compliance	E006	07/17/2024	Beryllium, total	0.00059 U	mg/L
AW-15	Compliance	E006	07/17/2024	Boron, total	0.350	mg/L
AW-15	Compliance	E006	07/17/2024	Cadmium, total	0.00074 U	mg/L
AW-15	Compliance	E006	07/17/2024	Calcium, total	140	mg/L
AW-15	Compliance	E006	07/17/2024	Chloride, total	33.0	mg/L
AW-15	Compliance	E006	07/17/2024	Chromium, total	0.0028 U	mg/L
AW-15	Compliance	E006	07/17/2024	Cobalt, total	0.0016 J	mg/L
AW-15	Compliance	E006	07/17/2024	Dissolved Oxygen	1.80	mg/L
AW-15	Compliance	E006	07/17/2024	Fluoride, total	0.25 UJ	mg/L
AW-15	Compliance	E006	07/17/2024	Lead, total	0.00022 U	mg/L
AW-15	Compliance	E006	07/17/2024	Lithium, total	0.0280	mg/L
AW-15	Compliance	E006	07/17/2024	Mercury, total	0.00014 U	mg/L
AW-15	Compliance	E006	07/17/2024	Molybdenum, total	0.00074 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-15	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-116	mV
AW-15	Compliance	E006	07/17/2024	pH (field)	7.0	SU
AW-15	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	4.39	pCi/L
AW-15	Compliance	E006	07/17/2024	Selenium, total	0.00074 U	mg/L
AW-15	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	1,850	micromhos/cm
AW-15	Compliance	E006	07/17/2024	Sulfate, total	0.24 J	mg/L
AW-15	Compliance	E006	07/17/2024	Temperature	17.9	degrees C
AW-15	Compliance	E006	07/17/2024	Thallium, total	0.00038 U	mg/L
AW-15	Compliance	E006	07/17/2024	Total Dissolved Solids	1,100	mg/L
AW-15	Compliance	E006	07/17/2024	Turbidity, field	104	NTU
AW-15S	Compliance	E006	07/17/2024	Antimony, total	0.00043 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Arsenic, total	0.00069 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Barium, total	0.0780	mg/L
AW-15S	Compliance	E006	07/17/2024	Beryllium, total	0.0012 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Boron, total	5.60	mg/L
AW-15S	Compliance	E006	07/17/2024	Cadmium, total	0.00074 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Calcium, total	260	mg/L
AW-15S	Compliance	E006	07/17/2024	Chloride, total	30.0	mg/L
AW-15S	Compliance	E006	07/17/2024	Chromium, total	0.0028 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Cobalt, total	0.00048 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Dissolved Oxygen	1.90	mg/L
AW-15S	Compliance	E006	07/17/2024	Fluoride, total	0.257	mg/L
AW-15S	Compliance	E006	07/17/2024	Lead, total	0.00022 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Lithium, total	0.013 J	mg/L
AW-15S	Compliance	E006	07/17/2024	Mercury, total	0.00014 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Molybdenum, total	0.00250	mg/L
AW-15S	Compliance	E006	07/17/2024	Oxidation Reduction Potential	33.0	mV
AW-15S	Compliance	E006	07/17/2024	pH (field)	7.1	SU
AW-15S	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.790	pCi/L
AW-15S	Compliance	E006	07/17/2024	Selenium, total	0.00074 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	1,068	micromhos/cm
AW-15S	Compliance	E006	07/17/2024	Sulfate, total	540	mg/L
AW-15S	Compliance	E006	07/17/2024	Temperature	22.6	degrees C
AW-15S	Compliance	E006	07/17/2024	Thallium, total	0.00038 U	mg/L
AW-15S	Compliance	E006	07/17/2024	Total Dissolved Solids	1,300	mg/L
AW-15S	Compliance	E006	07/17/2024	Turbidity, field	18.4	NTU
AW-16	Compliance	E006	07/16/2024	Antimony, total	0.00043 U	mg/L
AW-16	Compliance	E006	07/16/2024	Arsenic, total	0.00120	mg/L
AW-16	Compliance	E006	07/16/2024	Barium, total	1.10	mg/L
AW-16	Compliance	E006	07/16/2024	Beryllium, total	0.00059 U	mg/L
AW-16	Compliance	E006	07/16/2024	Boron, total	0.410	mg/L
AW-16	Compliance	E006	07/16/2024	Cadmium, total	0.00074 U	mg/L
AW-16	Compliance	E006	07/16/2024	Calcium, total	140	mg/L
AW-16	Compliance	E006	07/16/2024	Chloride, total	47.0	mg/L
AW-16	Compliance	E006	07/16/2024	Chromium, total	0.0028 U	mg/L
AW-16	Compliance	E006	07/16/2024	Cobalt, total	0.0015 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-16	Compliance	E006	07/16/2024	Dissolved Oxygen	0.180	mg/L
AW-16	Compliance	E006	07/16/2024	Fluoride, total	0.25 UJ	mg/L
AW-16	Compliance	E006	07/16/2024	Lead, total	0.00022 U	mg/L
AW-16	Compliance	E006	07/16/2024	Lithium, total	0.0300	mg/L
AW-16	Compliance	E006	07/16/2024	Mercury, total	0.00014 U	mg/L
AW-16	Compliance	E006	07/16/2024	Molybdenum, total	0.00074 U	mg/L
AW-16	Compliance	E006	07/16/2024	Oxidation Reduction Potential	-96.0	mV
AW-16	Compliance	E006	07/16/2024	pH (field)	6.7	SU
AW-16	Compliance	E006	07/16/2024	Radium 226 + Radium 228, total	5.85	pCi/L
AW-16	Compliance	E006	07/16/2024	Selenium, total	0.00074 U	mg/L
AW-16	Compliance	E006	07/16/2024	Specific Conductance @ 25C (field)	2,400	micromhos/cm
AW-16	Compliance	E006	07/16/2024	Sulfate, total	0.33 J	mg/L
AW-16	Compliance	E006	07/16/2024	Temperature	18.8	degrees C
AW-16	Compliance	E006	07/16/2024	Thallium, total	0.00038 U	mg/L
AW-16	Compliance	E006	07/16/2024	Total Dissolved Solids	1,200	mg/L
AW-16	Compliance	E006	07/16/2024	Turbidity, field	0 U	NTU
AW-17	Compliance	E006	07/16/2024	Antimony, total	0.00043 U	mg/L
AW-17	Compliance	E006	07/16/2024	Arsenic, total	0.00350	mg/L
AW-17	Compliance	E006	07/16/2024	Barium, total	1.00	mg/L
AW-17	Compliance	E006	07/16/2024	Beryllium, total	0.00059 U	mg/L
AW-17	Compliance	E006	07/16/2024	Boron, total	0.400	mg/L
AW-17	Compliance	E006	07/16/2024	Cadmium, total	0.00074 U	mg/L
AW-17	Compliance	E006	07/16/2024	Calcium, total	100	mg/L
AW-17	Compliance	E006	07/16/2024	Chloride, total	50.0	mg/L
AW-17	Compliance	E006	07/16/2024	Chromium, total	0.0028 U	mg/L
AW-17	Compliance	E006	07/16/2024	Cobalt, total	0.0018 J	mg/L
AW-17	Compliance	E006	07/16/2024	Dissolved Oxygen	6.50	mg/L
AW-17	Compliance	E006	07/16/2024	Fluoride, total	0.25 UJ	mg/L
AW-17	Compliance	E006	07/16/2024	Lead, total	0.00022 J	mg/L
AW-17	Compliance	E006	07/16/2024	Lithium, total	0.0330	mg/L
AW-17	Compliance	E006	07/16/2024	Mercury, total	0.00014 U	mg/L
AW-17	Compliance	E006	07/16/2024	Molybdenum, total	0.00074 U	mg/L
AW-17	Compliance	E006	07/16/2024	Oxidation Reduction Potential	-127	mV
AW-17	Compliance	E006	07/16/2024	pH (field)	6.8	SU
AW-17	Compliance	E006	07/16/2024	Radium 226 + Radium 228, total	4.48	pCi/L
AW-17	Compliance	E006	07/16/2024	Selenium, total	0.00074 U	mg/L
AW-17	Compliance	E006	07/16/2024	Specific Conductance @ 25C (field)	2,100	micromhos/cm
AW-17	Compliance	E006	07/16/2024	Sulfate, total	0.18 U	mg/L
AW-17	Compliance	E006	07/16/2024	Temperature	18.4	degrees C
AW-17	Compliance	E006	07/16/2024	Thallium, total	0.00038 U	mg/L
AW-17	Compliance	E006	07/16/2024	Total Dissolved Solids	940	mg/L
AW-17	Compliance	E006	07/16/2024	Turbidity, field	0 U	NTU
AW-18	Compliance	E006	07/16/2024	Antimony, total	0.00043 U	mg/L
AW-18	Compliance	E006	07/16/2024	Arsenic, total	0.00410	mg/L
AW-18	Compliance	E006	07/16/2024	Barium, total	1.50	mg/L
AW-18	Compliance	E006	07/16/2024	Beryllium, total	0.00059 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-18	Compliance	E006	07/16/2024	Boron, total	0.430	mg/L
AW-18	Compliance	E006	07/16/2024	Cadmium, total	0.00074 U	mg/L
AW-18	Compliance	E006	07/16/2024	Calcium, total	120	mg/L
AW-18	Compliance	E006	07/16/2024	Chloride, total	87.0	mg/L
AW-18	Compliance	E006	07/16/2024	Chromium, total	0.0028 U	mg/L
AW-18	Compliance	E006	07/16/2024	Cobalt, total	0.00092 J	mg/L
AW-18	Compliance	E006	07/16/2024	Dissolved Oxygen	0	mg/L
AW-18	Compliance	E006	07/16/2024	Fluoride, total	0.25 UJ	mg/L
AW-18	Compliance	E006	07/16/2024	Lead, total	0.00063 J	mg/L
AW-18	Compliance	E006	07/16/2024	Lithium, total	0.017 J	mg/L
AW-18	Compliance	E006	07/16/2024	Mercury, total	0.00014 U	mg/L
AW-18	Compliance	E006	07/16/2024	Molybdenum, total	0.00130	mg/L
AW-18	Compliance	E006	07/16/2024	Oxidation Reduction Potential	-155	mV
AW-18	Compliance	E006	07/16/2024	pH (field)	6.9	SU
AW-18	Compliance	E006	07/16/2024	Radium 226 + Radium 228, total	2.87	pCi/L
AW-18	Compliance	E006	07/16/2024	Selenium, total	0.00074 U	mg/L
AW-18	Compliance	E006	07/16/2024	Specific Conductance @ 25C (field)	1,640	micromhos/cm
AW-18	Compliance	E006	07/16/2024	Sulfate, total	7.60	mg/L
AW-18	Compliance	E006	07/16/2024	Temperature	17.0	degrees C
AW-18	Compliance	E006	07/16/2024	Thallium, total	0.00038 U	mg/L
AW-18	Compliance	E006	07/16/2024	Total Dissolved Solids	920	mg/L
AW-18	Compliance	E006	07/16/2024	Turbidity, field	56.7	NTU
AW-19	Compliance	E006	07/15/2024	Antimony, total	0.00043 U	mg/L
AW-19	Compliance	E006	07/15/2024	Arsenic, total	0.0130	mg/L
AW-19	Compliance	E006	07/15/2024	Barium, total	0.210	mg/L
AW-19	Compliance	E006	07/15/2024	Beryllium, total	0.00059 U	mg/L
AW-19	Compliance	E006	07/15/2024	Boron, total	3.10	mg/L
AW-19	Compliance	E006	07/15/2024	Cadmium, total	0.00074 U	mg/L
AW-19	Compliance	E006	07/15/2024	Calcium, total	120	mg/L
AW-19	Compliance	E006	07/15/2024	Chloride, total	75.0	mg/L
AW-19	Compliance	E006	07/15/2024	Chromium, total	0.0028 U	mg/L
AW-19	Compliance	E006	07/15/2024	Cobalt, total	0.0011 J	mg/L
AW-19	Compliance	E006	07/15/2024	Dissolved Oxygen	2.90	mg/L
AW-19	Compliance	E006	07/15/2024	Fluoride, total	0.246 J	mg/L
AW-19	Compliance	E006	07/15/2024	Lead, total	0.00084 J	mg/L
AW-19	Compliance	E006	07/15/2024	Lithium, total	0.011 J	mg/L
AW-19	Compliance	E006	07/15/2024	Mercury, total	0.00014 U	mg/L
AW-19	Compliance	E006	07/15/2024	Molybdenum, total	0.00400	mg/L
AW-19	Compliance	E006	07/15/2024	Oxidation Reduction Potential	-55.0	mV
AW-19	Compliance	E006	07/15/2024	pH (field)	7.2	SU
AW-19	Compliance	E006	07/15/2024	Radium 226 + Radium 228, total	2.63	pCi/L
AW-19	Compliance	E006	07/15/2024	Selenium, total	0.00074 U	mg/L
AW-19	Compliance	E006	07/15/2024	Specific Conductance @ 25C (field)	1,110	micromhos/cm
AW-19	Compliance	E006	07/15/2024	Sulfate, total	54.0	mg/L
AW-19	Compliance	E006	07/15/2024	Temperature	23.8	degrees C
AW-19	Compliance	E006	07/15/2024	Thallium, total	0.00038 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-19	Compliance	E006	07/15/2024	Total Dissolved Solids	640	mg/L
AW-19	Compliance	E006	07/15/2024	Turbidity, field	73.5	NTU
AW-21	Compliance	E006	07/15/2024	Antimony, total	0.00073 J	mg/L
AW-21	Compliance	E006	07/15/2024	Arsenic, total	0.00130	mg/L
AW-21	Compliance	E006	07/15/2024	Barium, total	0.0590	mg/L
AW-21	Compliance	E006	07/15/2024	Beryllium, total	0.00059 U	mg/L
AW-21	Compliance	E006	07/15/2024	Boron, total	10.0	mg/L
AW-21	Compliance	E006	07/15/2024	Cadmium, total	0.00074 U	mg/L
AW-21	Compliance	E006	07/15/2024	Calcium, total	120	mg/L
AW-21	Compliance	E006	07/15/2024	Chloride, total	77.0	mg/L
AW-21	Compliance	E006	07/15/2024	Chromium, total	0.0028 U	mg/L
AW-21	Compliance	E006	07/15/2024	Cobalt, total	0.00049 J	mg/L
AW-21	Compliance	E006	07/15/2024	Dissolved Oxygen	10.0	mg/L
AW-21	Compliance	E006	07/15/2024	Fluoride, total	0.319	mg/L
AW-21	Compliance	E006	07/15/2024	Lead, total	0.00022 U	mg/L
AW-21	Compliance	E006	07/15/2024	Lithium, total	0.005 U	mg/L
AW-21	Compliance	E006	07/15/2024	Mercury, total	0.00014 U	mg/L
AW-21	Compliance	E006	07/15/2024	Molybdenum, total	0.0130	mg/L
AW-21	Compliance	E006	07/15/2024	Oxidation Reduction Potential	197	mV
AW-21	Compliance	E006	07/15/2024	pH (field)	7.3	SU
AW-21	Compliance	E006	07/15/2024	Radium 226 + Radium 228, total	1.37	pCi/L
AW-21	Compliance	E006	07/15/2024	Selenium, total	0.00074 U	mg/L
AW-21	Compliance	E006	07/15/2024	Specific Conductance @ 25C (field)	865	micromhos/cm
AW-21	Compliance	E006	07/15/2024	Sulfate, total	230	mg/L
AW-21	Compliance	E006	07/15/2024	Temperature	21.4	degrees C
AW-21	Compliance	E006	07/15/2024	Thallium, total	0.00038 U	mg/L
AW-21	Compliance	E006	07/15/2024	Total Dissolved Solids	720	mg/L
AW-21	Compliance	E006	07/15/2024	Turbidity, field	14.5	NTU

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.
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
PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
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 4, 2024
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AP05S	Background	E007	10/31/2024	Antimony, total	0.00043 U	mg/L
AP05S	Background	E007	10/31/2024	Arsenic, total	0.00096 J	mg/L
AP05S	Background	E007	10/31/2024	Barium, total	1.00	mg/L
AP05S	Background	E007	10/31/2024	Beryllium, total	0.00059 U	mg/L
AP05S	Background	E007	10/31/2024	Boron, total	0.350	mg/L
AP05S	Background	E007	10/31/2024	Cadmium, total	0.00074 U	mg/L
AP05S	Background	E007	10/31/2024	Calcium, total	100	mg/L
AP05S	Background	E007	10/31/2024	Chloride, total	48.0	mg/L
AP05S	Background	E007	10/31/2024	Chromium, total	0.0028 U	mg/L
AP05S	Background	E007	10/31/2024	Cobalt, total	0.0011 J	mg/L
AP05S	Background	E007	10/31/2024	Dissolved Oxygen	0	mg/L
AP05S	Background	E007	10/31/2024	Fluoride, total	0.2 U	mg/L
AP05S	Background	E007	10/31/2024	Lead, total	0.00022 U	mg/L
AP05S	Background	E007	10/31/2024	Lithium, total	0.0360	mg/L
AP05S	Background	E007	10/31/2024	Mercury, total	0.00018 J	mg/L
AP05S	Background	E007	10/31/2024	Molybdenum, total	0.00074 U	mg/L
AP05S	Background	E007	10/31/2024	Oxidation Reduction Potential	-89.0	mV
AP05S	Background	E007	10/31/2024	pH (field)	6.2	SU
AP05S	Background	E007	10/31/2024	Radium 226 + Radium 228, total	3.09	pCi/L
AP05S	Background	E007	10/31/2024	Selenium, total	0.00074 U	mg/L
AP05S	Background	E007	10/31/2024	Specific Conductance @ 25C (field)	1,240	micromhos/cm
AP05S	Background	E007	10/31/2024	Sulfate, total	0.44 J	mg/L
AP05S	Background	E007	10/31/2024	Temperature	15.7	degrees C
AP05S	Background	E007	10/31/2024	Thallium, total	0.00038 U	mg/L
AP05S	Background	E007	10/31/2024	Total Dissolved Solids	820	mg/L
AP05S	Background	E007	10/31/2024	Turbidity, field	16.3	NTU
AW-08	Background	E007	10/30/2024	Antimony, total	0.00043 U	mg/L
AW-08	Background	E007	10/30/2024	Arsenic, total	0.0140	mg/L
AW-08	Background	E007	10/30/2024	Barium, total	0.360	mg/L
AW-08	Background	E007	10/30/2024	Beryllium, total	0.00059 U	mg/L
AW-08	Background	E007	10/30/2024	Boron, total	0.140	mg/L
AW-08	Background	E007	10/30/2024	Cadmium, total	0.00074 U	mg/L
AW-08	Background	E007	10/30/2024	Calcium, total	140	mg/L
AW-08	Background	E007	10/31/2024	Chloride, total	19.0	mg/L
AW-08	Background	E007	10/30/2024	Chromium, total	0.0028 U	mg/L
AW-08	Background	E007	10/30/2024	Cobalt, total	0.00048 U	mg/L
AW-08	Background	E007	10/30/2024	Dissolved Oxygen	1.50	mg/L
AW-08	Background	E007	10/31/2024	Fluoride, total	0.207 J	mg/L
AW-08	Background	E007	10/30/2024	Lead, total	0.00022 U	mg/L
AW-08	Background	E007	10/30/2024	Lithium, total	0.013 J	mg/L
AW-08	Background	E007	10/30/2024	Mercury, total	0.00014 U	mg/L
AW-08	Background	E007	10/30/2024	Molybdenum, total	0.00110	mg/L
AW-08	Background	E007	10/30/2024	Oxidation Reduction Potential	-151	mV
AW-08	Background	E007	10/30/2024	pH (field)	6.9	SU
AW-08	Background	E007	10/30/2024	Radium 226 + Radium 228, total	0.863	pCi/L
AW-08	Background	E007	10/30/2024	Selenium, total	0.00074 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-08	Background	E007	10/30/2024	Specific Conductance @ 25C (field)	1,468	micromhos/cm
AW-08	Background	E007	10/31/2024	Sulfate, total	0.13 U	mg/L
AW-08	Background	E007	10/30/2024	Temperature	20.6	degrees C
AW-08	Background	E007	10/30/2024	Thallium, total	0.00038 U	mg/L
AW-08	Background	E007	10/31/2024	Total Dissolved Solids	700	mg/L
AW-08	Background	E007	10/30/2024	Turbidity, field	0.130	NTU
AP07S	Compliance	E007	10/31/2024	Antimony, total	0.00043 U	mg/L
AP07S	Compliance	E007	10/31/2024	Arsenic, total	0.00069 U	mg/L
AP07S	Compliance	E007	10/31/2024	Barium, total	0.0400	mg/L
AP07S	Compliance	E007	10/31/2024	Beryllium, total	0.00059 U	mg/L
AP07S	Compliance	E007	10/31/2024	Boron, total	9.90	mg/L
AP07S	Compliance	E007	10/31/2024	Cadmium, total	0.00074 U	mg/L
AP07S	Compliance	E007	10/31/2024	Calcium, total	130	mg/L
AP07S	Compliance	E007	10/31/2024	Chloride, total	80.0	mg/L
AP07S	Compliance	E007	10/31/2024	Chromium, total	0.0028 U	mg/L
AP07S	Compliance	E007	10/31/2024	Cobalt, total	0.00240	mg/L
AP07S	Compliance	E007	10/31/2024	Dissolved Oxygen	1.60	mg/L
AP07S	Compliance	E007	10/31/2024	Fluoride, total	0.246 J	mg/L
AP07S	Compliance	E007	10/31/2024	Lead, total	0.00022 U	mg/L
AP07S	Compliance	E007	10/31/2024	Lithium, total	0.0066 J	mg/L
AP07S	Compliance	E007	10/31/2024	Mercury, total	0.00014 U	mg/L
AP07S	Compliance	E007	10/31/2024	Molybdenum, total	0.00079 J	mg/L
AP07S	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-59.0	mV
AP07S	Compliance	E007	10/31/2024	pH (field)	7.0	SU
AP07S	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.796	pCi/L
AP07S	Compliance	E007	10/31/2024	Selenium, total	0.00074 U	mg/L
AP07S	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,790	micromhos/cm
AP07S	Compliance	E007	10/31/2024	Sulfate, total	220	mg/L
AP07S	Compliance	E007	10/31/2024	Temperature	17.3	degrees C
AP07S	Compliance	E007	10/31/2024	Thallium, total	0.00038 U	mg/L
AP07S	Compliance	E007	10/31/2024	Total Dissolved Solids	740	mg/L
AP07S	Compliance	E007	10/31/2024	Turbidity, field	0 U	NTU
AW-01	Compliance	E007	10/30/2024	Antimony, total	0.00043 U	mg/L
AW-01	Compliance	E007	10/30/2024	Arsenic, total	0.00500	mg/L
AW-01	Compliance	E007	10/30/2024	Barium, total	0.100	mg/L
AW-01	Compliance	E007	10/30/2024	Beryllium, total	0.00059 U	mg/L
AW-01	Compliance	E007	10/30/2024	Boron, total	0.0710	mg/L
AW-01	Compliance	E007	10/30/2024	Cadmium, total	0.00074 U	mg/L
AW-01	Compliance	E007	10/30/2024	Calcium, total	180	mg/L
AW-01	Compliance	E007	10/30/2024	Chloride, total	7.40	mg/L
AW-01	Compliance	E007	10/30/2024	Chromium, total	0.0028 U	mg/L
AW-01	Compliance	E007	10/30/2024	Cobalt, total	0.00330	mg/L
AW-01	Compliance	E007	10/30/2024	Dissolved Oxygen	0.430	mg/L
AW-01	Compliance	E007	10/30/2024	Fluoride, total	0.19 J	mg/L
AW-01	Compliance	E007	10/30/2024	Lead, total	0.00022 U	mg/L
AW-01	Compliance	E007	10/30/2024	Lithium, total	0.005 J	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-01	Compliance	E007	10/30/2024	Mercury, total	0.00014 U	mg/L
AW-01	Compliance	E007	10/30/2024	Molybdenum, total	0.00280	mg/L
AW-01	Compliance	E007	10/30/2024	Oxidation Reduction Potential	-98.8	mV
AW-01	Compliance	E007	10/30/2024	pH (field)	6.8	SU
AW-01	Compliance	E007	10/30/2024	Radium 226 + Radium 228, total	0.359	pCi/L
AW-01	Compliance	E007	10/30/2024	Selenium, total	0.00074 U	mg/L
AW-01	Compliance	E007	10/30/2024	Specific Conductance @ 25C (field)	1,431	micromhos/cm
AW-01	Compliance	E007	10/30/2024	Sulfate, total	47.0	mg/L
AW-01	Compliance	E007	10/30/2024	Temperature	20.7	degrees C
AW-01	Compliance	E007	10/30/2024	Thallium, total	0.00038 U	mg/L
AW-01	Compliance	E007	10/30/2024	Total Dissolved Solids	760 J	mg/L
AW-01	Compliance	E007	10/30/2024	Turbidity, field	23.1	NTU
AW-05	Compliance	E007	10/31/2024	Antimony, total	0.00043 U	mg/L
AW-05	Compliance	E007	10/31/2024	Arsenic, total	0.00240	mg/L
AW-05	Compliance	E007	10/31/2024	Barium, total	0.0830	mg/L
AW-05	Compliance	E007	10/31/2024	Beryllium, total	0.00059 U	mg/L
AW-05	Compliance	E007	10/31/2024	Boron, total	12.0	mg/L
AW-05	Compliance	E007	10/31/2024	Cadmium, total	0.00074 U	mg/L
AW-05	Compliance	E007	10/31/2024	Calcium, total	190	mg/L
AW-05	Compliance	E007	10/31/2024	Chloride, total	91.0	mg/L
AW-05	Compliance	E007	10/31/2024	Chromium, total	0.0028 U	mg/L
AW-05	Compliance	E007	10/31/2024	Cobalt, total	0.0012 J	mg/L
AW-05	Compliance	E007	10/31/2024	Dissolved Oxygen	0	mg/L
AW-05	Compliance	E007	10/31/2024	Fluoride, total	0.2 U	mg/L
AW-05	Compliance	E007	10/31/2024	Lead, total	0.00022 U	mg/L
AW-05	Compliance	E007	10/31/2024	Lithium, total	0.013 J	mg/L
AW-05	Compliance	E007	10/31/2024	Mercury, total	0.00016 J	mg/L
AW-05	Compliance	E007	10/31/2024	Molybdenum, total	0.00190	mg/L
AW-05	Compliance	E007	10/31/2024	Oxidation Reduction Potential	60.0	mV
AW-05	Compliance	E007	10/31/2024	pH (field)	7.3	SU
AW-05	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.619	pCi/L
AW-05	Compliance	E007	10/31/2024	Selenium, total	0.00074 U	mg/L
AW-05	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,360	micromhos/cm
AW-05	Compliance	E007	10/31/2024	Sulfate, total	520	mg/L
AW-05	Compliance	E007	10/31/2024	Temperature	16.4	degrees C
AW-05	Compliance	E007	10/31/2024	Thallium, total	0.00038 U	mg/L
AW-05	Compliance	E007	10/31/2024	Total Dissolved Solids	1,100	mg/L
AW-05	Compliance	E007	10/31/2024	Turbidity, field	240	NTU
AW-06	Compliance	E007	10/29/2024	Antimony, total	0.00043 U	mg/L
AW-06	Compliance	E007	10/29/2024	Arsenic, total	0.00440 J	mg/L
AW-06	Compliance	E007	10/29/2024	Barium, total	0.170	mg/L
AW-06	Compliance	E007	10/29/2024	Beryllium, total	0.00059 U	mg/L
AW-06	Compliance	E007	10/29/2024	Boron, total	0.0980	mg/L
AW-06	Compliance	E007	10/29/2024	Cadmium, total	0.00074 U	mg/L
AW-06	Compliance	E007	10/29/2024	Calcium, total	120	mg/L
AW-06	Compliance	E007	10/29/2024	Chloride, total	37.0	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-06	Compliance	E007	10/29/2024	Chromium, total	0.0028 U	mg/L
AW-06	Compliance	E007	10/29/2024	Cobalt, total	0.00052 J	mg/L
AW-06	Compliance	E007	10/29/2024	Dissolved Oxygen	0.320	mg/L
AW-06	Compliance	E007	10/29/2024	Fluoride, total	0.324	mg/L
AW-06	Compliance	E007	10/29/2024	Lead, total	0.00022 U	mg/L
AW-06	Compliance	E007	10/29/2024	Lithium, total	0.012 J	mg/L
AW-06	Compliance	E007	10/29/2024	Mercury, total	0.00014 U	mg/L
AW-06	Compliance	E007	10/29/2024	Molybdenum, total	0.00830	mg/L
AW-06	Compliance	E007	10/29/2024	Oxidation Reduction Potential	-123	mV
AW-06	Compliance	E007	10/29/2024	pH (field)	7.3	SU
AW-06	Compliance	E007	10/29/2024	Radium 226 + Radium 228, total	0.545	pCi/L
AW-06	Compliance	E007	10/29/2024	Selenium, total	0.00074 U	mg/L
AW-06	Compliance	E007	10/29/2024	Specific Conductance @ 25C (field)	900	micromhos/cm
AW-06	Compliance	E007	10/29/2024	Sulfate, total	22.0	mg/L
AW-06	Compliance	E007	10/29/2024	Temperature	22.1	degrees C
AW-06	Compliance	E007	10/29/2024	Thallium, total	0.00038 U	mg/L
AW-06	Compliance	E007	10/29/2024	Total Dissolved Solids	580	mg/L
AW-06	Compliance	E007	10/29/2024	Turbidity, field	6.80	NTU
AW-09	Compliance	E007	10/30/2024	Antimony, total	0.00043 U	mg/L
AW-09	Compliance	E007	10/30/2024	Arsenic, total	0.0200	mg/L
AW-09	Compliance	E007	10/30/2024	Barium, total	0.380	mg/L
AW-09	Compliance	E007	10/30/2024	Beryllium, total	0.00059 U	mg/L
AW-09	Compliance	E007	10/30/2024	Boron, total	0.290	mg/L
AW-09	Compliance	E007	10/30/2024	Cadmium, total	0.00074 U	mg/L
AW-09	Compliance	E007	10/30/2024	Calcium, total	120	mg/L
AW-09	Compliance	E007	10/30/2024	Chloride, total	26.0	mg/L
AW-09	Compliance	E007	10/30/2024	Chromium, total	0.0038 J	mg/L
AW-09	Compliance	E007	10/30/2024	Cobalt, total	0.00240	mg/L
AW-09	Compliance	E007	10/30/2024	Dissolved Oxygen	6.80	mg/L
AW-09	Compliance	E007	10/30/2024	Fluoride, total	0.2 U	mg/L
AW-09	Compliance	E007	10/30/2024	Lead, total	0.00079 J	mg/L
AW-09	Compliance	E007	10/30/2024	Lithium, total	0.018 J	mg/L
AW-09	Compliance	E007	10/30/2024	Mercury, total	0.00014 U	mg/L
AW-09	Compliance	E007	10/30/2024	Molybdenum, total	0.0180	mg/L
AW-09	Compliance	E007	10/30/2024	Oxidation Reduction Potential	-116	mV
AW-09	Compliance	E007	10/30/2024	pH (field)	6.3	SU
AW-09	Compliance	E007	10/30/2024	Radium 226 + Radium 228, total	1.30	pCi/L
AW-09	Compliance	E007	10/30/2024	Selenium, total	0.00074 U	mg/L
AW-09	Compliance	E007	10/30/2024	Specific Conductance @ 25C (field)	1,500	micromhos/cm
AW-09	Compliance	E007	10/30/2024	Sulfate, total	0.24 J	mg/L
AW-09	Compliance	E007	10/30/2024	Temperature	18.5	degrees C
AW-09	Compliance	E007	10/30/2024	Thallium, total	0.00038 U	mg/L
AW-09	Compliance	E007	10/30/2024	Total Dissolved Solids	770	mg/L
AW-09	Compliance	E007	10/30/2024	Turbidity, field	331	NTU
AW-10	Compliance	E007	10/30/2024	Antimony, total	0.00043 U	mg/L
AW-10	Compliance	E007	10/30/2024	Arsenic, total	0.00820	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-10	Compliance	E007	10/30/2024	Barium, total	0.810	mg/L
AW-10	Compliance	E007	10/30/2024	Beryllium, total	0.00059 U	mg/L
AW-10	Compliance	E007	10/30/2024	Boron, total	0.470	mg/L
AW-10	Compliance	E007	10/30/2024	Cadmium, total	0.00074 U	mg/L
AW-10	Compliance	E007	10/30/2024	Calcium, total	120	mg/L
AW-10	Compliance	E007	10/30/2024	Chloride, total	79.0	mg/L
AW-10	Compliance	E007	10/30/2024	Chromium, total	0.0038 J	mg/L
AW-10	Compliance	E007	10/30/2024	Cobalt, total	0.00300	mg/L
AW-10	Compliance	E007	10/30/2024	Dissolved Oxygen	1.20	mg/L
AW-10	Compliance	E007	10/30/2024	Fluoride, total	0.2 U	mg/L
AW-10	Compliance	E007	10/30/2024	Lead, total	0.00190	mg/L
AW-10	Compliance	E007	10/30/2024	Lithium, total	0.0380	mg/L
AW-10	Compliance	E007	10/30/2024	Mercury, total	0.00014 U	mg/L
AW-10	Compliance	E007	10/30/2024	Molybdenum, total	0.00140	mg/L
AW-10	Compliance	E007	10/30/2024	Oxidation Reduction Potential	-134	mV
AW-10	Compliance	E007	10/30/2024	pH (field)	7.0	SU
AW-10	Compliance	E007	10/30/2024	Radium 226 + Radium 228, total	1.75	pCi/L
AW-10	Compliance	E007	10/30/2024	Selenium, total	0.00074 U	mg/L
AW-10	Compliance	E007	10/30/2024	Specific Conductance @ 25C (field)	2,116	micromhos/cm
AW-10	Compliance	E007	10/30/2024	Sulfate, total	0.22 J	mg/L
AW-10	Compliance	E007	10/30/2024	Temperature	17.3	degrees C
AW-10	Compliance	E007	10/30/2024	Thallium, total	0.00038 U	mg/L
AW-10	Compliance	E007	10/30/2024	Total Dissolved Solids	1,100	mg/L
AW-10	Compliance	E007	10/30/2024	Turbidity, field	75.0	NTU
AW-11	Compliance	E007	10/29/2024	Antimony, total	0.00043 U	mg/L
AW-11	Compliance	E007	10/29/2024	Arsenic, total	0.00910	mg/L
AW-11	Compliance	E007	10/29/2024	Barium, total	1.00	mg/L
AW-11	Compliance	E007	10/29/2024	Beryllium, total	0.00059 U	mg/L
AW-11	Compliance	E007	10/29/2024	Boron, total	0.240	mg/L
AW-11	Compliance	E007	10/29/2024	Cadmium, total	0.00074 U	mg/L
AW-11	Compliance	E007	10/29/2024	Calcium, total	150	mg/L
AW-11	Compliance	E007	10/29/2024	Chloride, total	36.0	mg/L
AW-11	Compliance	E007	10/29/2024	Chromium, total	0.0028 U	mg/L
AW-11	Compliance	E007	10/29/2024	Cobalt, total	0.0013 J	mg/L
AW-11	Compliance	E007	10/29/2024	Dissolved Oxygen	0.260	mg/L
AW-11	Compliance	E007	10/29/2024	Fluoride, total	0.172 U	mg/L
AW-11	Compliance	E007	10/29/2024	Lead, total	0.00029 J	mg/L
AW-11	Compliance	E007	10/29/2024	Lithium, total	0.0210	mg/L
AW-11	Compliance	E007	10/29/2024	Mercury, total	0.00015 J	mg/L
AW-11	Compliance	E007	10/29/2024	Molybdenum, total	0.00074 U	mg/L
AW-11	Compliance	E007	10/29/2024	Oxidation Reduction Potential	-204	mV
AW-11	Compliance	E007	10/29/2024	pH (field)	7.0	SU
AW-11	Compliance	E007	10/29/2024	Radium 226 + Radium 228, total	1.62	pCi/L
AW-11	Compliance	E007	10/29/2024	Selenium, total	0.00074 U	mg/L
AW-11	Compliance	E007	10/29/2024	Specific Conductance @ 25C (field)	1,910	micromhos/cm
AW-11	Compliance	E007	10/29/2024	Sulfate, total	0.13 U	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-11	Compliance	E007	10/29/2024	Temperature	21.4	degrees C
AW-11	Compliance	E007	10/29/2024	Thallium, total	0.00038 U	mg/L
AW-11	Compliance	E007	10/29/2024	Total Dissolved Solids	990	mg/L
AW-11	Compliance	E007	10/29/2024	Turbidity, field	1,000	NTU
AW-14	Compliance	E007	10/29/2024	Antimony, total	0.00043 U	mg/L
AW-14	Compliance	E007	10/29/2024	Arsenic, total	0.00260	mg/L
AW-14	Compliance	E007	10/29/2024	Barium, total	0.700	mg/L
AW-14	Compliance	E007	10/29/2024	Beryllium, total	0.00059 U	mg/L
AW-14	Compliance	E007	10/29/2024	Boron, total	0.190	mg/L
AW-14	Compliance	E007	10/29/2024	Cadmium, total	0.00074 U	mg/L
AW-14	Compliance	E007	10/29/2024	Calcium, total	170	mg/L
AW-14	Compliance	E007	10/29/2024	Chloride, total	26.0	mg/L
AW-14	Compliance	E007	10/29/2024	Chromium, total	0.0028 U	mg/L
AW-14	Compliance	E007	10/29/2024	Cobalt, total	0.0018 J	mg/L
AW-14	Compliance	E007	10/29/2024	Dissolved Oxygen	0.390	mg/L
AW-14	Compliance	E007	10/29/2024	Fluoride, total	0.695	mg/L
AW-14	Compliance	E007	10/29/2024	Lead, total	0.00043 J	mg/L
AW-14	Compliance	E007	10/29/2024	Lithium, total	0.018 J	mg/L
AW-14	Compliance	E007	10/29/2024	Mercury, total	0.00019 J	mg/L
AW-14	Compliance	E007	10/29/2024	Molybdenum, total	0.00074 U	mg/L
AW-14	Compliance	E007	10/29/2024	Oxidation Reduction Potential	-171	mV
AW-14	Compliance	E007	10/29/2024	pH (field)	6.9	SU
AW-14	Compliance	E007	10/29/2024	Radium 226 + Radium 228, total	5.62	pCi/L
AW-14	Compliance	E007	10/29/2024	Selenium, total	0.00074 U	mg/L
AW-14	Compliance	E007	10/29/2024	Specific Conductance @ 25C (field)	1,940	micromhos/cm
AW-14	Compliance	E007	10/29/2024	Sulfate, total	3.30	mg/L
AW-14	Compliance	E007	10/29/2024	Temperature	18.8	degrees C
AW-14	Compliance	E007	10/29/2024	Thallium, total	0.00038 U	mg/L
AW-14	Compliance	E007	10/29/2024	Total Dissolved Solids	1,000	mg/L
AW-14	Compliance	E007	10/29/2024	Turbidity, field	98.1	NTU
AW-15	Compliance	E007	10/29/2024	Antimony, total	0.00043 U	mg/L
AW-15	Compliance	E007	10/29/2024	Arsenic, total	0.00150	mg/L
AW-15	Compliance	E007	10/29/2024	Barium, total	1.60	mg/L
AW-15	Compliance	E007	10/29/2024	Beryllium, total	0.00059 U	mg/L
AW-15	Compliance	E007	10/29/2024	Boron, total	0.360	mg/L
AW-15	Compliance	E007	10/29/2024	Cadmium, total	0.00074 U	mg/L
AW-15	Compliance	E007	10/29/2024	Calcium, total	140	mg/L
AW-15	Compliance	E007	10/29/2024	Chloride, total	36.0	mg/L
AW-15	Compliance	E007	10/29/2024	Chromium, total	0.0028 U	mg/L
AW-15	Compliance	E007	10/29/2024	Cobalt, total	0.0015 J	mg/L
AW-15	Compliance	E007	10/29/2024	Dissolved Oxygen	0.550	mg/L
AW-15	Compliance	E007	10/29/2024	Fluoride, total	0.172 U	mg/L
AW-15	Compliance	E007	10/29/2024	Lead, total	0.00022 U	mg/L
AW-15	Compliance	E007	10/29/2024	Lithium, total	0.0320	mg/L
AW-15	Compliance	E007	10/29/2024	Mercury, total	0.00014 U	mg/L
AW-15	Compliance	E007	10/29/2024	Molybdenum, total	0.00074 U	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-15	Compliance	E007	10/29/2024	Oxidation Reduction Potential	-119	mV
AW-15	Compliance	E007	10/29/2024	pH (field)	6.8	SU
AW-15	Compliance	E007	10/29/2024	Radium 226 + Radium 228, total	5.08	pCi/L
AW-15	Compliance	E007	10/29/2024	Selenium, total	0.00074 U	mg/L
AW-15	Compliance	E007	10/29/2024	Specific Conductance @ 25C (field)	2,100	micromhos/cm
AW-15	Compliance	E007	10/29/2024	Sulfate, total	0.16 J	mg/L
AW-15	Compliance	E007	10/29/2024	Temperature	19.2	degrees C
AW-15	Compliance	E007	10/29/2024	Thallium, total	0.00038 U	mg/L
AW-15	Compliance	E007	10/29/2024	Total Dissolved Solids	980	mg/L
AW-15	Compliance	E007	10/29/2024	Turbidity, field	179	NTU
AW-15S	Compliance	E007	10/29/2024	Antimony, total	0.00043 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Arsenic, total	0.00069 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Barium, total	0.0780	mg/L
AW-15S	Compliance	E007	10/29/2024	Beryllium, total	0.00059 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Boron, total	6.80	mg/L
AW-15S	Compliance	E007	10/29/2024	Cadmium, total	0.00074 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Calcium, total	270	mg/L
AW-15S	Compliance	E007	10/29/2024	Chloride, total	31.0	mg/L
AW-15S	Compliance	E007	10/29/2024	Chromium, total	0.0028 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Cobalt, total	0.00048 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Dissolved Oxygen	1.90	mg/L
AW-15S	Compliance	E007	10/29/2024	Fluoride, total	0.227 J	mg/L
AW-15S	Compliance	E007	10/29/2024	Lead, total	0.00022 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Lithium, total	0.019 J	mg/L
AW-15S	Compliance	E007	10/29/2024	Mercury, total	0.00015 J	mg/L
AW-15S	Compliance	E007	10/29/2024	Molybdenum, total	0.00290	mg/L
AW-15S	Compliance	E007	10/29/2024	Oxidation Reduction Potential	-64.0	mV
AW-15S	Compliance	E007	10/29/2024	pH (field)	6.9	SU
AW-15S	Compliance	E007	10/29/2024	Radium 226 + Radium 228, total	0.489	pCi/L
AW-15S	Compliance	E007	10/29/2024	Selenium, total	0.00074 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Specific Conductance @ 25C (field)	1,840	micromhos/cm
AW-15S	Compliance	E007	10/29/2024	Sulfate, total	520	mg/L
AW-15S	Compliance	E007	10/29/2024	Temperature	21.4	degrees C
AW-15S	Compliance	E007	10/29/2024	Thallium, total	0.00038 U	mg/L
AW-15S	Compliance	E007	10/29/2024	Total Dissolved Solids	1,400	mg/L
AW-15S	Compliance	E007	10/29/2024	Turbidity, field	50.4	NTU
AW-16	Compliance	E007	10/30/2024	Antimony, total	0.00043 U	mg/L
AW-16	Compliance	E007	10/30/2024	Arsenic, total	0.00120	mg/L
AW-16	Compliance	E007	10/30/2024	Barium, total	1.00	mg/L
AW-16	Compliance	E007	10/30/2024	Beryllium, total	0.00059 U	mg/L
AW-16	Compliance	E007	10/30/2024	Boron, total	0.420	mg/L
AW-16	Compliance	E007	10/30/2024	Cadmium, total	0.00074 U	mg/L
AW-16	Compliance	E007	10/30/2024	Calcium, total	140	mg/L
AW-16	Compliance	E007	10/30/2024	Chloride, total	44.0	mg/L
AW-16	Compliance	E007	10/30/2024	Chromium, total	0.0028 U	mg/L
AW-16	Compliance	E007	10/30/2024	Cobalt, total	0.0015 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-16	Compliance	E007	10/30/2024	Dissolved Oxygen	0	mg/L
AW-16	Compliance	E007	10/30/2024	Fluoride, total	0.2 U	mg/L
AW-16	Compliance	E007	10/30/2024	Lead, total	0.00022 U	mg/L
AW-16	Compliance	E007	10/30/2024	Lithium, total	0.0340	mg/L
AW-16	Compliance	E007	10/30/2024	Mercury, total	0.00014 U	mg/L
AW-16	Compliance	E007	10/30/2024	Molybdenum, total	0.00074 U	mg/L
AW-16	Compliance	E007	10/30/2024	Oxidation Reduction Potential	-100	mV
AW-16	Compliance	E007	10/30/2024	pH (field)	6.7	SU
AW-16	Compliance	E007	10/30/2024	Radium 226 + Radium 228, total	2.78	pCi/L
AW-16	Compliance	E007	10/30/2024	Selenium, total	0.00074 U	mg/L
AW-16	Compliance	E007	10/30/2024	Specific Conductance @ 25C (field)	1,700	micromhos/cm
AW-16	Compliance	E007	10/30/2024	Sulfate, total	0.42 J	mg/L
AW-16	Compliance	E007	10/30/2024	Temperature	18.0	degrees C
AW-16	Compliance	E007	10/30/2024	Thallium, total	0.00038 U	mg/L
AW-16	Compliance	E007	10/30/2024	Total Dissolved Solids	1,200	mg/L
AW-16	Compliance	E007	10/30/2024	Turbidity, field	0 U	NTU
AW-17	Compliance	E007	10/30/2024	Antimony, total	0.00043 U	mg/L
AW-17	Compliance	E007	10/30/2024	Arsenic, total	0.00380	mg/L
AW-17	Compliance	E007	10/30/2024	Barium, total	0.970	mg/L
AW-17	Compliance	E007	10/30/2024	Beryllium, total	0.00059 U	mg/L
AW-17	Compliance	E007	10/30/2024	Boron, total	0.420	mg/L
AW-17	Compliance	E007	10/30/2024	Cadmium, total	0.00074 U	mg/L
AW-17	Compliance	E007	10/30/2024	Calcium, total	100	mg/L
AW-17	Compliance	E007	10/30/2024	Chloride, total	48.0	mg/L
AW-17	Compliance	E007	10/30/2024	Chromium, total	0.0028 U	mg/L
AW-17	Compliance	E007	10/30/2024	Cobalt, total	0.0018 J	mg/L
AW-17	Compliance	E007	10/30/2024	Dissolved Oxygen	0.780	mg/L
AW-17	Compliance	E007	10/30/2024	Fluoride, total	0.2 U	mg/L
AW-17	Compliance	E007	10/30/2024	Lead, total	0.00022 U	mg/L
AW-17	Compliance	E007	10/30/2024	Lithium, total	0.0330	mg/L
AW-17	Compliance	E007	10/30/2024	Mercury, total	0.00014 U	mg/L
AW-17	Compliance	E007	10/30/2024	Molybdenum, total	0.00074 U	mg/L
AW-17	Compliance	E007	10/30/2024	Oxidation Reduction Potential	-134	mV
AW-17	Compliance	E007	10/30/2024	pH (field)	6.8	SU
AW-17	Compliance	E007	10/30/2024	Radium 226 + Radium 228, total	3.03	pCi/L
AW-17	Compliance	E007	10/30/2024	Selenium, total	0.00074 U	mg/L
AW-17	Compliance	E007	10/30/2024	Specific Conductance @ 25C (field)	1,809	micromhos/cm
AW-17	Compliance	E007	10/30/2024	Sulfate, total	0.3 J	mg/L
AW-17	Compliance	E007	10/30/2024	Temperature	16.0	degrees C
AW-17	Compliance	E007	10/30/2024	Thallium, total	0.00038 U	mg/L
AW-17	Compliance	E007	10/30/2024	Total Dissolved Solids	950	mg/L
AW-17	Compliance	E007	10/30/2024	Turbidity, field	20.0	NTU
AW-18	Compliance	E007	10/30/2024	Antimony, total	0.00043 U	mg/L
AW-18	Compliance	E007	10/30/2024	Arsenic, total	0.00240	mg/L
AW-18	Compliance	E007	10/30/2024	Barium, total	1.10	mg/L
AW-18	Compliance	E007	10/30/2024	Beryllium, total	0.00059 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-18	Compliance	E007	10/30/2024	Boron, total	1.50	mg/L
AW-18	Compliance	E007	10/30/2024	Cadmium, total	0.00074 U	mg/L
AW-18	Compliance	E007	10/30/2024	Calcium, total	120	mg/L
AW-18	Compliance	E007	10/30/2024	Chloride, total	77.0	mg/L
AW-18	Compliance	E007	10/30/2024	Chromium, total	0.0170	mg/L
AW-18	Compliance	E007	10/30/2024	Cobalt, total	0.00087 J	mg/L
AW-18	Compliance	E007	10/30/2024	Dissolved Oxygen	0	mg/L
AW-18	Compliance	E007	10/30/2024	Fluoride, total	0.2 U	mg/L
AW-18	Compliance	E007	10/30/2024	Lead, total	0.00035 J	mg/L
AW-18	Compliance	E007	10/30/2024	Lithium, total	0.0240	mg/L
AW-18	Compliance	E007	10/30/2024	Mercury, total	0.00014 U	mg/L
AW-18	Compliance	E007	10/30/2024	Molybdenum, total	0.00470	mg/L
AW-18	Compliance	E007	10/30/2024	Oxidation Reduction Potential	-136	mV
AW-18	Compliance	E007	10/30/2024	pH (field)	6.6	SU
AW-18	Compliance	E007	10/30/2024	Radium 226 + Radium 228, total	2.38	pCi/L
AW-18	Compliance	E007	10/30/2024	Selenium, total	0.00074 U	mg/L
AW-18	Compliance	E007	10/30/2024	Specific Conductance @ 25C (field)	1,500	micromhos/cm
AW-18	Compliance	E007	10/30/2024	Sulfate, total	7.30	mg/L
AW-18	Compliance	E007	10/30/2024	Temperature	17.9	degrees C
AW-18	Compliance	E007	10/30/2024	Thallium, total	0.00038 U	mg/L
AW-18	Compliance	E007	10/30/2024	Total Dissolved Solids	920	mg/L
AW-18	Compliance	E007	10/30/2024	Turbidity, field	13.7	NTU
AW-19	Compliance	E007	10/31/2024	Antimony, total	0.00043 U	mg/L
AW-19	Compliance	E007	10/31/2024	Arsenic, total	0.0100	mg/L
AW-19	Compliance	E007	10/31/2024	Barium, total	0.180	mg/L
AW-19	Compliance	E007	10/31/2024	Beryllium, total	0.00059 U	mg/L
AW-19	Compliance	E007	10/31/2024	Boron, total	3.20	mg/L
AW-19	Compliance	E007	10/31/2024	Cadmium, total	0.00074 U	mg/L
AW-19	Compliance	E007	10/31/2024	Calcium, total	120	mg/L
AW-19	Compliance	E007	10/31/2024	Chloride, total	83.0	mg/L
AW-19	Compliance	E007	10/31/2024	Chromium, total	0.0028 U	mg/L
AW-19	Compliance	E007	10/31/2024	Cobalt, total	0.00066 J	mg/L
AW-19	Compliance	E007	10/31/2024	Dissolved Oxygen	1.50	mg/L
AW-19	Compliance	E007	10/31/2024	Fluoride, total	0.245 J	mg/L
AW-19	Compliance	E007	10/31/2024	Lead, total	0.00022 U	mg/L
AW-19	Compliance	E007	10/31/2024	Lithium, total	0.012 J	mg/L
AW-19	Compliance	E007	10/31/2024	Mercury, total	0.00014 U	mg/L
AW-19	Compliance	E007	10/31/2024	Molybdenum, total	0.00600	mg/L
AW-19	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-102	mV
AW-19	Compliance	E007	10/31/2024	pH (field)	7.2	SU
AW-19	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	1.06	pCi/L
AW-19	Compliance	E007	10/31/2024	Selenium, total	0.00074 U	mg/L
AW-19	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,180	micromhos/cm
AW-19	Compliance	E007	10/31/2024	Sulfate, total	54.0	mg/L
AW-19	Compliance	E007	10/31/2024	Temperature	16.8	degrees C
AW-19	Compliance	E007	10/31/2024	Thallium, total	0.00038 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
AW-19	Compliance	E007	10/31/2024	Total Dissolved Solids	600	mg/L
AW-19	Compliance	E007	10/31/2024	Turbidity, field	43.0	NTU
AW-21	Compliance	E007	10/31/2024	Antimony, total	0.002 J	mg/L
AW-21	Compliance	E007	10/31/2024	Arsenic, total	0.00170	mg/L
AW-21	Compliance	E007	10/31/2024	Barium, total	0.0590	mg/L
AW-21	Compliance	E007	10/31/2024	Beryllium, total	0.00059 U	mg/L
AW-21	Compliance	E007	10/31/2024	Boron, total	10.0	mg/L
AW-21	Compliance	E007	10/31/2024	Cadmium, total	0.00074 U	mg/L
AW-21	Compliance	E007	10/31/2024	Calcium, total	110	mg/L
AW-21	Compliance	E007	10/31/2024	Chloride, total	85.0	mg/L
AW-21	Compliance	E007	10/31/2024	Chromium, total	0.0031 J	mg/L
AW-21	Compliance	E007	10/31/2024	Cobalt, total	0.00048 U	mg/L
AW-21	Compliance	E007	10/31/2024	Dissolved Oxygen	2.40	mg/L
AW-21	Compliance	E007	10/31/2024	Fluoride, total	0.294	mg/L
AW-21	Compliance	E007	10/31/2024	Lead, total	0.00022 U	mg/L
AW-21	Compliance	E007	10/31/2024	Lithium, total	0.0068 J	mg/L
AW-21	Compliance	E007	10/31/2024	Mercury, total	0.00014 U	mg/L
AW-21	Compliance	E007	10/31/2024	Molybdenum, total	0.0200	mg/L
AW-21	Compliance	E007	10/31/2024	Oxidation Reduction Potential	21.0	mV
AW-21	Compliance	E007	10/31/2024	pH (field)	7.2	SU
AW-21	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.679	pCi/L
AW-21	Compliance	E007	10/31/2024	Selenium, total	0.00170	mg/L
AW-21	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,050	micromhos/cm
AW-21	Compliance	E007	10/31/2024	Sulfate, total	240	mg/L
AW-21	Compliance	E007	10/31/2024	Temperature	16.1	degrees C
AW-21	Compliance	E007	10/31/2024	Thallium, total	0.00038 U	mg/L
AW-21	Compliance	E007	10/31/2024	Total Dissolved Solids	620	mg/L
AW-21	Compliance	E007	10/31/2024	Turbidity, field	0.800	NTU

Notes:
– = no data available
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.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
SU = Standard Units

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AP07S	PMP	E004	Antimony, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AP07S	PMP	E004	Arsenic, total	mg/L	02/10/21 - 02/08/24	13	85	CI around median	0.001	0.0300	Background	No Exceedance
AP07S	PMP	E004	Barium, total	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	0.0708	2.07	Background	No Exceedance
AP07S	PMP	E004	Beryllium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AP07S	PMP	E004	Boron, total	mg/L	02/10/21 - 02/08/24	13	0	CB around linear reg	6.93	2	Standard	Exceedance
AP07S	PMP	E004	Cadmium, total	mg/L	02/10/21 - 02/08/24	13	85	CI around median	0.001	0.005	Standard	No Exceedance
AP07S	PMP	E004	Chloride, total	mg/L	02/10/21 - 02/08/24	13	0	CI around geomean	76.4	200	Standard	No Exceedance
AP07S	PMP	E004	Chromium, total	mg/L	02/10/21 - 02/08/24	13	69	CI around median	0.004	0.1	Standard	No Exceedance
AP07S	PMP	E004	Cobalt, total	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	0.00237	0.0280	Background	No Exceedance
AP07S	PMP	E004	Fluoride, total	mg/L	02/10/21 - 02/08/24	13	69	CI around median	0.25	4.0	Standard	No Exceedance
AP07S	PMP	E004	Lead, total	mg/L	02/10/21 - 02/08/24	13	62	CI around median	0.001	0.0330	Background	No Exceedance
AP07S	PMP	E004	Lithium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AP07S	PMP	E004	Mercury, total	mg/L	02/10/21 - 02/08/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
AP07S	PMP	E004	Molybdenum, total	mg/L	02/10/21 - 02/08/24	13	46	CI around median	0.001	0.1	Standard	No Exceedance
AP07S	PMP	E004	pH (field)	SU	02/10/21 - 02/08/24	13	0	CI around mean	6.6/7.0	6.3/9.0	Background/Standard	No Exceedance
AP07S	PMP	E004	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 02/08/24	13	0	CI around mean	0.569	9.60	Background	No Exceedance
AP07S	PMP	E004	Selenium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AP07S	PMP	E004	Sulfate, total	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	211	400	Standard	No Exceedance
AP07S	PMP	E004	Thallium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AP07S	PMP	E004	Total Dissolved Solids	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	791	1,200	Standard	No Exceedance
AW-01	PMP	E004	Antimony, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-01	PMP	E004	Arsenic, total	mg/L	11/18/22 - 02/08/24	8	0	CI around mean	0.00215	0.0300	Background	No Exceedance
AW-01	PMP	E004	Barium, total	mg/L	11/18/22 - 02/08/24	8	0	CI around mean	0.101	2.07	Background	No Exceedance
AW-01	PMP	E004	Beryllium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-01	PMP	E004	Boron, total	mg/L	11/18/22 - 02/08/24	8	0	CI around median	0.072	2	Standard	No Exceedance
AW-01	PMP	E004	Cadmium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-01	PMP	E004	Chloride, total	mg/L	11/18/22 - 02/08/24	8	0	CI around median	10	200	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-01	PMP	E004	Chromium, total	mg/L	11/18/22 - 02/08/24	8	75	CI around median	0.004	0.1	Standard	No Exceedance
AW-01	PMP	E004	Cobalt, total	mg/L	11/18/22 - 02/08/24	8	12	CI around mean	0.00224	0.0280	Background	No Exceedance
AW-01	PMP	E004	Fluoride, total	mg/L	11/18/22 - 02/08/24	8	50	CI around mean	0.247	4.0	Standard	No Exceedance
AW-01	PMP	E004	Lead, total	mg/L	11/18/22 - 02/08/24	8	75	CI around median	0.001	0.0330	Background	No Exceedance
AW-01	PMP	E004	Lithium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-01	PMP	E004	Mercury, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-01	PMP	E004	Molybdenum, total	mg/L	11/18/22 - 02/08/24	8	0	CI around mean	0.00263	0.1	Standard	No Exceedance
AW-01	PMP	E004	pH (field)	SU	11/18/22 - 02/08/24	8	0	CI around mean	6.6/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-01	PMP	E004	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 02/08/24	8	0	CI around mean	-0.393	9.60	Background	No Exceedance
AW-01	PMP	E004	Selenium, total	mg/L	11/18/22 - 02/08/24	8	88	CI around median	0.001	0.05	Standard	No Exceedance
AW-01	PMP	E004	Sulfate, total	mg/L	11/18/22 - 02/08/24	8	0	CI around median	41	400	Standard	No Exceedance
AW-01	PMP	E004	Thallium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-01	PMP	E004	Total Dissolved Solids	mg/L	11/18/22 - 02/08/24	8	0	CI around geomean	730	1,200	Standard	No Exceedance
AW-05	UA	E004	Antimony, total	mg/L	11/09/15 - 02/08/24	17	94	Most recent sample	0.003	0.006	Standard	No Exceedance
AW-05	UA	E004	Arsenic, total	mg/L	11/09/15 - 02/08/24	17	0	CI around geomean	0.00392	0.0300	Background	No Exceedance
AW-05	UA	E004	Barium, total	mg/L	11/09/15 - 02/08/24	17	0	CI around geomean	0.14	2.07	Background	No Exceedance
AW-05	UA	E004	Beryllium, total	mg/L	11/09/15 - 02/08/24	16	88	CI around median	0.001	0.004	Standard	No Exceedance
AW-05	UA	E004	Boron, total	mg/L	11/09/15 - 02/08/24	18	0	CB around linear reg	3.32	2	Standard	Exceedance
AW-05	UA	E004	Cadmium, total	mg/L	11/09/15 - 02/08/24	17	88	CI around median	0.001	0.005	Standard	No Exceedance
AW-05	UA	E004	Chloride, total	mg/L	11/09/15 - 02/08/24	18	0	CB around linear reg	-133	200	Standard	No Exceedance
AW-05	UA	E004	Chromium, total	mg/L	11/09/15 - 02/08/24	17	29	CI around geomean	0.00579	0.1	Standard	No Exceedance
AW-05	UA	E004	Cobalt, total	mg/L	11/09/15 - 02/08/24	17	18	CI around geomean	0.00358	0.0280	Background	No Exceedance
AW-05	UA	E004	Fluoride, total	mg/L	11/09/15 - 02/08/24	18	56	CI around median	0.25	4.0	Standard	No Exceedance
AW-05	UA	E004	Lead, total	mg/L	11/09/15 - 02/08/24	16	31	CI around geomean	0.00179	0.0330	Background	No Exceedance
AW-05	UA	E004	Lithium, total	mg/L	11/09/15 - 02/08/24	17	29	CI around median	0.02	0.0710	Background	No Exceedance
AW-05	UA	E004	Mercury, total	mg/L	11/09/15 - 02/08/24	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-05	UA	E004	Molybdenum, total	mg/L	11/09/15 - 02/08/24	17	0	CI around mean	0.00208	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-05	UA	E004	pH (field)	SU	11/09/15 - 02/08/24	18	0	CI around mean	6.9/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-05	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/08/24	17	0	CI around mean	0.664	9.60	Background	No Exceedance
AW-05	UA	E004	Selenium, total	mg/L	11/09/15 - 02/08/24	17	53	CI around median	0.001	0.05	Standard	No Exceedance
AW-05	UA	E004	Sulfate, total	mg/L	11/09/15 - 02/08/24	18	0	CI around median	280	400	Standard	No Exceedance
AW-05	UA	E004	Thallium, total	mg/L	11/09/15 - 02/08/24	16	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-05	UA	E004	Total Dissolved Solids	mg/L	11/09/15 - 02/08/24	18	0	CI around geomean	1,020	1,200	Standard	No Exceedance
AW-06	UA	E004	Antimony, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-06	UA	E004	Arsenic, total	mg/L	11/10/15 - 02/07/24	23	0	CI around geomean	0.00315	0.0300	Background	No Exceedance
AW-06	UA	E004	Barium, total	mg/L	11/10/15 - 02/07/24	23	0	CI around median	0.18	2.07	Background	No Exceedance
AW-06	UA	E004	Beryllium, total	mg/L	11/10/15 - 02/07/24	23	87	CI around median	0.001	0.004	Standard	No Exceedance
AW-06	UA	E004	Boron, total	mg/L	11/10/15 - 02/07/24	24	0	CB around linear reg	0.0566	2	Standard	No Exceedance
AW-06	UA	E004	Cadmium, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-06	UA	E004	Chloride, total	mg/L	11/10/15 - 02/07/24	24	0	CB around T-S line	13.8	200	Standard	No Exceedance
AW-06	UA	E004	Chromium, total	mg/L	11/10/15 - 02/07/24	23	52	CI around median	0.004	0.1	Standard	No Exceedance
AW-06	UA	E004	Cobalt, total	mg/L	11/10/15 - 02/07/24	23	56	CI around median	0.002	0.0280	Background	No Exceedance
AW-06	UA	E004	Fluoride, total	mg/L	11/10/15 - 02/07/24	24	8	CB around T-S line	0.188	4.0	Standard	No Exceedance
AW-06	UA	E004	Lead, total	mg/L	11/10/15 - 02/07/24	23	35	CI around median	0.001	0.0330	Background	No Exceedance
AW-06	UA	E004	Lithium, total	mg/L	11/10/15 - 02/07/24	23	48	CI around geomean	0.0128	0.0710	Background	No Exceedance
AW-06	UA	E004	Mercury, total	mg/L	11/10/15 - 02/07/24	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-06	UA	E004	Molybdenum, total	mg/L	11/10/15 - 02/07/24	23	0	CI around mean	0.00487	0.1	Standard	No Exceedance
AW-06	UA	E004	pH (field)	SU	11/10/15 - 02/07/24	24	0	CI around median	7.1/7.3	6.3/9.0	Background/Standard	No Exceedance
AW-06	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/07/24	23	0	CI around mean	0.708	9.60	Background	No Exceedance
AW-06	UA	E004	Selenium, total	mg/L	11/10/15 - 02/07/24	23	74	CI around median	0.001	0.05	Standard	No Exceedance
AW-06	UA	E004	Sulfate, total	mg/L	11/10/15 - 02/07/24	24	0	CB around linear reg	17.5	400	Standard	No Exceedance
AW-06	UA	E004	Thallium, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-06	UA	E004	Total Dissolved Solids	mg/L	11/10/15 - 02/07/24	24	0	CI around mean	512	1,200	Standard	No Exceedance
AW-09	UA	E004	Antimony, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.003	0.006	Standard	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-09	UA	E004	Arsenic, total	mg/L	11/10/15 - 02/07/24	23	13	CI around mean	0.0113	0.0300	Background	No Exceedance
AW-09	UA	E004	Barium, total	mg/L	11/10/15 - 02/07/24	23	0	CI around geomean	0.29	2.07	Background	No Exceedance
AW-09	UA	E004	Beryllium, total	mg/L	11/10/15 - 02/07/24	23	83	CB around T-S line	-0.000357	0.004	Standard	No Exceedance
AW-09	UA	E004	Boron, total	mg/L	11/10/15 - 02/07/24	24	0	CB around linear reg	-0.102	2	Standard	No Exceedance
AW-09	UA	E004	Cadmium, total	mg/L	11/10/15 - 02/07/24	18	89	CI around median	0.001	0.005	Standard	No Exceedance
AW-09	UA	E004	Chloride, total	mg/L	11/10/15 - 02/07/24	24	0	CI around median	27	200	Standard	No Exceedance
AW-09	UA	E004	Chromium, total	mg/L	11/10/15 - 02/07/24	23	56	CB around T-S line	-0.0511	0.1	Standard	No Exceedance
AW-09	UA	E004	Cobalt, total	mg/L	11/10/15 - 02/07/24	23	4	CB around T-S line	-0.0271	0.0280	Background	No Exceedance
AW-09	UA	E004	Fluoride, total	mg/L	11/10/15 - 02/07/24	24	62	CB around T-S line	0.187	4.0	Standard	No Exceedance
AW-09	UA	E004	Lead, total	mg/L	11/10/15 - 02/07/24	23	44	CI around median	0.001	0.0330	Background	No Exceedance
AW-09	UA	E004	Lithium, total	mg/L	11/10/15 - 02/07/24	23	35	CB around T-S line	-0.0509	0.0710	Background	No Exceedance
AW-09	UA	E004	Mercury, total	mg/L	11/10/15 - 02/07/24	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-09	UA	E004	Molybdenum, total	mg/L	11/10/15 - 02/07/24	23	0	CI around mean	0.0143	0.1	Standard	No Exceedance
AW-09	UA	E004	pH (field)	SU	11/10/15 - 02/07/24	24	0	CB around linear reg	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance
AW-09	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/07/24	23	0	CI around median	0.729	9.60	Background	No Exceedance
AW-09	UA	E004	Selenium, total	mg/L	11/10/15 - 02/07/24	23	65	CB around T-S line	-0.00204	0.05	Standard	No Exceedance
AW-09	UA	E004	Sulfate, total	mg/L	11/10/15 - 02/07/24	24	54	CB around T-S line	-22.2	400	Standard	No Exceedance
AW-09	UA	E004	Thallium, total	mg/L	11/10/15 - 02/07/24	18	94	CI around median	0.001	0.002	Standard	No Exceedance
AW-09	UA	E004	Total Dissolved Solids	mg/L	11/10/15 - 02/07/24	24	0	CB around T-S line	756	1,200	Standard	No Exceedance
AW-10	UA	E004	Antimony, total	mg/L	11/09/15 - 02/08/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-10	UA	E004	Arsenic, total	mg/L	11/09/15 - 02/08/24	24	0	CI around median	0.0099	0.0300	Background	No Exceedance
AW-10	UA	E004	Barium, total	mg/L	11/09/15 - 02/08/24	24	0	CI around median	0.98	2.07	Background	No Exceedance
AW-10	UA	E004	Beryllium, total	mg/L	11/09/15 - 02/08/24	24	75	CI around median	0.001	0.004	Standard	No Exceedance
AW-10	UA	E004	Boron, total	mg/L	11/09/15 - 02/08/24	25	0	CI around mean	0.463	2	Standard	No Exceedance
AW-10	UA	E004	Cadmium, total	mg/L	11/09/15 - 02/08/24	19	95	CI around median	0.001	0.005	Standard	No Exceedance
AW-10	UA	E004	Chloride, total	mg/L	11/09/15 - 02/08/24	25	0	CI around geomean	87.1	200	Standard	No Exceedance
AW-10	UA	E004	Chromium, total	mg/L	11/09/15 - 02/08/24	24	33	CI around median	0.004	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-10	UA	E004	Cobalt, total	mg/L	11/09/15 - 02/08/24	24	4	CI around geomean	0.00378	0.0280	Background	No Exceedance
AW-10	UA	E004	Fluoride, total	mg/L	11/09/15 - 02/08/24	25	96	CI around median	0.25	4.0	Standard	No Exceedance
AW-10	UA	E004	Lead, total	mg/L	11/09/15 - 02/08/24	24	12	CI around geomean	0.002	0.0330	Background	No Exceedance
AW-10	UA	E004	Lithium, total	mg/L	11/09/15 - 02/08/24	24	0	CB around T-S line	-0.0292	0.0710	Background	No Exceedance
AW-10	UA	E004	Mercury, total	mg/L	11/09/15 - 02/08/24	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-10	UA	E004	Molybdenum, total	mg/L	11/09/15 - 02/08/24	24	25	CB around T-S line	-0.000447	0.1	Standard	No Exceedance
AW-10	UA	E004	pH (field)	SU	11/09/15 - 02/08/24	26	0	CI around mean	6.9/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-10	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/08/24	24	0	CI around mean	2.32	9.60	Background	No Exceedance
AW-10	UA	E004	Selenium, total	mg/L	11/09/15 - 02/08/24	24	62	CI around median	0.001	0.05	Standard	No Exceedance
AW-10	UA	E004	Sulfate, total	mg/L	11/09/15 - 02/08/24	25	80	CB around T-S line	0.794	400	Standard	No Exceedance
AW-10	UA	E004	Thallium, total	mg/L	11/09/15 - 02/08/24	19	95	CI around median	0.001	0.002	Standard	No Exceedance
AW-10	UA	E004	Total Dissolved Solids	mg/L	11/09/15 - 02/08/24	25	0	CI around median	1,100	1,200	Standard	No Exceedance
AW-11	UA	E004	Antimony, total	mg/L	11/09/15 - 02/08/24	18	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-11	UA	E004	Arsenic, total	mg/L	11/09/15 - 02/08/24	23	0	CI around geomean	0.00906	0.0300	Background	No Exceedance
AW-11	UA	E004	Barium, total	mg/L	11/09/15 - 02/08/24	23	0	CI around geomean	0.875	2.07	Background	No Exceedance
AW-11	UA	E004	Beryllium, total	mg/L	11/09/15 - 02/08/24	23	78	CI around median	0.001	0.004	Standard	No Exceedance
AW-11	UA	E004	Boron, total	mg/L	11/09/15 - 02/08/24	24	0	CI around mean	0.223	2	Standard	No Exceedance
AW-11	UA	E004	Cadmium, total	mg/L	11/09/15 - 02/08/24	18	83	CI around median	0.001	0.005	Standard	No Exceedance
AW-11	UA	E004	Chloride, total	mg/L	11/09/15 - 02/08/24	24	0	CI around mean	31.3	200	Standard	No Exceedance
AW-11	UA	E004	Chromium, total	mg/L	11/09/15 - 02/08/24	23	52	CB around T-S line	-0.0197	0.1	Standard	No Exceedance
AW-11	UA	E004	Cobalt, total	mg/L	11/09/15 - 02/08/24	23	30	CB around T-S line	-0.00666	0.0280	Background	No Exceedance
AW-11	UA	E004	Fluoride, total	mg/L	11/09/15 - 02/08/24	24	88	CI around median	0.25	4.0	Standard	No Exceedance
AW-11	UA	E004	Lead, total	mg/L	11/09/15 - 02/08/24	23	39	CB around T-S line	-0.0096	0.0330	Background	No Exceedance
AW-11	UA	E004	Lithium, total	mg/L	11/09/15 - 02/08/24	23	17	CB around T-S line	-0.0107	0.0710	Background	No Exceedance
AW-11	UA	E004	Mercury, total	mg/L	11/09/15 - 02/08/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-11	UA	E004	Molybdenum, total	mg/L	11/09/15 - 02/08/24	23	9	CB around linear reg	-0.00135	0.1	Standard	No Exceedance
AW-11	UA	E004	pH (field)	SU	11/09/15 - 02/08/24	24	0	CI around median	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-11	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/08/24	23	0	CI around geomean	1.56	9.60	Background	No Exceedance
AW-11	UA	E004	Selenium, total	mg/L	11/09/15 - 02/08/24	23	70	CB around T-S line	0.000228	0.05	Standard	No Exceedance
AW-11	UA	E004	Sulfate, total	mg/L	11/09/15 - 02/08/24	24	67	CB around T-S line	0.235	400	Standard	No Exceedance
AW-11	UA	E004	Thallium, total	mg/L	11/09/15 - 02/08/24	18	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-11	UA	E004	Total Dissolved Solids	mg/L	11/09/15 - 02/08/24	24	0	CB around T-S line	920	1,200	Standard	No Exceedance
AW-14	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	12	92	CI around median	0.003	0.006	Standard	No Exceedance
AW-14	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	12	0	CB around linear reg	0.00037	0.0300	Background	No Exceedance
AW-14	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	12	0	CI around mean	0.63	2.07	Background	No Exceedance
AW-14	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-14	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	12	0	CI around median	0.17	2	Standard	No Exceedance
AW-14	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-14	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	12	0	CI around geomean	23.2	200	Standard	No Exceedance
AW-14	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	12	92	CI around median	0.004	0.1	Standard	No Exceedance
AW-14	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	12	17	CB around linear reg	-0.00202	0.0280	Background	No Exceedance
AW-14	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	12	83	CI around median	0.25	4.0	Standard	No Exceedance
AW-14	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	12	67	CI around median	0.001	0.0330	Background	No Exceedance
AW-14	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	12	58	CI around median	0.02	0.0710	Background	No Exceedance
AW-14	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-14	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	12	25	CI around geomean	0.0015	0.1	Standard	No Exceedance
AW-14	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	12	0	CI around mean	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-14	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	12	0	CI around mean	1.87	9.60	Background	No Exceedance
AW-14	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	12	83	CI around median	0.001	0.05	Standard	No Exceedance
AW-14	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	12	17	CI around geomean	1.89	400	Standard	No Exceedance
AW-14	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-14	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	12	0	CI around mean	914	1,200	Standard	No Exceedance
AW-15	UA	E004	Antimony, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15	UA	E004	Arsenic, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	0.00171	0.0300	Background	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15	UA	E004	Barium, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	1.64	2.07	Background	No Exceedance
AW-15	UA	E004	Beryllium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-15	UA	E004	Boron, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	0.346	2	Standard	No Exceedance
AW-15	UA	E004	Cadmium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15	UA	E004	Chloride, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	33.4	200	Standard	No Exceedance
AW-15	UA	E004	Chromium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-15	UA	E004	Cobalt, total	mg/L	02/12/21 - 02/08/24	10	90	CI around median	0.002	0.0280	Background	No Exceedance
AW-15	UA	E004	Fluoride, total	mg/L	02/12/21 - 02/08/24	10	80	CI around median	0.25	4.0	Standard	No Exceedance
AW-15	UA	E004	Lead, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-15	UA	E004	Lithium, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	0.0286	0.0710	Background	No Exceedance
AW-15	UA	E004	Mercury, total	mg/L	02/12/21 - 02/08/24	10	90	CI around median	0.0002	0.002	Standard	No Exceedance
AW-15	UA	E004	Molybdenum, total	mg/L	02/12/21 - 02/08/24	10	80	CI around median	0.001	0.1	Standard	No Exceedance
AW-15	UA	E004	pH (field)	SU	02/12/21 - 02/08/24	9	0	CI around mean	6.7/6.9	6.3/9.0	Background/Standard	No Exceedance
AW-15	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/08/24	10	0	CI around mean	3.25	9.60	Background	No Exceedance
AW-15	UA	E004	Selenium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-15	UA	E004	Sulfate, total	mg/L	02/12/21 - 02/08/24	10	90	Most recent sample	1	400	Standard	No Exceedance
AW-15	UA	E004	Thallium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15	UA	E004	Total Dissolved Solids	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	916	1,200	Standard	No Exceedance
AW-15S	PMP	E004	Antimony, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15S	PMP	E004	Arsenic, total	mg/L	02/12/21 - 02/08/24	13	62	CI around median	0.001	0.0300	Background	No Exceedance
AW-15S	PMP	E004	Barium, total	mg/L	02/12/21 - 02/08/24	13	0	CB around T-S line	-0.0712	2.07	Background	No Exceedance
AW-15S	PMP	E004	Beryllium, total	mg/L	02/12/21 - 02/08/24	13	92	CI around median	0.001	0.004	Standard	No Exceedance
AW-15S	PMP	E004	Boron, total	mg/L	02/12/21 - 02/08/24	13	0	CI around mean	5.55	2	Standard	Exceedance
AW-15S	PMP	E004	Cadmium, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15S	PMP	E004	Chloride, total	mg/L	02/12/21 - 02/08/24	13	0	CB around linear reg	21.9	200	Standard	No Exceedance
AW-15S	PMP	E004	Chromium, total	mg/L	02/12/21 - 02/08/24	13	92	CI around median	0.004	0.1	Standard	No Exceedance
AW-15S	PMP	E004	Cobalt, total	mg/L	02/12/21 - 02/08/24	13	92	CI around median	0.002	0.0280	Background	No Exceedance

TABLE 2.
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845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15S	PMP	E004	Fluoride, total	mg/L	02/12/21 - 02/08/24	13	31	CI around median	0.25	4.0	Standard	No Exceedance
AW-15S	PMP	E004	Lead, total	mg/L	02/12/21 - 02/08/24	13	85	CI around median	0.001	0.0330	Background	No Exceedance
AW-15S	PMP	E004	Lithium, total	mg/L	02/12/21 - 02/08/24	13	85	CI around median	0.02	0.0710	Background	No Exceedance
AW-15S	PMP	E004	Mercury, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-15S	PMP	E004	Molybdenum, total	mg/L	02/12/21 - 02/08/24	13	0	CB around linear reg	0.00218	0.1	Standard	No Exceedance
AW-15S	PMP	E004	pH (field)	SU	02/12/21 - 02/08/24	13	0	CI around mean	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-15S	PMP	E004	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/08/24	12	0	CI around mean	0.376	9.60	Background	No Exceedance
AW-15S	PMP	E004	Selenium, total	mg/L	02/12/21 - 02/08/24	13	38	CI around median	0.001	0.05	Standard	No Exceedance
AW-15S	PMP	E004	Sulfate, total	mg/L	02/12/21 - 02/08/24	13	0	CI around mean	520	400	Standard	Exceedance
AW-15S	PMP	E004	Thallium, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15S	PMP	E004	Total Dissolved Solids	mg/L	02/12/21 - 02/08/24	13	0	CI around mean	1,190	1,200	Standard	No Exceedance
AW-16	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-16	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	13	23	CI around mean	0.00116	0.0300	Background	No Exceedance
AW-16	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	0.975	2.07	Background	No Exceedance
AW-16	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-16	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	0.461	2	Standard	No Exceedance
AW-16	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-16	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	49.4	200	Standard	No Exceedance
AW-16	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-16	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-16	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.25	4.0	Standard	No Exceedance
AW-16	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-16	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.032	0.0710	Background	No Exceedance
AW-16	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
AW-16	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.1	Standard	No Exceedance
AW-16	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	13	0	CI around mean	6.6/6.8	6.3/9.0	Background/Standard	No Exceedance
AW-16	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	13	0	CB around linear reg	1.78	9.60	Background	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-16	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-16	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	13	85	CI around median	1	400	Standard	No Exceedance
AW-16	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-16	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	13	0	CI around geomean	1,060	1,200	Standard	No Exceedance
AW-17	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-17	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	0.00227	0.0300	Background	No Exceedance
AW-17	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	1.02	2.07	Background	No Exceedance
AW-17	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-17	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	0.417	2	Standard	No Exceedance
AW-17	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-17	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	52	200	Standard	No Exceedance
AW-17	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.004	0.1	Standard	No Exceedance
AW-17	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.0022	0.0280	Background	No Exceedance
AW-17	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	13	92	CI around median	0.25	4.0	Standard	No Exceedance
AW-17	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.001	0.0330	Background	No Exceedance
AW-17	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	0.00358	0.0710	Background	No Exceedance
AW-17	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
AW-17	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	13	46	CB around linear reg	-1.69e-05	0.1	Standard	No Exceedance
AW-17	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	13	0	CI around mean	6.6/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-17	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	13	0	CI around mean	2.56	9.60	Background	No Exceedance
AW-17	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-17	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	1	400	Standard	No Exceedance
AW-17	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-17	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	835	1,200	Standard	No Exceedance
AW-18	UA	E004	Antimony, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-18	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.00333	0.0300	Background	No Exceedance
AW-18	UA	E004	Barium, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	1.21	2.07	Background	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-18	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-18	UA	E004	Boron, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.594	2	Standard	No Exceedance
AW-18	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-18	UA	E004	Chloride, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	83.7	200	Standard	No Exceedance
AW-18	UA	E004	Chromium, total	mg/L	02/11/21 - 02/07/24	13	92	CI around median	0.004	0.1	Standard	No Exceedance
AW-18	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/07/24	13	77	CI around median	0.002	0.0280	Background	No Exceedance
AW-18	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/07/24	13	54	CI around median	0.25	4.0	Standard	No Exceedance
AW-18	UA	E004	Lead, total	mg/L	02/11/21 - 02/07/24	13	77	CI around median	0.001	0.0330	Background	No Exceedance
AW-18	UA	E004	Lithium, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	-0.0217	0.0710	Background	No Exceedance
AW-18	UA	E004	Mercury, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-18	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	-0.0118	0.1	Standard	No Exceedance
AW-18	UA	E004	pH (field)	SU	02/11/21 - 02/07/24	13	0	CI around mean	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-18	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/07/24	13	0	CI around mean	2.38	9.60	Background	No Exceedance
AW-18	UA	E004	Selenium, total	mg/L	02/11/21 - 02/07/24	13	92	CI around median	0.001	0.05	Standard	No Exceedance
AW-18	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	4.19	400	Standard	No Exceedance
AW-18	UA	E004	Thallium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-18	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	789	1,200	Standard	No Exceedance
AW-19	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-19	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	0.0114	0.0300	Background	No Exceedance
AW-19	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.18	2.07	Background	No Exceedance
AW-19	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-19	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	2.55	2	Standard	Exceedance
AW-19	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-19	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	76.6	200	Standard	No Exceedance
AW-19	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.004	0.1	Standard	No Exceedance
AW-19	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.002	0.0280	Background	No Exceedance
AW-19	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	13	8	CB around linear reg	0.13	4.0	Standard	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-19	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	13	46	CI around median	0.001	0.0330	Background	No Exceedance
AW-19	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.02	0.0710	Background	No Exceedance
AW-19	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-19	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.0035	0.1	Standard	No Exceedance
AW-19	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	13	0	CI around mean	6.7/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-19	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	13	0	CI around mean	0.483	9.60	Background	No Exceedance
AW-19	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-19	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	52.4	400	Standard	No Exceedance
AW-19	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-19	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	560	1,200	Standard	No Exceedance
AW-21	UA	E004	Antimony, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-21	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/07/24	13	23	CI around mean	0.00108	0.0300	Background	No Exceedance
AW-21	UA	E004	Barium, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.0599	2.07	Background	No Exceedance
AW-21	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-21	UA	E004	Boron, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	10.4	2	Standard	Exceedance
AW-21	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-21	UA	E004	Chloride, total	mg/L	02/11/21 - 02/07/24	13	0	CI around median	83	200	Standard	No Exceedance
AW-21	UA	E004	Chromium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-21	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-21	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/07/24	13	8	CB around linear reg	0.0908	4.0	Standard	No Exceedance
AW-21	UA	E004	Lead, total	mg/L	02/11/21 - 02/07/24	13	92	CI around median	0.001	0.0330	Background	No Exceedance
AW-21	UA	E004	Lithium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-21	UA	E004	Mercury, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-21	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.0173	0.1	Standard	No Exceedance
AW-21	UA	E004	pH (field)	SU	02/11/21 - 02/07/24	13	0	CI around median	7.1/7.3	6.3/9.0	Background/Standard	No Exceedance
AW-21	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/07/24	13	0	CI around mean	0.469	9.60	Background	No Exceedance
AW-21	UA	E004	Selenium, total	mg/L	02/11/21 - 02/07/24	13	69	CB around T-S line	0.001	0.05	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-21	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/07/24	13	0	CI around median	230	400	Standard	No Exceedance
AW-21	UA	E004	Thallium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-21	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	639	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:
PMP = Potential Migration Pathway
UA = Uppermost Aquifer
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:
Standard = standard specified in 35 I.A.C. § 845.600(a)(1)
Background = background concentration (see cover page for additional information)

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AP07S	PMP	E005	Antimony, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AP07S	PMP	E005	Arsenic, total	mg/L	02/10/21 - 04/30/24	14	86	CI around median	0.001	0.0300	Background	No Exceedance
AP07S	PMP	E005	Barium, total	mg/L	02/10/21 - 04/30/24	14	0	CI around mean	0.072	2.07	Background	No Exceedance
AP07S	PMP	E005	Beryllium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AP07S	PMP	E005	Boron, total	mg/L	02/10/21 - 04/30/24	14	0	CB around linear reg	8.75	2	Standard	Exceedance
AP07S	PMP	E005	Cadmium, total	mg/L	02/10/21 - 04/30/24	14	86	CI around median	0.001	0.005	Standard	No Exceedance
AP07S	PMP	E005	Chloride, total	mg/L	02/10/21 - 04/30/24	14	0	CI around median	73	200	Standard	No Exceedance
AP07S	PMP	E005	Chromium, total	mg/L	02/10/21 - 04/30/24	14	71	CI around median	0.004	0.1	Standard	No Exceedance
AP07S	PMP	E005	Cobalt, total	mg/L	02/10/21 - 04/30/24	14	7	CI around mean	0.00217	0.0280	Background	No Exceedance
AP07S	PMP	E005	Fluoride, total	mg/L	02/10/21 - 04/30/24	14	71	CI around median	0.25	4.0	Standard	No Exceedance
AP07S	PMP	E005	Lead, total	mg/L	02/10/21 - 04/30/24	14	64	CI around median	0.001	0.0330	Background	No Exceedance
AP07S	PMP	E005	Lithium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AP07S	PMP	E005	Mercury, total	mg/L	02/10/21 - 04/30/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
AP07S	PMP	E005	Molybdenum, total	mg/L	02/10/21 - 04/30/24	14	50	CI around median	0.001	0.1	Standard	No Exceedance
AP07S	PMP	E005	pH (field)	SU	02/10/21 - 04/30/24	14	0	CI around mean	6.6/7.0	6.3/9.0	Background/Standard	No Exceedance
AP07S	PMP	E005	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 04/30/24	14	0	CI around mean	0.567	9.60	Background	No Exceedance
AP07S	PMP	E005	Selenium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AP07S	PMP	E005	Sulfate, total	mg/L	02/10/21 - 04/30/24	14	0	CI around mean	227	400	Standard	No Exceedance
AP07S	PMP	E005	Thallium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AP07S	PMP	E005	Total Dissolved Solids	mg/L	02/10/21 - 04/30/24	14	0	CI around mean	834	1,200	Standard	No Exceedance
AW-01	PMP	E005	Antimony, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-01	PMP	E005	Arsenic, total	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	0.00263	0.0300	Background	No Exceedance
AW-01	PMP	E005	Barium, total	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	0.0979	2.07	Background	No Exceedance
AW-01	PMP	E005	Beryllium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-01	PMP	E005	Boron, total	mg/L	11/18/22 - 04/30/24	9	0	CI around median	0.072	2	Standard	No Exceedance
AW-01	PMP	E005	Cadmium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-01	PMP	E005	Chloride, total	mg/L	11/18/22 - 04/30/24	9	0	CI around median	10	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-01	PMP	E005	Chromium, total	mg/L	11/18/22 - 04/30/24	9	78	CI around median	0.004	0.1	Standard	No Exceedance
AW-01	PMP	E005	Cobalt, total	mg/L	11/18/22 - 04/30/24	9	22	CI around mean	0.00251	0.0280	Background	No Exceedance
AW-01	PMP	E005	Fluoride, total	mg/L	11/18/22 - 04/30/24	9	56	CI around median	0.25	4.0	Standard	No Exceedance
AW-01	PMP	E005	Lead, total	mg/L	11/18/22 - 04/30/24	9	78	CI around median	0.001	0.0330	Background	No Exceedance
AW-01	PMP	E005	Lithium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-01	PMP	E005	Mercury, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-01	PMP	E005	Molybdenum, total	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	0.00275	0.1	Standard	No Exceedance
AW-01	PMP	E005	pH (field)	SU	11/18/22 - 04/30/24	9	0	CI around mean	6.7/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-01	PMP	E005	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 04/30/24	9	0	CI around median	0.288	9.60	Background	No Exceedance
AW-01	PMP	E005	Selenium, total	mg/L	11/18/22 - 04/30/24	9	89	CI around median	0.001	0.05	Standard	No Exceedance
AW-01	PMP	E005	Sulfate, total	mg/L	11/18/22 - 04/30/24	9	0	CI around median	41	400	Standard	No Exceedance
AW-01	PMP	E005	Thallium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-01	PMP	E005	Total Dissolved Solids	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	740	1,200	Standard	No Exceedance
AW-05	UA	E005	Antimony, total	mg/L	11/09/15 - 04/30/24	18	94	Most recent sample	0.003	0.006	Standard	No Exceedance
AW-05	UA	E005	Arsenic, total	mg/L	11/09/15 - 04/30/24	18	0	CI around median	0.0035	0.0300	Background	No Exceedance
AW-05	UA	E005	Barium, total	mg/L	11/09/15 - 04/30/24	18	0	CI around geomean	0.137	2.07	Background	No Exceedance
AW-05	UA	E005	Beryllium, total	mg/L	11/09/15 - 04/30/24	17	88	CI around median	0.001	0.004	Standard	No Exceedance
AW-05	UA	E005	Boron, total	mg/L	11/09/15 - 04/30/24	19	0	CB around T-S line	2.97	2	Standard	Exceedance
AW-05	UA	E005	Cadmium, total	mg/L	11/09/15 - 04/30/24	18	89	CI around median	0.001	0.005	Standard	No Exceedance
AW-05	UA	E005	Chloride, total	mg/L	11/09/15 - 04/30/24	19	0	CB around linear reg	-121	200	Standard	No Exceedance
AW-05	UA	E005	Chromium, total	mg/L	11/09/15 - 04/30/24	18	33	CI around geomean	0.00559	0.1	Standard	No Exceedance
AW-05	UA	E005	Cobalt, total	mg/L	11/09/15 - 04/30/24	18	17	CI around geomean	0.0035	0.0280	Background	No Exceedance
AW-05	UA	E005	Fluoride, total	mg/L	11/09/15 - 04/30/24	19	58	CI around median	0.25	4.0	Standard	No Exceedance
AW-05	UA	E005	Lead, total	mg/L	11/09/15 - 04/30/24	17	29	CI around geomean	0.0018	0.0330	Background	No Exceedance
AW-05	UA	E005	Lithium, total	mg/L	11/09/15 - 04/30/24	18	33	CI around median	0.02	0.0710	Background	No Exceedance
AW-05	UA	E005	Mercury, total	mg/L	11/09/15 - 04/30/24	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
AW-05	UA	E005	Molybdenum, total	mg/L	11/09/15 - 04/30/24	18	0	CI around mean	0.00206	0.1	Standard	No Exceedance

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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
AW-05	UA	E005	pH (field)	SU	11/09/15 - 04/30/24	19	0	CI around mean	6.9/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-05	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 04/30/24	18	0	CI around mean	0.746	9.60	Background	No Exceedance
AW-05	UA	E005	Selenium, total	mg/L	11/09/15 - 04/30/24	18	56	CI around median	0.001	0.05	Standard	No Exceedance
AW-05	UA	E005	Sulfate, total	mg/L	11/09/15 - 04/30/24	19	0	CI around median	280	400	Standard	No Exceedance
AW-05	UA	E005	Thallium, total	mg/L	11/09/15 - 04/30/24	17	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-05	UA	E005	Total Dissolved Solids	mg/L	11/09/15 - 04/30/24	19	0	CI around mean	1,030	1,200	Standard	No Exceedance
AW-06	UA	E005	Antimony, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-06	UA	E005	Arsenic, total	mg/L	11/10/15 - 05/02/24	24	0	CI around geomean	0.00323	0.0300	Background	No Exceedance
AW-06	UA	E005	Barium, total	mg/L	11/10/15 - 05/02/24	24	0	CI around median	0.18	2.07	Background	No Exceedance
AW-06	UA	E005	Beryllium, total	mg/L	11/10/15 - 05/02/24	24	88	CI around median	0.001	0.004	Standard	No Exceedance
AW-06	UA	E005	Boron, total	mg/L	11/10/15 - 05/02/24	25	0	CB around linear reg	0.0564	2	Standard	No Exceedance
AW-06	UA	E005	Cadmium, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-06	UA	E005	Chloride, total	mg/L	11/10/15 - 05/02/24	25	0	CB around T-S line	13.9	200	Standard	No Exceedance
AW-06	UA	E005	Chromium, total	mg/L	11/10/15 - 05/02/24	24	54	CI around median	0.004	0.1	Standard	No Exceedance
AW-06	UA	E005	Cobalt, total	mg/L	11/10/15 - 05/02/24	24	58	CI around median	0.002	0.0280	Background	No Exceedance
AW-06	UA	E005	Fluoride, total	mg/L	11/10/15 - 05/02/24	25	8	CB around T-S line	0.197	4.0	Standard	No Exceedance
AW-06	UA	E005	Lead, total	mg/L	11/10/15 - 05/02/24	24	38	CI around median	0.001	0.0330	Background	No Exceedance
AW-06	UA	E005	Lithium, total	mg/L	11/10/15 - 05/02/24	24	50	CI around median	0.02	0.0710	Background	No Exceedance
AW-06	UA	E005	Mercury, total	mg/L	11/10/15 - 05/02/24	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-06	UA	E005	Molybdenum, total	mg/L	11/10/15 - 05/02/24	24	0	CI around mean	0.00492	0.1	Standard	No Exceedance
AW-06	UA	E005	pH (field)	SU	11/10/15 - 05/02/24	25	0	CI around median	7.1/7.3	6.3/9.0	Background/Standard	No Exceedance
AW-06	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 05/02/24	24	0	CI around mean	0.747	9.60	Background	No Exceedance
AW-06	UA	E005	Selenium, total	mg/L	11/10/15 - 05/02/24	24	75	CI around median	0.001	0.05	Standard	No Exceedance
AW-06	UA	E005	Sulfate, total	mg/L	11/10/15 - 05/02/24	25	0	CB around linear reg	17.7	400	Standard	No Exceedance
AW-06	UA	E005	Thallium, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-06	UA	E005	Total Dissolved Solids	mg/L	11/10/15 - 05/02/24	25	0	CI around mean	514	1,200	Standard	No Exceedance
AW-09	UA	E005	Antimony, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance

TABLE 2.
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EDWARDS POWER PLANT
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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
AW-09	UA	E005	Arsenic, total	mg/L	11/10/15 - 05/02/24	24	12	CI around mean	0.0119	0.0300	Background	No Exceedance
AW-09	UA	E005	Barium, total	mg/L	11/10/15 - 05/02/24	24	0	CI around geomean	0.296	2.07	Background	No Exceedance
AW-09	UA	E005	Beryllium, total	mg/L	11/10/15 - 05/02/24	24	83	CB around T-S line	-0.000284	0.004	Standard	No Exceedance
AW-09	UA	E005	Boron, total	mg/L	11/10/15 - 05/02/24	25	0	CB around linear reg	-0.0858	2	Standard	No Exceedance
AW-09	UA	E005	Cadmium, total	mg/L	11/10/15 - 05/02/24	19	90	CI around median	0.001	0.005	Standard	No Exceedance
AW-09	UA	E005	Chloride, total	mg/L	11/10/15 - 05/02/24	25	0	CI around median	27	200	Standard	No Exceedance
AW-09	UA	E005	Chromium, total	mg/L	11/10/15 - 05/02/24	24	58	CB around T-S line	-0.0427	0.1	Standard	No Exceedance
AW-09	UA	E005	Cobalt, total	mg/L	11/10/15 - 05/02/24	24	4	CB around T-S line	-0.0219	0.0280	Background	No Exceedance
AW-09	UA	E005	Fluoride, total	mg/L	11/10/15 - 05/02/24	25	64	CB around T-S line	0.179	4.0	Standard	No Exceedance
AW-09	UA	E005	Lead, total	mg/L	11/10/15 - 05/02/24	24	46	CB around T-S line	-0.0235	0.0330	Background	No Exceedance
AW-09	UA	E005	Lithium, total	mg/L	11/10/15 - 05/02/24	24	38	CB around T-S line	-0.039	0.0710	Background	No Exceedance
AW-09	UA	E005	Mercury, total	mg/L	11/10/15 - 05/02/24	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-09	UA	E005	Molybdenum, total	mg/L	11/10/15 - 05/02/24	24	0	CI around mean	0.0143	0.1	Standard	No Exceedance
AW-09	UA	E005	pH (field)	SU	11/10/15 - 05/02/24	25	0	CB around linear reg	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance
AW-09	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 05/02/24	24	0	CI around median	0.771	9.60	Background	No Exceedance
AW-09	UA	E005	Selenium, total	mg/L	11/10/15 - 05/02/24	24	67	CB around T-S line	-0.00143	0.05	Standard	No Exceedance
AW-09	UA	E005	Sulfate, total	mg/L	11/10/15 - 05/02/24	25	56	CB around T-S line	-24.4	400	Standard	No Exceedance
AW-09	UA	E005	Thallium, total	mg/L	11/10/15 - 05/02/24	19	95	CI around median	0.001	0.002	Standard	No Exceedance
AW-09	UA	E005	Total Dissolved Solids	mg/L	11/10/15 - 05/02/24	25	0	CB around T-S line	756	1,200	Standard	No Exceedance
AW-10	UA	E005	Antimony, total	mg/L	11/09/15 - 05/02/24	20	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-10	UA	E005	Arsenic, total	mg/L	11/09/15 - 05/02/24	25	0	CI around median	0.0099	0.0300	Background	No Exceedance
AW-10	UA	E005	Barium, total	mg/L	11/09/15 - 05/02/24	25	0	CI around median	0.93	2.07	Background	No Exceedance
AW-10	UA	E005	Beryllium, total	mg/L	11/09/15 - 05/02/24	25	76	CI around median	0.001	0.004	Standard	No Exceedance
AW-10	UA	E005	Boron, total	mg/L	11/09/15 - 05/02/24	26	0	CI around mean	0.462	2	Standard	No Exceedance
AW-10	UA	E005	Cadmium, total	mg/L	11/09/15 - 05/02/24	20	95	CI around median	0.001	0.005	Standard	No Exceedance
AW-10	UA	E005	Chloride, total	mg/L	11/09/15 - 05/02/24	26	0	CI around geomean	87.1	200	Standard	No Exceedance
AW-10	UA	E005	Chromium, total	mg/L	11/09/15 - 05/02/24	25	32	CI around median	0.004	0.1	Standard	No Exceedance

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845 QUARTERLY REPORT
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ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-10	UA	E005	Cobalt, total	mg/L	11/09/15 - 05/02/24	25	4	CI around geomean	0.00393	0.0280	Background	No Exceedance
AW-10	UA	E005	Fluoride, total	mg/L	11/09/15 - 05/02/24	26	96	CI around median	0.25	4.0	Standard	No Exceedance
AW-10	UA	E005	Lead, total	mg/L	11/09/15 - 05/02/24	25	12	CI around geomean	0.0021	0.0330	Background	No Exceedance
AW-10	UA	E005	Lithium, total	mg/L	11/09/15 - 05/02/24	25	0	CB around T-S line	-0.02	0.0710	Background	No Exceedance
AW-10	UA	E005	Mercury, total	mg/L	11/09/15 - 05/02/24	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-10	UA	E005	Molybdenum, total	mg/L	11/09/15 - 05/02/24	25	24	CI around median	0.0011	0.1	Standard	No Exceedance
AW-10	UA	E005	pH (field)	SU	11/09/15 - 05/02/24	27	0	CI around mean	6.9/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-10	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 05/02/24	25	0	CI around mean	2.32	9.60	Background	No Exceedance
AW-10	UA	E005	Selenium, total	mg/L	11/09/15 - 05/02/24	25	64	CI around median	0.001	0.05	Standard	No Exceedance
AW-10	UA	E005	Sulfate, total	mg/L	11/09/15 - 05/02/24	26	81	CB around T-S line	0.825	400	Standard	No Exceedance
AW-10	UA	E005	Thallium, total	mg/L	11/09/15 - 05/02/24	20	95	CI around median	0.001	0.002	Standard	No Exceedance
AW-10	UA	E005	Total Dissolved Solids	mg/L	11/09/15 - 05/02/24	26	0	CB around T-S line	1,100	1,200	Standard	No Exceedance
AW-11	UA	E005	Antimony, total	mg/L	11/09/15 - 05/01/24	19	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-11	UA	E005	Arsenic, total	mg/L	11/09/15 - 05/01/24	24	0	CI around geomean	0.00897	0.0300	Background	No Exceedance
AW-11	UA	E005	Barium, total	mg/L	11/09/15 - 05/01/24	24	0	CI around geomean	0.871	2.07	Background	No Exceedance
AW-11	UA	E005	Beryllium, total	mg/L	11/09/15 - 05/01/24	24	79	CI around median	0.001	0.004	Standard	No Exceedance
AW-11	UA	E005	Boron, total	mg/L	11/09/15 - 05/01/24	25	0	CI around mean	0.224	2	Standard	No Exceedance
AW-11	UA	E005	Cadmium, total	mg/L	11/09/15 - 05/01/24	19	84	CI around median	0.001	0.005	Standard	No Exceedance
AW-11	UA	E005	Chloride, total	mg/L	11/09/15 - 05/01/24	25	0	CI around mean	31.3	200	Standard	No Exceedance
AW-11	UA	E005	Chromium, total	mg/L	11/09/15 - 05/01/24	24	54	CB around T-S line	-0.018	0.1	Standard	No Exceedance
AW-11	UA	E005	Cobalt, total	mg/L	11/09/15 - 05/01/24	24	29	CB around T-S line	-0.00886	0.0280	Background	No Exceedance
AW-11	UA	E005	Fluoride, total	mg/L	11/09/15 - 05/01/24	25	88	CI around median	0.25	4.0	Standard	No Exceedance
AW-11	UA	E005	Lead, total	mg/L	11/09/15 - 05/01/24	24	38	CB around T-S line	-0.0111	0.0330	Background	No Exceedance
AW-11	UA	E005	Lithium, total	mg/L	11/09/15 - 05/01/24	24	17	CB around T-S line	-0.0136	0.0710	Background	No Exceedance
AW-11	UA	E005	Mercury, total	mg/L	11/09/15 - 05/01/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-11	UA	E005	Molybdenum, total	mg/L	11/09/15 - 05/01/24	24	8	CB around linear reg	-0.00126	0.1	Standard	No Exceedance
AW-11	UA	E005	pH (field)	SU	11/09/15 - 05/01/24	25	0	CI around median	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-11	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 05/01/24	24	0	CI around geomean	1.57	9.60	Background	No Exceedance
AW-11	UA	E005	Selenium, total	mg/L	11/09/15 - 05/01/24	24	71	CB around T-S line	0.000173	0.05	Standard	No Exceedance
AW-11	UA	E005	Sulfate, total	mg/L	11/09/15 - 05/01/24	25	68	CB around T-S line	0.14	400	Standard	No Exceedance
AW-11	UA	E005	Thallium, total	mg/L	11/09/15 - 05/01/24	19	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-11	UA	E005	Total Dissolved Solids	mg/L	11/09/15 - 05/01/24	25	0	CB around T-S line	938	1,200	Standard	No Exceedance
AW-14	UA	E005	Antimony, total	mg/L	02/11/21 - 05/01/24	13	92	CI around median	0.003	0.006	Standard	No Exceedance
AW-14	UA	E005	Arsenic, total	mg/L	02/11/21 - 05/01/24	13	0	CB around linear reg	-0.000327	0.0300	Background	No Exceedance
AW-14	UA	E005	Barium, total	mg/L	02/11/21 - 05/01/24	13	0	CI around mean	0.625	2.07	Background	No Exceedance
AW-14	UA	E005	Beryllium, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-14	UA	E005	Boron, total	mg/L	02/11/21 - 05/01/24	13	0	CI around median	0.17	2	Standard	No Exceedance
AW-14	UA	E005	Cadmium, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-14	UA	E005	Chloride, total	mg/L	02/11/21 - 05/01/24	13	0	CI around geomean	23.6	200	Standard	No Exceedance
AW-14	UA	E005	Chromium, total	mg/L	02/11/21 - 05/01/24	13	92	CI around median	0.004	0.1	Standard	No Exceedance
AW-14	UA	E005	Cobalt, total	mg/L	02/11/21 - 05/01/24	13	23	CB around linear reg	-0.00171	0.0280	Background	No Exceedance
AW-14	UA	E005	Fluoride, total	mg/L	02/11/21 - 05/01/24	13	85	CI around median	0.25	4.0	Standard	No Exceedance
AW-14	UA	E005	Lead, total	mg/L	02/11/21 - 05/01/24	13	69	CI around median	0.001	0.0330	Background	No Exceedance
AW-14	UA	E005	Lithium, total	mg/L	02/11/21 - 05/01/24	13	62	CI around median	0.02	0.0710	Background	No Exceedance
AW-14	UA	E005	Mercury, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-14	UA	E005	Molybdenum, total	mg/L	02/11/21 - 05/01/24	13	23	CI around geomean	0.00151	0.1	Standard	No Exceedance
AW-14	UA	E005	pH (field)	SU	02/11/21 - 05/01/24	13	0	CI around mean	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-14	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 05/01/24	13	0	CI around mean	1.94	9.60	Background	No Exceedance
AW-14	UA	E005	Selenium, total	mg/L	02/11/21 - 05/01/24	13	85	CI around median	0.001	0.05	Standard	No Exceedance
AW-14	UA	E005	Sulfate, total	mg/L	02/11/21 - 05/01/24	13	15	CI around geomean	2.18	400	Standard	No Exceedance
AW-14	UA	E005	Thallium, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-14	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 05/01/24	13	0	CI around mean	921	1,200	Standard	No Exceedance
AW-15	UA	E005	Antimony, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15	UA	E005	Arsenic, total	mg/L	02/12/21 - 05/01/24	11	9	CI around mean	0.00147	0.0300	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15	UA	E005	Barium, total	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	1.65	2.07	Background	No Exceedance
AW-15	UA	E005	Beryllium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-15	UA	E005	Boron, total	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	0.347	2	Standard	No Exceedance
AW-15	UA	E005	Cadmium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15	UA	E005	Chloride, total	mg/L	02/12/21 - 05/01/24	11	0	CB around linear reg	25.5	200	Standard	No Exceedance
AW-15	UA	E005	Chromium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-15	UA	E005	Cobalt, total	mg/L	02/12/21 - 05/01/24	11	91	CI around median	0.002	0.0280	Background	No Exceedance
AW-15	UA	E005	Fluoride, total	mg/L	02/12/21 - 05/01/24	11	82	CI around median	0.25	4.0	Standard	No Exceedance
AW-15	UA	E005	Lead, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-15	UA	E005	Lithium, total	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	0.0286	0.0710	Background	No Exceedance
AW-15	UA	E005	Mercury, total	mg/L	02/12/21 - 05/01/24	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
AW-15	UA	E005	Molybdenum, total	mg/L	02/12/21 - 05/01/24	11	82	CI around median	0.001	0.1	Standard	No Exceedance
AW-15	UA	E005	pH (field)	SU	02/12/21 - 05/01/24	10	0	CI around mean	6.7/6.9	6.3/9.0	Background/Standard	No Exceedance
AW-15	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 05/01/24	11	0	CI around mean	3.54	9.60	Background	No Exceedance
AW-15	UA	E005	Selenium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-15	UA	E005	Sulfate, total	mg/L	02/12/21 - 05/01/24	11	91	Most recent sample	1	400	Standard	No Exceedance
AW-15	UA	E005	Thallium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15	UA	E005	Total Dissolved Solids	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	926	1,200	Standard	No Exceedance
AW-15S	PMP	E005	Antimony, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15S	PMP	E005	Arsenic, total	mg/L	02/12/21 - 05/01/24	14	64	CI around median	0.001	0.0300	Background	No Exceedance
AW-15S	PMP	E005	Barium, total	mg/L	02/12/21 - 05/01/24	14	0	CB around T-S line	-0.069	2.07	Background	No Exceedance
AW-15S	PMP	E005	Beryllium, total	mg/L	02/12/21 - 05/01/24	14	93	CI around median	0.001	0.004	Standard	No Exceedance
AW-15S	PMP	E005	Boron, total	mg/L	02/12/21 - 05/01/24	14	0	CI around mean	5.54	2	Standard	Exceedance
AW-15S	PMP	E005	Cadmium, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15S	PMP	E005	Chloride, total	mg/L	02/12/21 - 05/01/24	14	0	CB around linear reg	21.7	200	Standard	No Exceedance
AW-15S	PMP	E005	Chromium, total	mg/L	02/12/21 - 05/01/24	14	93	CI around median	0.004	0.1	Standard	No Exceedance
AW-15S	PMP	E005	Cobalt, total	mg/L	02/12/21 - 05/01/24	14	93	CI around median	0.002	0.0280	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15S	PMP	E005	Fluoride, total	mg/L	02/12/21 - 05/01/24	14	36	CI around median	0.25	4.0	Standard	No Exceedance
AW-15S	PMP	E005	Lead, total	mg/L	02/12/21 - 05/01/24	14	86	CI around median	0.001	0.0330	Background	No Exceedance
AW-15S	PMP	E005	Lithium, total	mg/L	02/12/21 - 05/01/24	14	86	CI around median	0.02	0.0710	Background	No Exceedance
AW-15S	PMP	E005	Mercury, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-15S	PMP	E005	Molybdenum, total	mg/L	02/12/21 - 05/01/24	14	0	CB around linear reg	0.00212	0.1	Standard	No Exceedance
AW-15S	PMP	E005	pH (field)	SU	02/12/21 - 05/01/24	14	0	CI around mean	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-15S	PMP	E005	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 05/01/24	13	0	CI around mean	0.42	9.60	Background	No Exceedance
AW-15S	PMP	E005	Selenium, total	mg/L	02/12/21 - 05/01/24	14	43	CI around median	0.001	0.05	Standard	No Exceedance
AW-15S	PMP	E005	Sulfate, total	mg/L	02/12/21 - 05/01/24	14	0	CI around mean	522	400	Standard	Exceedance
AW-15S	PMP	E005	Thallium, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15S	PMP	E005	Total Dissolved Solids	mg/L	02/12/21 - 05/01/24	14	0	CI around mean	1,210	1,200	Standard	Exceedance
AW-16	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-16	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	21	CI around mean	0.00113	0.0300	Background	No Exceedance
AW-16	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	0.999	2.07	Background	No Exceedance
AW-16	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-16	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.458	2	Standard	No Exceedance
AW-16	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-16	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	43	200	Standard	No Exceedance
AW-16	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-16	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-16	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.25	4.0	Standard	No Exceedance
AW-16	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-16	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around T-S line	0.019	0.0710	Background	No Exceedance
AW-16	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
AW-16	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.1	Standard	No Exceedance
AW-16	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around mean	6.6/6.8	6.3/9.0	Background/Standard	No Exceedance
AW-16	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CB around linear reg	1.57	9.60	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-16	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-16	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	86	CI around median	1	400	Standard	No Exceedance
AW-16	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-16	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	1,070	1,200	Standard	No Exceedance
AW-17	UA	E005	Antimony, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-17	UA	E005	Arsenic, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	0.00436	0.0300	Background	No Exceedance
AW-17	UA	E005	Barium, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	1.03	2.07	Background	No Exceedance
AW-17	UA	E005	Beryllium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-17	UA	E005	Boron, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	0.416	2	Standard	No Exceedance
AW-17	UA	E005	Cadmium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-17	UA	E005	Chloride, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	51.8	200	Standard	No Exceedance
AW-17	UA	E005	Chromium, total	mg/L	02/11/21 - 05/01/24	14	71	CI around median	0.004	0.1	Standard	No Exceedance
AW-17	UA	E005	Cobalt, total	mg/L	02/11/21 - 05/01/24	14	0	CI around median	0.0022	0.0280	Background	No Exceedance
AW-17	UA	E005	Fluoride, total	mg/L	02/11/21 - 05/01/24	14	93	CI around median	0.25	4.0	Standard	No Exceedance
AW-17	UA	E005	Lead, total	mg/L	02/11/21 - 05/01/24	14	71	CI around median	0.001	0.0330	Background	No Exceedance
AW-17	UA	E005	Lithium, total	mg/L	02/11/21 - 05/01/24	14	0	CB around linear reg	0.00612	0.0710	Background	No Exceedance
AW-17	UA	E005	Mercury, total	mg/L	02/11/21 - 05/01/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
AW-17	UA	E005	Molybdenum, total	mg/L	02/11/21 - 05/01/24	14	50	CB around linear reg	6.1e-05	0.1	Standard	No Exceedance
AW-17	UA	E005	pH (field)	SU	02/11/21 - 05/01/24	14	0	CI around mean	6.6/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-17	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 05/01/24	14	0	CI around mean	2.43	9.60	Background	No Exceedance
AW-17	UA	E005	Selenium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-17	UA	E005	Sulfate, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	1	400	Standard	No Exceedance
AW-17	UA	E005	Thallium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-17	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	841	1,200	Standard	No Exceedance
AW-18	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-18	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.00332	0.0300	Background	No Exceedance
AW-18	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	1.23	2.07	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-18	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-18	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.606	2	Standard	No Exceedance
AW-18	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-18	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	85.8	200	Standard	No Exceedance
AW-18	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.004	0.1	Standard	No Exceedance
AW-18	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	79	CI around median	0.002	0.0280	Background	No Exceedance
AW-18	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	57	CB around T-S line	-4.17	4.0	Standard	No Exceedance
AW-18	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	79	CI around median	0.001	0.0330	Background	No Exceedance
AW-18	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	-0.0197	0.0710	Background	No Exceedance
AW-18	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-18	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	-0.0109	0.1	Standard	No Exceedance
AW-18	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around mean	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-18	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CI around mean	2.45	9.60	Background	No Exceedance
AW-18	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.001	0.05	Standard	No Exceedance
AW-18	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	0	CI around geomean	4.19	400	Standard	No Exceedance
AW-18	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-18	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	797	1,200	Standard	No Exceedance
AW-19	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-19	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.0116	0.0300	Background	No Exceedance
AW-19	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CI around median	0.18	2.07	Background	No Exceedance
AW-19	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-19	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	2.57	2	Standard	Exceedance
AW-19	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-19	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	76.2	200	Standard	No Exceedance
AW-19	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	71	CI around median	0.004	0.1	Standard	No Exceedance
AW-19	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	71	CI around median	0.002	0.0280	Background	No Exceedance
AW-19	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	14	CB around linear reg	0.0989	4.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-19	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	50	CI around median	0.001	0.0330	Background	No Exceedance
AW-19	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	71	CI around median	0.02	0.0710	Background	No Exceedance
AW-19	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-19	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	0	CI around median	0.0035	0.1	Standard	No Exceedance
AW-19	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around mean	6.8/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-19	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CI around mean	0.443	9.60	Background	No Exceedance
AW-19	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-19	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	53.6	400	Standard	No Exceedance
AW-19	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-19	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	617	1,200	Standard	No Exceedance
AW-21	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-21	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	21	CI around geomean	0.00112	0.0300	Background	No Exceedance
AW-21	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.0611	2.07	Background	No Exceedance
AW-21	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-21	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	10.3	2	Standard	Exceedance
AW-21	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-21	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	64.1	200	Standard	No Exceedance
AW-21	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-21	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-21	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	7	CB around linear reg	0.103	4.0	Standard	No Exceedance
AW-21	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.001	0.0330	Background	No Exceedance
AW-21	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-21	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-21	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.0177	0.1	Standard	No Exceedance
AW-21	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around geomean	6.9/7.7	6.3/9.0	Background/Standard	No Exceedance
AW-21	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CI around mean	0.495	9.60	Background	No Exceedance
AW-21	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	64	CB around T-S line	0.001	0.05	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-21	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	0	CI around median	220	400	Standard	No Exceedance
AW-21	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-21	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	646	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:
PMP = Potential Migration Pathway
UA = Uppermost Aquifer
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:
Standard = standard specified in 35 I.A.C. § 845.600(a)(1)
Background = background concentration (see cover page for additional information)

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AP07S	PMP	E006	Antimony, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AP07S	PMP	E006	Arsenic, total	mg/L	02/10/21 - 07/16/24	15	87	CI around median	0.001	0.0300	Background	No Exceedance
AP07S	PMP	E006	Barium, total	mg/L	02/10/21 - 07/16/24	15	0	CI around mean	0.0717	2.07	Background	No Exceedance
AP07S	PMP	E006	Beryllium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AP07S	PMP	E006	Boron, total	mg/L	02/10/21 - 07/16/24	15	0	CB around linear reg	10.6	2	Standard	Exceedance
AP07S	PMP	E006	Cadmium, total	mg/L	02/10/21 - 07/16/24	15	87	CI around median	0.001	0.005	Standard	No Exceedance
AP07S	PMP	E006	Chloride, total	mg/L	02/10/21 - 07/16/24	15	0	CI around median	73	200	Standard	No Exceedance
AP07S	PMP	E006	Chromium, total	mg/L	02/10/21 - 07/16/24	15	73	CI around median	0.004	0.1	Standard	No Exceedance
AP07S	PMP	E006	Cobalt, total	mg/L	02/10/21 - 07/16/24	15	13	CI around mean	0.00203	0.0280	Background	No Exceedance
AP07S	PMP	E006	Fluoride, total	mg/L	02/10/21 - 07/16/24	15	67	CI around median	0.25	4.0	Standard	No Exceedance
AP07S	PMP	E006	Lead, total	mg/L	02/10/21 - 07/16/24	15	67	CI around median	0.001	0.0330	Background	No Exceedance
AP07S	PMP	E006	Lithium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AP07S	PMP	E006	Mercury, total	mg/L	02/10/21 - 07/16/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
AP07S	PMP	E006	Molybdenum, total	mg/L	02/10/21 - 07/16/24	15	53	CI around median	0.001	0.1	Standard	No Exceedance
AP07S	PMP	E006	pH (field)	SU	02/10/21 - 07/16/24	15	0	CI around mean	6.6/7.0	6.3/9.0	Background/Standard	No Exceedance
AP07S	PMP	E006	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 07/16/24	15	0	CI around mean	0.602	9.60	Background	No Exceedance
AP07S	PMP	E006	Selenium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AP07S	PMP	E006	Sulfate, total	mg/L	02/10/21 - 07/16/24	15	0	CI around mean	242	400	Standard	No Exceedance
AP07S	PMP	E006	Thallium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AP07S	PMP	E006	Total Dissolved Solids	mg/L	02/10/21 - 07/16/24	15	0	CI around mean	874	1,200	Standard	No Exceedance
AW-01	PMP	E006	Antimony, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-01	PMP	E006	Arsenic, total	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	0.00319	0.0300	Background	No Exceedance
AW-01	PMP	E006	Barium, total	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	0.101	2.07	Background	No Exceedance
AW-01	PMP	E006	Beryllium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-01	PMP	E006	Boron, total	mg/L	11/18/22 - 07/16/24	10	0	CI around median	0.072	2	Standard	No Exceedance
AW-01	PMP	E006	Cadmium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-01	PMP	E006	Chloride, total	mg/L	11/18/22 - 07/16/24	10	0	CI around median	9.6	200	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-01	PMP	E006	Chromium, total	mg/L	11/18/22 - 07/16/24	10	80	CI around median	0.004	0.1	Standard	No Exceedance
AW-01	PMP	E006	Cobalt, total	mg/L	11/18/22 - 07/16/24	10	20	CI around mean	0.00264	0.0280	Background	No Exceedance
AW-01	PMP	E006	Fluoride, total	mg/L	11/18/22 - 07/16/24	10	50	CI around median	0.25	4.0	Standard	No Exceedance
AW-01	PMP	E006	Lead, total	mg/L	11/18/22 - 07/16/24	10	80	CI around median	0.001	0.0330	Background	No Exceedance
AW-01	PMP	E006	Lithium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-01	PMP	E006	Mercury, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-01	PMP	E006	Molybdenum, total	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	0.00282	0.1	Standard	No Exceedance
AW-01	PMP	E006	pH (field)	SU	11/18/22 - 07/16/24	10	0	CI around mean	6.7/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-01	PMP	E006	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 07/16/24	10	0	CI around mean	-0.00342	9.60	Background	No Exceedance
AW-01	PMP	E006	Selenium, total	mg/L	11/18/22 - 07/16/24	10	90	CI around median	0.001	0.05	Standard	No Exceedance
AW-01	PMP	E006	Sulfate, total	mg/L	11/18/22 - 07/16/24	10	0	CI around median	41	400	Standard	No Exceedance
AW-01	PMP	E006	Thallium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-01	PMP	E006	Total Dissolved Solids	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	748	1,200	Standard	No Exceedance
AW-05	UA	E006	Antimony, total	mg/L	11/09/15 - 07/16/24	19	95	Most recent sample	0.003	0.006	Standard	No Exceedance
AW-05	UA	E006	Arsenic, total	mg/L	11/09/15 - 07/16/24	19	0	CI around median	0.0033	0.0300	Background	No Exceedance
AW-05	UA	E006	Barium, total	mg/L	11/09/15 - 07/16/24	19	0	CB around linear reg	-0.0179	2.07	Background	No Exceedance
AW-05	UA	E006	Beryllium, total	mg/L	11/09/15 - 07/16/24	18	89	CI around median	0.001	0.004	Standard	No Exceedance
AW-05	UA	E006	Boron, total	mg/L	11/09/15 - 07/16/24	20	0	CB around T-S line	3.51	2	Standard	Exceedance
AW-05	UA	E006	Cadmium, total	mg/L	11/09/15 - 07/16/24	19	90	CI around median	0.001	0.005	Standard	No Exceedance
AW-05	UA	E006	Chloride, total	mg/L	11/09/15 - 07/16/24	20	0	CB around T-S line	-81	200	Standard	No Exceedance
AW-05	UA	E006	Chromium, total	mg/L	11/09/15 - 07/16/24	19	37	CI around median	0.004	0.1	Standard	No Exceedance
AW-05	UA	E006	Cobalt, total	mg/L	11/09/15 - 07/16/24	19	21	CI around geomean	0.00334	0.0280	Background	No Exceedance
AW-05	UA	E006	Fluoride, total	mg/L	11/09/15 - 07/16/24	20	60	CI around median	0.25	4.0	Standard	No Exceedance
AW-05	UA	E006	Lead, total	mg/L	11/09/15 - 07/16/24	18	33	CI around geomean	0.00171	0.0330	Background	No Exceedance
AW-05	UA	E006	Lithium, total	mg/L	11/09/15 - 07/16/24	19	37	CB around T-S line	-0.00263	0.0710	Background	No Exceedance
AW-05	UA	E006	Mercury, total	mg/L	11/09/15 - 07/16/24	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-05	UA	E006	Molybdenum, total	mg/L	11/09/15 - 07/16/24	19	0	CI around mean	0.00205	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-05	UA	E006	pH (field)	SU	11/09/15 - 07/16/24	20	0	CI around mean	6.9/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-05	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/16/24	19	0	CI around mean	0.763	9.60	Background	No Exceedance
AW-05	UA	E006	Selenium, total	mg/L	11/09/15 - 07/16/24	19	58	CI around median	0.001	0.05	Standard	No Exceedance
AW-05	UA	E006	Sulfate, total	mg/L	11/09/15 - 07/16/24	20	0	CI around median	280	400	Standard	No Exceedance
AW-05	UA	E006	Thallium, total	mg/L	11/09/15 - 07/16/24	18	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-05	UA	E006	Total Dissolved Solids	mg/L	11/09/15 - 07/16/24	20	0	CI around geomean	1,040	1,200	Standard	No Exceedance
AW-06	UA	E006	Antimony, total	mg/L	11/10/15 - 07/15/24	20	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-06	UA	E006	Arsenic, total	mg/L	11/10/15 - 07/15/24	25	0	CI around geomean	0.00329	0.0300	Background	No Exceedance
AW-06	UA	E006	Barium, total	mg/L	11/10/15 - 07/15/24	25	0	CI around median	0.18	2.07	Background	No Exceedance
AW-06	UA	E006	Beryllium, total	mg/L	11/10/15 - 07/15/24	25	88	CI around median	0.001	0.004	Standard	No Exceedance
AW-06	UA	E006	Boron, total	mg/L	11/10/15 - 07/15/24	26	0	CB around linear reg	0.0591	2	Standard	No Exceedance
AW-06	UA	E006	Cadmium, total	mg/L	11/10/15 - 07/15/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-06	UA	E006	Chloride, total	mg/L	11/10/15 - 07/15/24	26	0	CB around T-S line	10.7	200	Standard	No Exceedance
AW-06	UA	E006	Chromium, total	mg/L	11/10/15 - 07/15/24	25	56	CB around T-S line	-0.00511	0.1	Standard	No Exceedance
AW-06	UA	E006	Cobalt, total	mg/L	11/10/15 - 07/15/24	25	60	CI around median	0.002	0.0280	Background	No Exceedance
AW-06	UA	E006	Fluoride, total	mg/L	11/10/15 - 07/15/24	26	8	CB around T-S line	0.2	4.0	Standard	No Exceedance
AW-06	UA	E006	Lead, total	mg/L	11/10/15 - 07/15/24	25	40	CB around T-S line	-0.00369	0.0330	Background	No Exceedance
AW-06	UA	E006	Lithium, total	mg/L	11/10/15 - 07/15/24	25	52	CI around median	0.02	0.0710	Background	No Exceedance
AW-06	UA	E006	Mercury, total	mg/L	11/10/15 - 07/15/24	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-06	UA	E006	Molybdenum, total	mg/L	11/10/15 - 07/15/24	25	0	CI around mean	0.00496	0.1	Standard	No Exceedance
AW-06	UA	E006	pH (field)	SU	11/10/15 - 07/15/24	26	0	CI around median	7.1/7.2	6.3/9.0	Background/Standard	No Exceedance
AW-06	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/15/24	25	0	CI around mean	0.729	9.60	Background	No Exceedance
AW-06	UA	E006	Selenium, total	mg/L	11/10/15 - 07/15/24	25	76	CI around median	0.001	0.05	Standard	No Exceedance
AW-06	UA	E006	Sulfate, total	mg/L	11/10/15 - 07/15/24	26	0	CB around linear reg	17.9	400	Standard	No Exceedance
AW-06	UA	E006	Thallium, total	mg/L	11/10/15 - 07/15/24	20	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-06	UA	E006	Total Dissolved Solids	mg/L	11/10/15 - 07/15/24	26	0	CI around mean	516	1,200	Standard	No Exceedance
AW-09	UA	E006	Antimony, total	mg/L	11/10/15 - 07/16/24	20	100	All ND - Last	0.003	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-09	UA	E006	Arsenic, total	mg/L	11/10/15 - 07/16/24	25	12	CI around mean	0.0124	0.0300	Background	No Exceedance
AW-09	UA	E006	Barium, total	mg/L	11/10/15 - 07/16/24	25	0	CI around geomean	0.301	2.07	Background	No Exceedance
AW-09	UA	E006	Beryllium, total	mg/L	11/10/15 - 07/16/24	25	84	CB around T-S line	-0.000313	0.004	Standard	No Exceedance
AW-09	UA	E006	Boron, total	mg/L	11/10/15 - 07/16/24	26	0	CB around linear reg	-0.0691	2	Standard	No Exceedance
AW-09	UA	E006	Cadmium, total	mg/L	11/10/15 - 07/16/24	20	90	CI around median	0.001	0.005	Standard	No Exceedance
AW-09	UA	E006	Chloride, total	mg/L	11/10/15 - 07/16/24	26	0	CB around T-S line	21.7	200	Standard	No Exceedance
AW-09	UA	E006	Chromium, total	mg/L	11/10/15 - 07/16/24	25	60	CB around T-S line	-0.056	0.1	Standard	No Exceedance
AW-09	UA	E006	Cobalt, total	mg/L	11/10/15 - 07/16/24	25	4	CB around T-S line	-0.0299	0.0280	Background	No Exceedance
AW-09	UA	E006	Fluoride, total	mg/L	11/10/15 - 07/16/24	26	65	CB around T-S line	0.177	4.0	Standard	No Exceedance
AW-09	UA	E006	Lead, total	mg/L	11/10/15 - 07/16/24	25	48	CB around T-S line	-0.0295	0.0330	Background	No Exceedance
AW-09	UA	E006	Lithium, total	mg/L	11/10/15 - 07/16/24	25	36	CB around T-S line	-0.0496	0.0710	Background	No Exceedance
AW-09	UA	E006	Mercury, total	mg/L	11/10/15 - 07/16/24	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-09	UA	E006	Molybdenum, total	mg/L	11/10/15 - 07/16/24	25	0	CI around mean	0.0143	0.1	Standard	No Exceedance
AW-09	UA	E006	pH (field)	SU	11/10/15 - 07/16/24	26	0	CB around linear reg	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance
AW-09	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/16/24	25	0	CI around median	0.771	9.60	Background	No Exceedance
AW-09	UA	E006	Selenium, total	mg/L	11/10/15 - 07/16/24	25	68	CB around T-S line	-0.00167	0.05	Standard	No Exceedance
AW-09	UA	E006	Sulfate, total	mg/L	11/10/15 - 07/16/24	26	58	CB around T-S line	-20.9	400	Standard	No Exceedance
AW-09	UA	E006	Thallium, total	mg/L	11/10/15 - 07/16/24	20	95	CI around median	0.001	0.002	Standard	No Exceedance
AW-09	UA	E006	Total Dissolved Solids	mg/L	11/10/15 - 07/16/24	26	0	CB around T-S line	763	1,200	Standard	No Exceedance
AW-10	UA	E006	Antimony, total	mg/L	11/09/15 - 07/18/24	21	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-10	UA	E006	Arsenic, total	mg/L	11/09/15 - 07/18/24	26	0	CI around median	0.0099	0.0300	Background	No Exceedance
AW-10	UA	E006	Barium, total	mg/L	11/09/15 - 07/18/24	26	0	CI around median	0.98	2.07	Background	No Exceedance
AW-10	UA	E006	Beryllium, total	mg/L	11/09/15 - 07/18/24	26	77	CI around median	0.001	0.004	Standard	No Exceedance
AW-10	UA	E006	Boron, total	mg/L	11/09/15 - 07/18/24	27	0	CI around mean	0.462	2	Standard	No Exceedance
AW-10	UA	E006	Cadmium, total	mg/L	11/09/15 - 07/18/24	21	95	CI around median	0.001	0.005	Standard	No Exceedance
AW-10	UA	E006	Chloride, total	mg/L	11/09/15 - 07/18/24	27	0	CI around geomean	87.2	200	Standard	No Exceedance
AW-10	UA	E006	Chromium, total	mg/L	11/09/15 - 07/18/24	26	31	CI around median	0.004	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-10	UA	E006	Cobalt, total	mg/L	11/09/15 - 07/18/24	26	4	CI around geomean	0.00408	0.0280	Background	No Exceedance
AW-10	UA	E006	Fluoride, total	mg/L	11/09/15 - 07/18/24	27	96	CI around median	0.25	4.0	Standard	No Exceedance
AW-10	UA	E006	Lead, total	mg/L	11/09/15 - 07/18/24	26	12	CI around geomean	0.00222	0.0330	Background	No Exceedance
AW-10	UA	E006	Lithium, total	mg/L	11/09/15 - 07/18/24	26	0	CB around T-S line	-0.0148	0.0710	Background	No Exceedance
AW-10	UA	E006	Mercury, total	mg/L	11/09/15 - 07/18/24	21	95	CI around median	0.0002	0.002	Standard	No Exceedance
AW-10	UA	E006	Molybdenum, total	mg/L	11/09/15 - 07/18/24	26	23	CI around median	0.0012	0.1	Standard	No Exceedance
AW-10	UA	E006	pH (field)	SU	11/09/15 - 07/18/24	28	0	CI around mean	6.9/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-10	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/18/24	26	0	CI around mean	2.33	9.60	Background	No Exceedance
AW-10	UA	E006	Selenium, total	mg/L	11/09/15 - 07/18/24	26	65	CI around median	0.001	0.05	Standard	No Exceedance
AW-10	UA	E006	Sulfate, total	mg/L	11/09/15 - 07/18/24	27	82	CB around T-S line	0.838	400	Standard	No Exceedance
AW-10	UA	E006	Thallium, total	mg/L	11/09/15 - 07/18/24	21	95	CI around median	0.001	0.002	Standard	No Exceedance
AW-10	UA	E006	Total Dissolved Solids	mg/L	11/09/15 - 07/18/24	27	0	CB around T-S line	1,100	1,200	Standard	No Exceedance
AW-11	UA	E006	Antimony, total	mg/L	11/09/15 - 07/17/24	20	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-11	UA	E006	Arsenic, total	mg/L	11/09/15 - 07/17/24	25	0	CI around geomean	0.00902	0.0300	Background	No Exceedance
AW-11	UA	E006	Barium, total	mg/L	11/09/15 - 07/17/24	25	0	CI around median	0.84	2.07	Background	No Exceedance
AW-11	UA	E006	Beryllium, total	mg/L	11/09/15 - 07/17/24	25	80	CI around median	0.001	0.004	Standard	No Exceedance
AW-11	UA	E006	Boron, total	mg/L	11/09/15 - 07/17/24	26	0	CI around mean	0.224	2	Standard	No Exceedance
AW-11	UA	E006	Cadmium, total	mg/L	11/09/15 - 07/17/24	20	85	CI around median	0.001	0.005	Standard	No Exceedance
AW-11	UA	E006	Chloride, total	mg/L	11/09/15 - 07/17/24	26	0	CI around mean	31.4	200	Standard	No Exceedance
AW-11	UA	E006	Chromium, total	mg/L	11/09/15 - 07/17/24	25	56	CB around T-S line	-0.0173	0.1	Standard	No Exceedance
AW-11	UA	E006	Cobalt, total	mg/L	11/09/15 - 07/17/24	25	32	CB around T-S line	-0.00723	0.0280	Background	No Exceedance
AW-11	UA	E006	Fluoride, total	mg/L	11/09/15 - 07/17/24	26	88	CI around median	0.25	4.0	Standard	No Exceedance
AW-11	UA	E006	Lead, total	mg/L	11/09/15 - 07/17/24	25	40	CB around T-S line	-0.0102	0.0330	Background	No Exceedance
AW-11	UA	E006	Lithium, total	mg/L	11/09/15 - 07/17/24	25	20	CB around T-S line	-0.0103	0.0710	Background	No Exceedance
AW-11	UA	E006	Mercury, total	mg/L	11/09/15 - 07/17/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-11	UA	E006	Molybdenum, total	mg/L	11/09/15 - 07/17/24	25	8	CB around linear reg	-0.00121	0.1	Standard	No Exceedance
AW-11	UA	E006	pH (field)	SU	11/09/15 - 07/17/24	26	0	CI around median	6.9/7.2	6.3/9.0	Background/Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-11	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/17/24	25	0	CI around geomean	1.6	9.60	Background	No Exceedance
AW-11	UA	E006	Selenium, total	mg/L	11/09/15 - 07/17/24	25	72	CB around T-S line	0.000262	0.05	Standard	No Exceedance
AW-11	UA	E006	Sulfate, total	mg/L	11/09/15 - 07/17/24	26	69	CB around T-S line	0.233	400	Standard	No Exceedance
AW-11	UA	E006	Thallium, total	mg/L	11/09/15 - 07/17/24	20	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-11	UA	E006	Total Dissolved Solids	mg/L	11/09/15 - 07/17/24	26	0	CB around T-S line	937	1,200	Standard	No Exceedance
AW-14	UA	E006	Antimony, total	mg/L	02/11/21 - 07/17/24	14	93	CI around median	0.003	0.006	Standard	No Exceedance
AW-14	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/17/24	14	0	CB around T-S line	-0.00443	0.0300	Background	No Exceedance
AW-14	UA	E006	Barium, total	mg/L	02/11/21 - 07/17/24	14	0	CI around mean	0.637	2.07	Background	No Exceedance
AW-14	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/17/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-14	UA	E006	Boron, total	mg/L	02/11/21 - 07/17/24	14	0	CI around median	0.17	2	Standard	No Exceedance
AW-14	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/17/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-14	UA	E006	Chloride, total	mg/L	02/11/21 - 07/17/24	14	0	CI around geomean	23.6	200	Standard	No Exceedance
AW-14	UA	E006	Chromium, total	mg/L	02/11/21 - 07/17/24	14	93	CI around median	0.004	0.1	Standard	No Exceedance
AW-14	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/17/24	14	29	CB around T-S line	-0.0275	0.0280	Background	No Exceedance
AW-14	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/17/24	14	86	CI around median	0.25	4.0	Standard	No Exceedance
AW-14	UA	E006	Lead, total	mg/L	02/11/21 - 07/17/24	14	71	CI around median	0.001	0.0330	Background	No Exceedance
AW-14	UA	E006	Lithium, total	mg/L	02/11/21 - 07/17/24	14	64	CI around median	0.02	0.0710	Background	No Exceedance
AW-14	UA	E006	Mercury, total	mg/L	02/11/21 - 07/17/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
AW-14	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/17/24	14	29	CI around geomean	0.00143	0.1	Standard	No Exceedance
AW-14	UA	E006	pH (field)	SU	02/11/21 - 07/17/24	14	0	CI around mean	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-14	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/17/24	14	0	CI around mean	1.99	9.60	Background	No Exceedance
AW-14	UA	E006	Selenium, total	mg/L	02/11/21 - 07/17/24	14	86	CI around median	0.001	0.05	Standard	No Exceedance
AW-14	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/17/24	14	14	CI around geomean	1.8	400	Standard	No Exceedance
AW-14	UA	E006	Thallium, total	mg/L	02/11/21 - 07/17/24	14	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-14	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/17/24	14	0	CI around mean	928	1,200	Standard	No Exceedance
AW-15	UA	E006	Antimony, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15	UA	E006	Arsenic, total	mg/L	02/12/21 - 07/17/24	12	8	CB around linear reg	-0.00075	0.0300	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15	UA	E006	Barium, total	mg/L	02/12/21 - 07/17/24	12	0	CI around mean	1.65	2.07	Background	No Exceedance
AW-15	UA	E006	Beryllium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-15	UA	E006	Boron, total	mg/L	02/12/21 - 07/17/24	12	0	CI around mean	0.347	2	Standard	No Exceedance
AW-15	UA	E006	Cadmium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15	UA	E006	Chloride, total	mg/L	02/12/21 - 07/17/24	12	0	CB around linear reg	25.8	200	Standard	No Exceedance
AW-15	UA	E006	Chromium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-15	UA	E006	Cobalt, total	mg/L	02/12/21 - 07/17/24	12	92	CI around median	0.002	0.0280	Background	No Exceedance
AW-15	UA	E006	Fluoride, total	mg/L	02/12/21 - 07/17/24	12	83	CI around median	0.25	4.0	Standard	No Exceedance
AW-15	UA	E006	Lead, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-15	UA	E006	Lithium, total	mg/L	02/12/21 - 07/17/24	12	0	CB around linear reg	0.0203	0.0710	Background	No Exceedance
AW-15	UA	E006	Mercury, total	mg/L	02/12/21 - 07/17/24	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
AW-15	UA	E006	Molybdenum, total	mg/L	02/12/21 - 07/17/24	12	83	CI around median	0.001	0.1	Standard	No Exceedance
AW-15	UA	E006	pH (field)	SU	02/12/21 - 07/17/24	11	0	CI around mean	6.7/6.9	6.3/9.0	Background/Standard	No Exceedance
AW-15	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/17/24	12	0	CI around mean	3.63	9.60	Background	No Exceedance
AW-15	UA	E006	Selenium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-15	UA	E006	Sulfate, total	mg/L	02/12/21 - 07/17/24	12	92	Most recent sample	1	400	Standard	No Exceedance
AW-15	UA	E006	Thallium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15	UA	E006	Total Dissolved Solids	mg/L	02/12/21 - 07/17/24	12	0	CI around mean	942	1,200	Standard	No Exceedance
AW-15S	PMP	E006	Antimony, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-15S	PMP	E006	Arsenic, total	mg/L	02/12/21 - 07/17/24	15	67	CI around median	0.001	0.0300	Background	No Exceedance
AW-15S	PMP	E006	Barium, total	mg/L	02/12/21 - 07/17/24	15	0	CB around T-S line	-0.0505	2.07	Background	No Exceedance
AW-15S	PMP	E006	Beryllium, total	mg/L	02/12/21 - 07/17/24	15	93	CI around median	0.001	0.004	Standard	No Exceedance
AW-15S	PMP	E006	Boron, total	mg/L	02/12/21 - 07/17/24	15	0	CI around mean	5.54	2	Standard	Exceedance
AW-15S	PMP	E006	Cadmium, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-15S	PMP	E006	Chloride, total	mg/L	02/12/21 - 07/17/24	15	0	CB around linear reg	21.9	200	Standard	No Exceedance
AW-15S	PMP	E006	Chromium, total	mg/L	02/12/21 - 07/17/24	15	93	CI around median	0.004	0.1	Standard	No Exceedance
AW-15S	PMP	E006	Cobalt, total	mg/L	02/12/21 - 07/17/24	15	93	CI around median	0.002	0.0280	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-15S	PMP	E006	Fluoride, total	mg/L	02/12/21 - 07/17/24	15	33	CI around median	0.25	4.0	Standard	No Exceedance
AW-15S	PMP	E006	Lead, total	mg/L	02/12/21 - 07/17/24	15	87	CI around median	0.001	0.0330	Background	No Exceedance
AW-15S	PMP	E006	Lithium, total	mg/L	02/12/21 - 07/17/24	15	87	CI around median	0.02	0.0710	Background	No Exceedance
AW-15S	PMP	E006	Mercury, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-15S	PMP	E006	Molybdenum, total	mg/L	02/12/21 - 07/17/24	15	0	CB around linear reg	0.00208	0.1	Standard	No Exceedance
AW-15S	PMP	E006	pH (field)	SU	02/12/21 - 07/17/24	15	0	CI around mean	6.8/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-15S	PMP	E006	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/17/24	14	0	CI around mean	0.451	9.60	Background	No Exceedance
AW-15S	PMP	E006	Selenium, total	mg/L	02/12/21 - 07/17/24	15	47	CI around median	0.001	0.05	Standard	No Exceedance
AW-15S	PMP	E006	Sulfate, total	mg/L	02/12/21 - 07/17/24	15	0	CI around mean	523	400	Standard	Exceedance
AW-15S	PMP	E006	Thallium, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-15S	PMP	E006	Total Dissolved Solids	mg/L	02/12/21 - 07/17/24	15	0	CI around median	1,200	1,200	Standard	No Exceedance
AW-16	UA	E006	Antimony, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-16	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/16/24	15	20	CI around mean	0.00111	0.0300	Background	No Exceedance
AW-16	UA	E006	Barium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.996	2.07	Background	No Exceedance
AW-16	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-16	UA	E006	Boron, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.385	2	Standard	No Exceedance
AW-16	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-16	UA	E006	Chloride, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	43	200	Standard	No Exceedance
AW-16	UA	E006	Chromium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-16	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-16	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.25	4.0	Standard	No Exceedance
AW-16	UA	E006	Lead, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.0330	Background	No Exceedance
AW-16	UA	E006	Lithium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around T-S line	0.0182	0.0710	Background	No Exceedance
AW-16	UA	E006	Mercury, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
AW-16	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.1	Standard	No Exceedance
AW-16	UA	E006	pH (field)	SU	02/11/21 - 07/16/24	15	0	CI around mean	6.6/6.8	6.3/9.0	Background/Standard	No Exceedance
AW-16	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/16/24	15	0	CB around linear reg	1.79	9.60	Background	No Exceedance

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EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-16	UA	E006	Selenium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-16	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/16/24	15	87	CI around median	1	400	Standard	No Exceedance
AW-16	UA	E006	Thallium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-16	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	1,080	1,200	Standard	No Exceedance
AW-17	UA	E006	Antimony, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-17	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.00248	0.0300	Background	No Exceedance
AW-17	UA	E006	Barium, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	1.03	2.07	Background	No Exceedance
AW-17	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-17	UA	E006	Boron, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	0.414	2	Standard	No Exceedance
AW-17	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-17	UA	E006	Chloride, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	46.5	200	Standard	No Exceedance
AW-17	UA	E006	Chromium, total	mg/L	02/11/21 - 07/16/24	15	73	CI around median	0.004	0.1	Standard	No Exceedance
AW-17	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/16/24	15	7	CI around geomean	0.00193	0.0280	Background	No Exceedance
AW-17	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.25	4.0	Standard	No Exceedance
AW-17	UA	E006	Lead, total	mg/L	02/11/21 - 07/16/24	15	73	CI around median	0.001	0.0330	Background	No Exceedance
AW-17	UA	E006	Lithium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.00783	0.0710	Background	No Exceedance
AW-17	UA	E006	Mercury, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
AW-17	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/16/24	15	53	CB around T-S line	-0.00302	0.1	Standard	No Exceedance
AW-17	UA	E006	pH (field)	SU	02/11/21 - 07/16/24	15	0	CI around mean	6.7/6.9	6.3/9.0	Background/Standard	No Exceedance
AW-17	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/16/24	15	0	CI around mean	2.45	9.60	Background	No Exceedance
AW-17	UA	E006	Selenium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-17	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	1	400	Standard	No Exceedance
AW-17	UA	E006	Thallium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-17	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	849	1,200	Standard	No Exceedance
AW-18	UA	E006	Antimony, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-18	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	0.00338	0.0300	Background	No Exceedance
AW-18	UA	E006	Barium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	1.28	2.07	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-18	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-18	UA	E006	Boron, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	0.585	2	Standard	No Exceedance
AW-18	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-18	UA	E006	Chloride, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	85.2	200	Standard	No Exceedance
AW-18	UA	E006	Chromium, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.004	0.1	Standard	No Exceedance
AW-18	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/16/24	15	80	CI around median	0.002	0.0280	Background	No Exceedance
AW-18	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/16/24	15	60	CB around T-S line	-4.11	4.0	Standard	No Exceedance
AW-18	UA	E006	Lead, total	mg/L	02/11/21 - 07/16/24	15	80	CI around median	0.001	0.0330	Background	No Exceedance
AW-18	UA	E006	Lithium, total	mg/L	02/11/21 - 07/16/24	15	7	CB around linear reg	-0.0207	0.0710	Background	No Exceedance
AW-18	UA	E006	Mercury, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-18	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	-0.0103	0.1	Standard	No Exceedance
AW-18	UA	E006	pH (field)	SU	02/11/21 - 07/16/24	15	0	CI around mean	6.7/7.0	6.3/9.0	Background/Standard	No Exceedance
AW-18	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/16/24	15	0	CI around mean	2.48	9.60	Background	No Exceedance
AW-18	UA	E006	Selenium, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.001	0.05	Standard	No Exceedance
AW-18	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/16/24	15	0	CI around geomean	4.39	400	Standard	No Exceedance
AW-18	UA	E006	Thallium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-18	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	804	1,200	Standard	No Exceedance
AW-19	UA	E006	Antimony, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-19	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	0.0117	0.0300	Background	No Exceedance
AW-19	UA	E006	Barium, total	mg/L	02/11/21 - 07/15/24	15	0	CI around median	0.18	2.07	Background	No Exceedance
AW-19	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-19	UA	E006	Boron, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	2.59	2	Standard	Exceedance
AW-19	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-19	UA	E006	Chloride, total	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	68.1	200	Standard	No Exceedance
AW-19	UA	E006	Chromium, total	mg/L	02/11/21 - 07/15/24	15	73	CI around median	0.004	0.1	Standard	No Exceedance
AW-19	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/15/24	15	73	CI around median	0.002	0.0280	Background	No Exceedance
AW-19	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/15/24	15	20	CB around linear reg	0.186	4.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-19	UA	E006	Lead, total	mg/L	02/11/21 - 07/15/24	15	53	CI around median	0.001	0.0330	Background	No Exceedance
AW-19	UA	E006	Lithium, total	mg/L	02/11/21 - 07/15/24	15	73	CB around T-S line	-0.00696	0.0710	Background	No Exceedance
AW-19	UA	E006	Mercury, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-19	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/15/24	15	0	CI around median	0.0035	0.1	Standard	No Exceedance
AW-19	UA	E006	pH (field)	SU	02/11/21 - 07/15/24	15	0	CI around mean	6.8/7.1	6.3/9.0	Background/Standard	No Exceedance
AW-19	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/15/24	15	0	CI around mean	0.488	9.60	Background	No Exceedance
AW-19	UA	E006	Selenium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
AW-19	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	54	400	Standard	No Exceedance
AW-19	UA	E006	Thallium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-19	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	614	1,200	Standard	No Exceedance
AW-21	UA	E006	Antimony, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.003	0.006	Standard	No Exceedance
AW-21	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/15/24	15	20	CI around geomean	0.00111	0.0300	Background	No Exceedance
AW-21	UA	E006	Barium, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	0.0608	2.07	Background	No Exceedance
AW-21	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
AW-21	UA	E006	Boron, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	10.3	2	Standard	Exceedance
AW-21	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
AW-21	UA	E006	Chloride, total	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	64.3	200	Standard	No Exceedance
AW-21	UA	E006	Chromium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.004	0.1	Standard	No Exceedance
AW-21	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.002	0.0280	Background	No Exceedance
AW-21	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/15/24	15	7	CB around linear reg	0.12	4.0	Standard	No Exceedance
AW-21	UA	E006	Lead, total	mg/L	02/11/21 - 07/15/24	15	93	CI around median	0.001	0.0330	Background	No Exceedance
AW-21	UA	E006	Lithium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.02	0.0710	Background	No Exceedance
AW-21	UA	E006	Mercury, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
AW-21	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	0.0171	0.1	Standard	No Exceedance
AW-21	UA	E006	pH (field)	SU	02/11/21 - 07/15/24	15	0	CI around geomean	7.0/7.7	6.3/9.0	Background/Standard	No Exceedance
AW-21	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/15/24	15	0	CI around mean	0.527	9.60	Background	No Exceedance
AW-21	UA	E006	Selenium, total	mg/L	02/11/21 - 07/15/24	15	67	CI around median	0.001	0.05	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
AW-21	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/15/24	15	0	CI around median	220	400	Standard	No Exceedance
AW-21	UA	E006	Thallium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.002	Standard	No Exceedance
AW-21	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	652	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:
 PMP = Potential Migration Pathway
 UA = Uppermost Aquifer

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.
 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

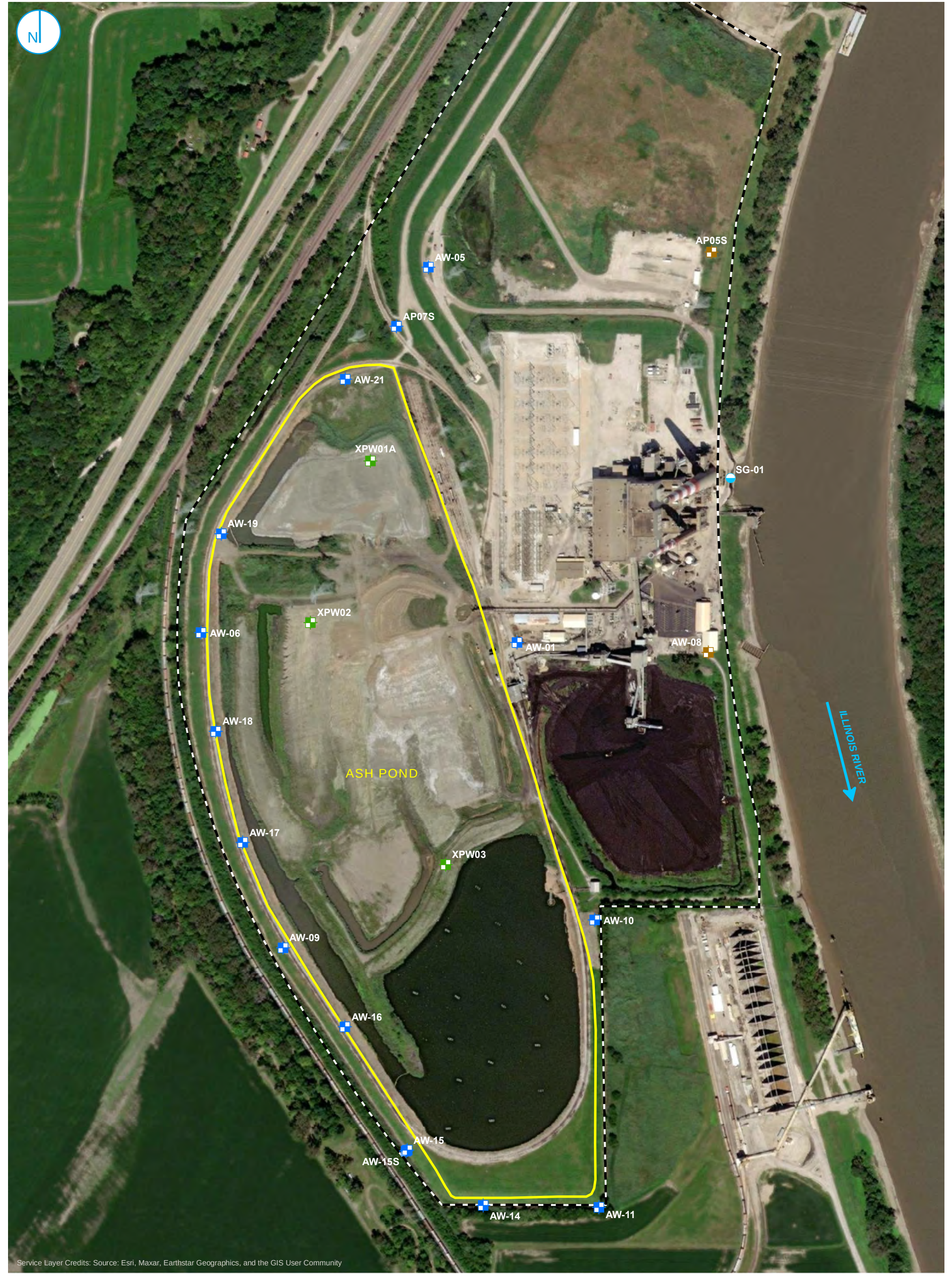
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range

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



- COMPLIANCE WELL
- BACKGROUND WELL
- PORE WATER WELL
- STAFF GAGE, RIVER
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 200 400 Feet

MONITORING WELL
LOCATION MAP

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

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





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

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

FIGURE 2

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

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



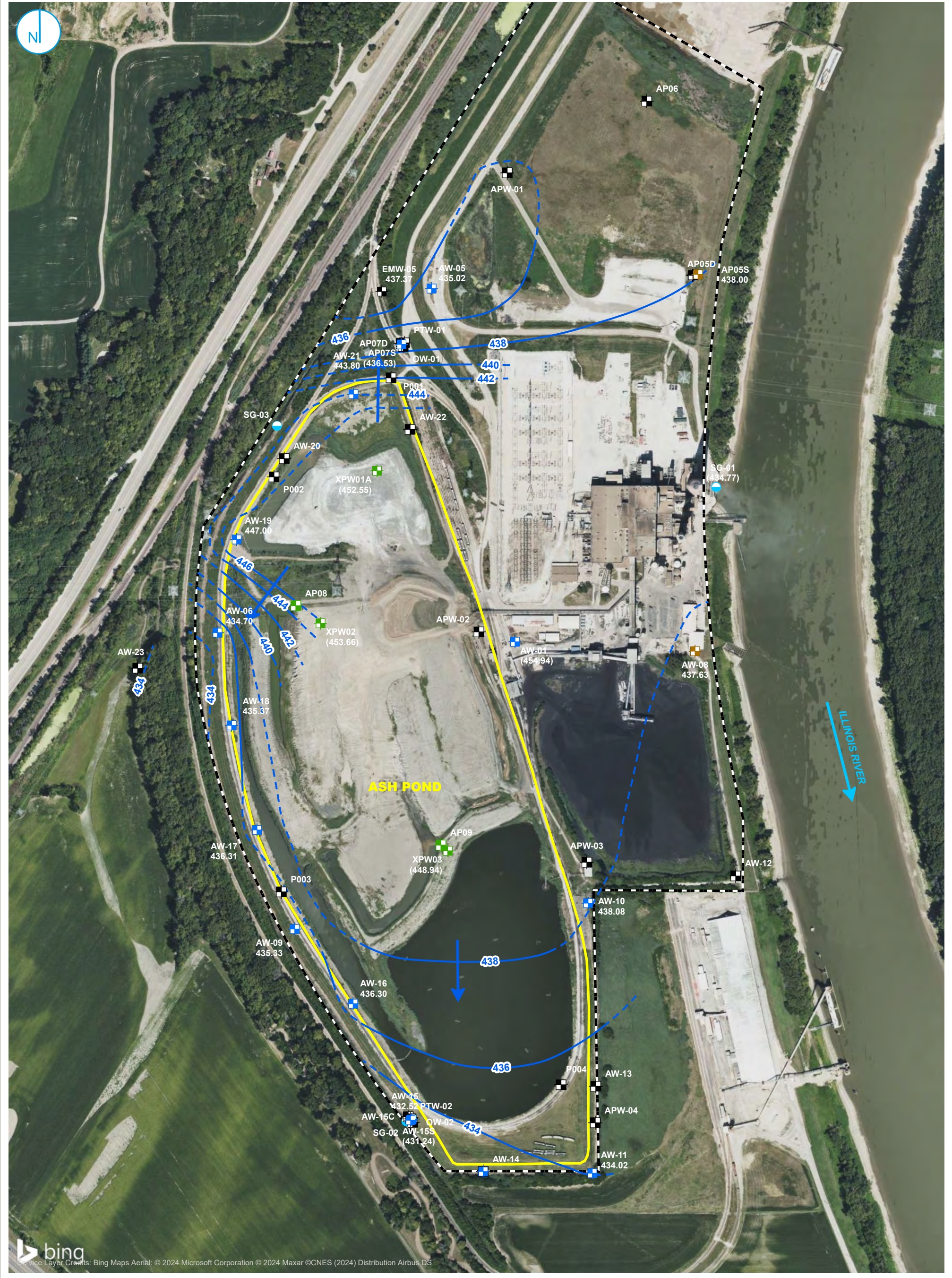
0 212.5 425
Feet



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

GWPS EXCEEDANCE MAP -
POTENTIAL MIGRATION PATHWAY
QUARTER 4, 2023 AND QUARTERS 1-3, 2024

FIGURE 3



- COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

STAFF GAGE, RIVER

MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR
(2-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION
CONTOUR

GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

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

0 212.5 425
Feet

POTENTIOMETRIC SURFACE MAP
JANUARY 6, 2024

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

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, RIVER
- MONITORING WELL

- GROUNDWATER ELEVATION CONTOUR
(2-FT CONTOUR INTERVAL, NAVD88)
- - -

 INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- - -

 PROPERTY BOUNDARY

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

0 212.5 425
Feet

POTENTIOMETRIC SURFACE MAP
FEBRUARY 6, 2024

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

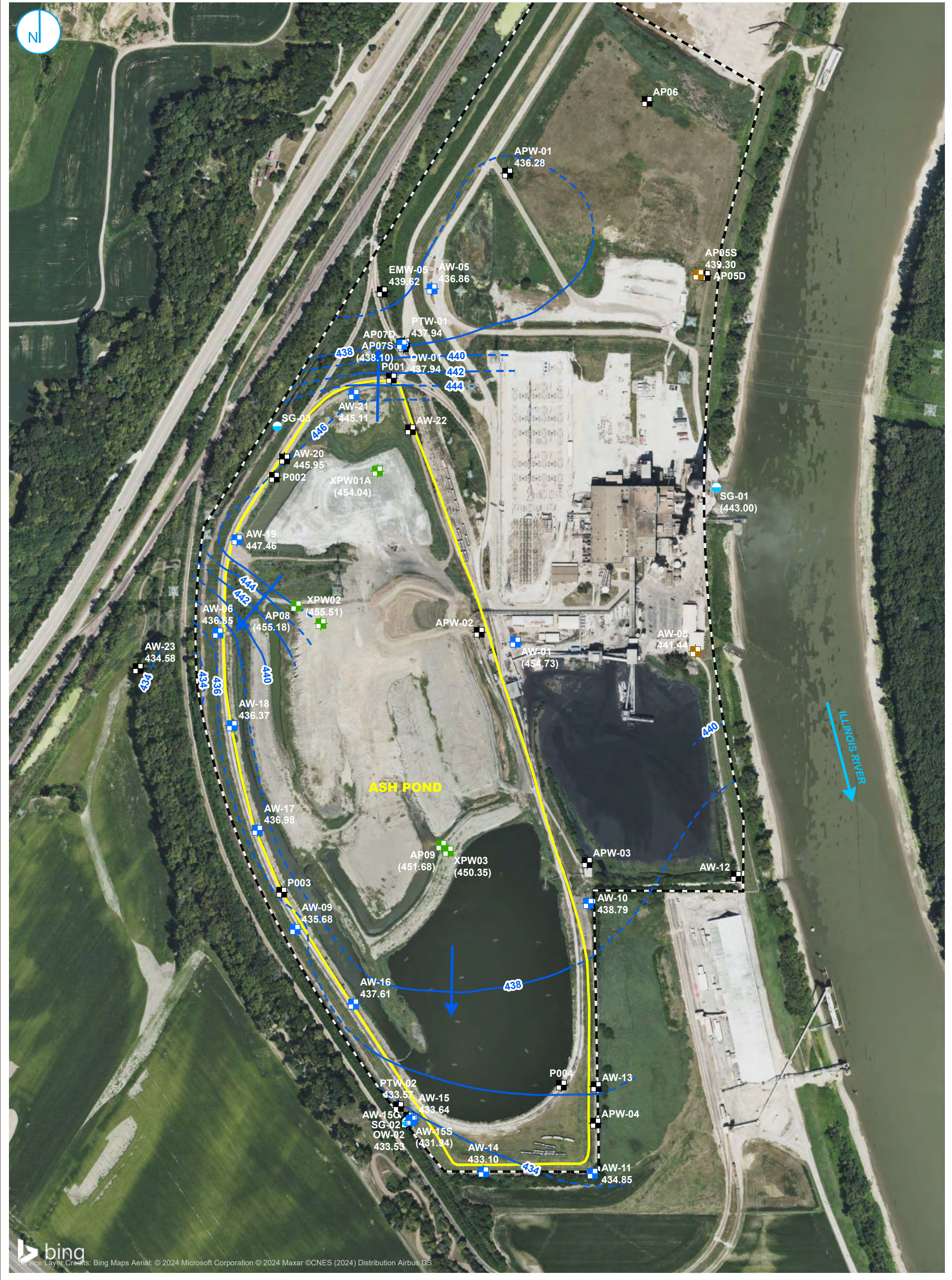
FIGURE 5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





FIGURE 6



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

MONITORING WELL

PORE WATER WELL

STAFF GAGE, RIVER

GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

NOTES

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.

2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

POTENTIOMETRIC SURFACE MAP

APRIL 29, 2024

2024 ANNUAL GROUNDWATER MONITORING

AND CORRECTIVE ACTION REPORT

ASH POND

EDWARDS POWER PLANT

BARTONVILLE, ILLINOIS

FIGURE 7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

MONITORING WELL

PORE WATER WELL

STAFF GAGE, RIVER

GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

NOTES

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.

2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

0

212.5

425

Feet

POTENTIOMETRIC SURFACE MAP

MAY 15, 2024

2024 ANNUAL GROUNDWATER MONITORING

AND CORRECTIVE ACTION REPORT

ASH POND

EDWARDS POWER PLANT

BARTONVILLE, ILLINOIS

FIGURE 8

RAMBOLL AMERICAS

ENGINEERING SOLUTIONS, INC.

RAMBOLL



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, RIVER

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

NOTES

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.

2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

0 212.5 425 Feet

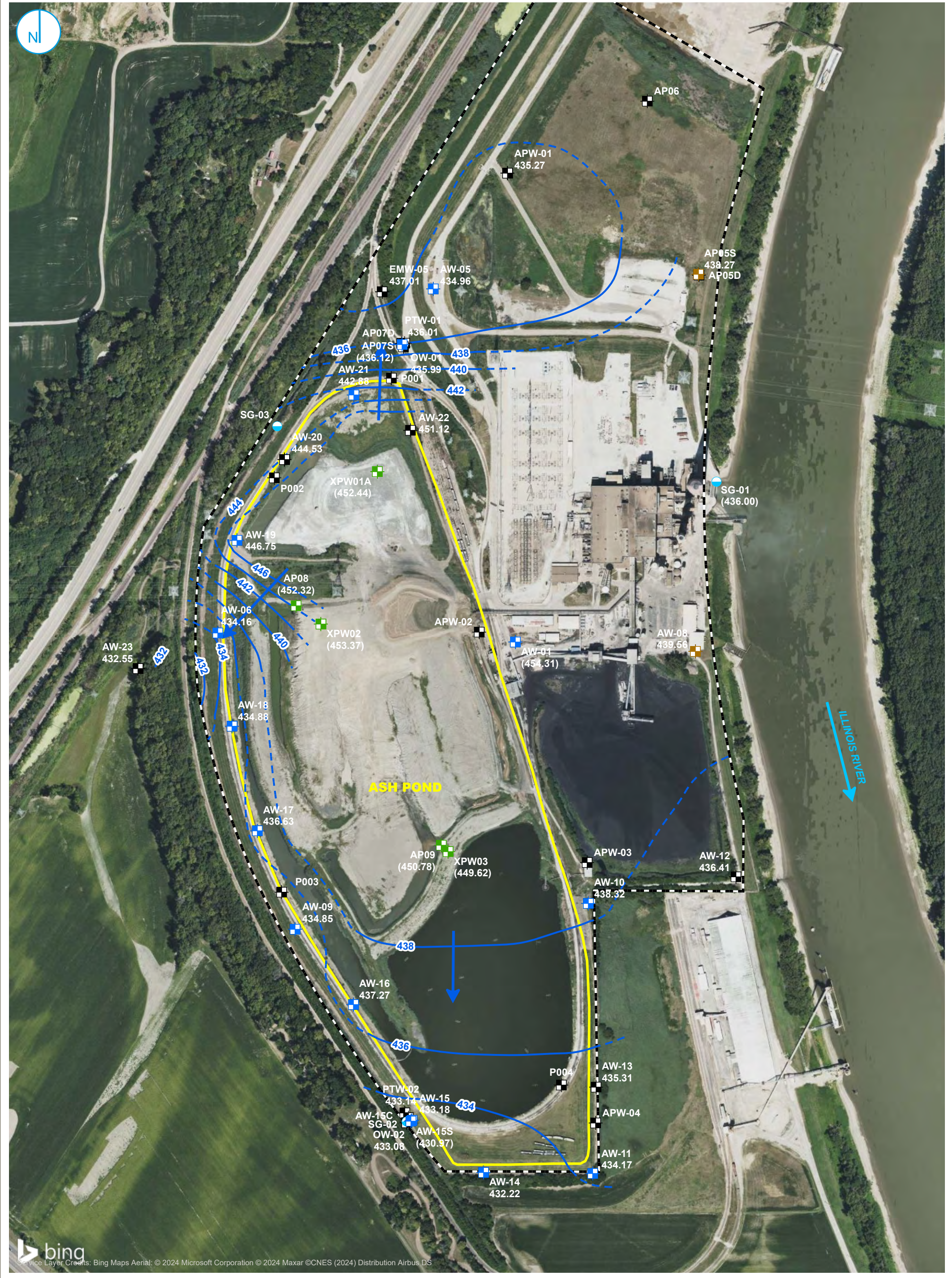
POTENTIOMETRIC SURFACE MAP
JUNE 15, 2024

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

FIGURE 9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

MONITORING WELL

PORE WATER WELL

STAFF GAGE, RIVER

GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

NOTES

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.

2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

POTENTIOMETRIC SURFACE MAP

JULY 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

ASH POND

EDWARDS POWER PLANT
BARTONVILLE, ILLINOIS

FIGURE 10

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

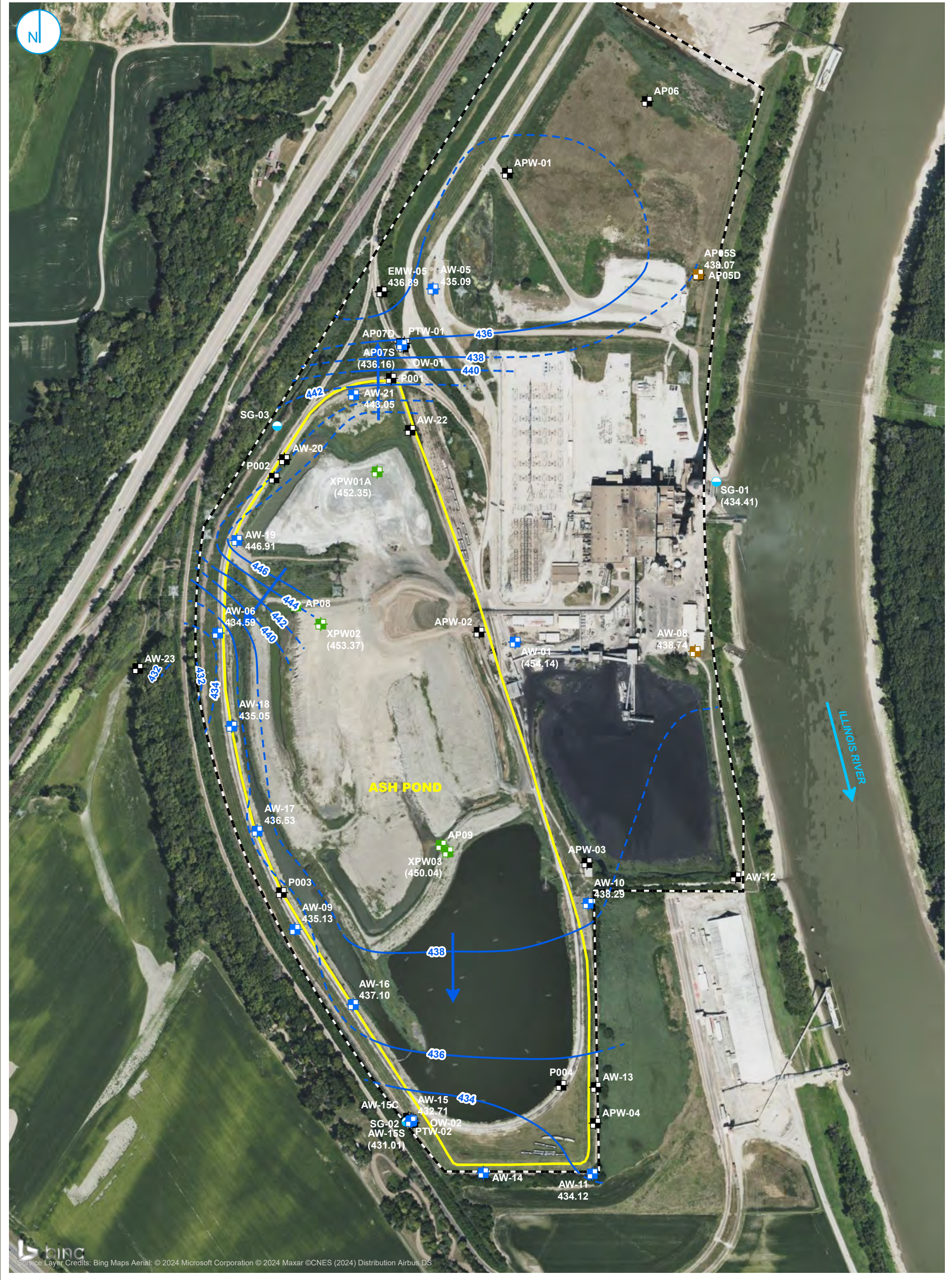
RAMBOLL

0

212.5

425

Feet



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, RIVER
- MONITORING WELL

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

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

0 212.5 425 Feet

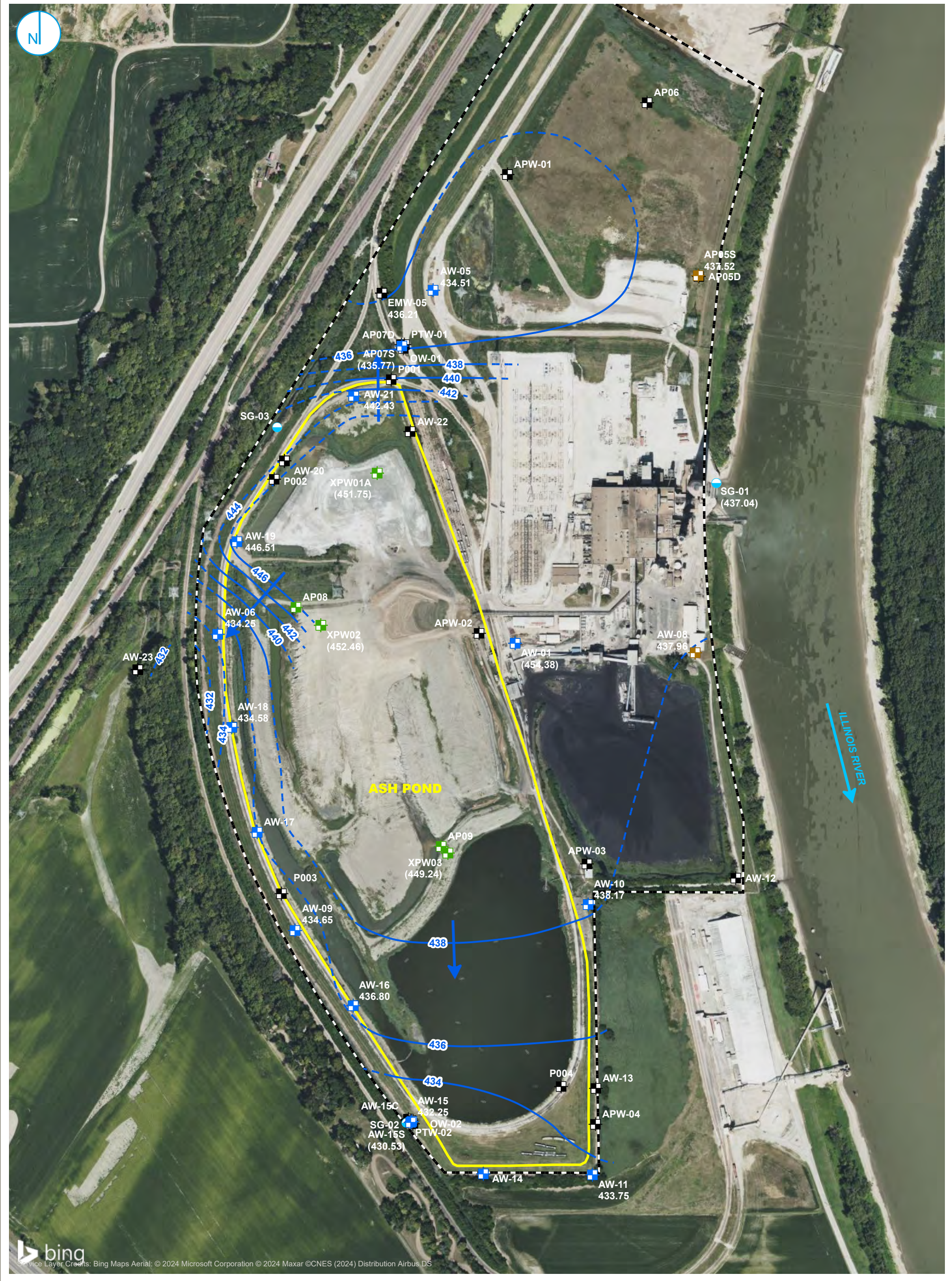
POTENTIOMETRIC SURFACE MAP
AUGUST 28, 2024

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

FIGURE 11

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

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

0 212.5 425 Feet

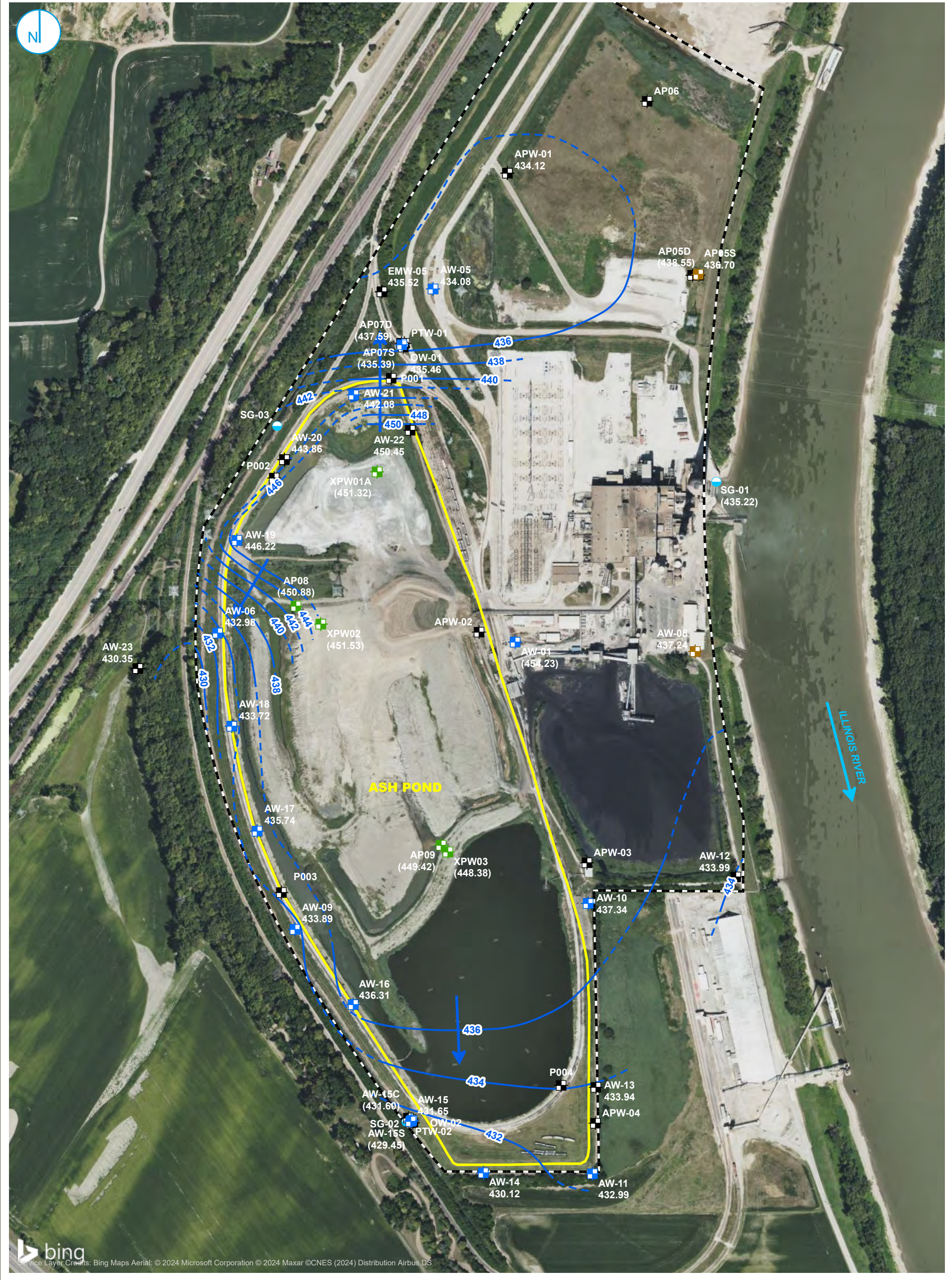
POTENTIOMETRIC SURFACE MAP
SEPTEMBER 28, 2024

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

FIGURE 12

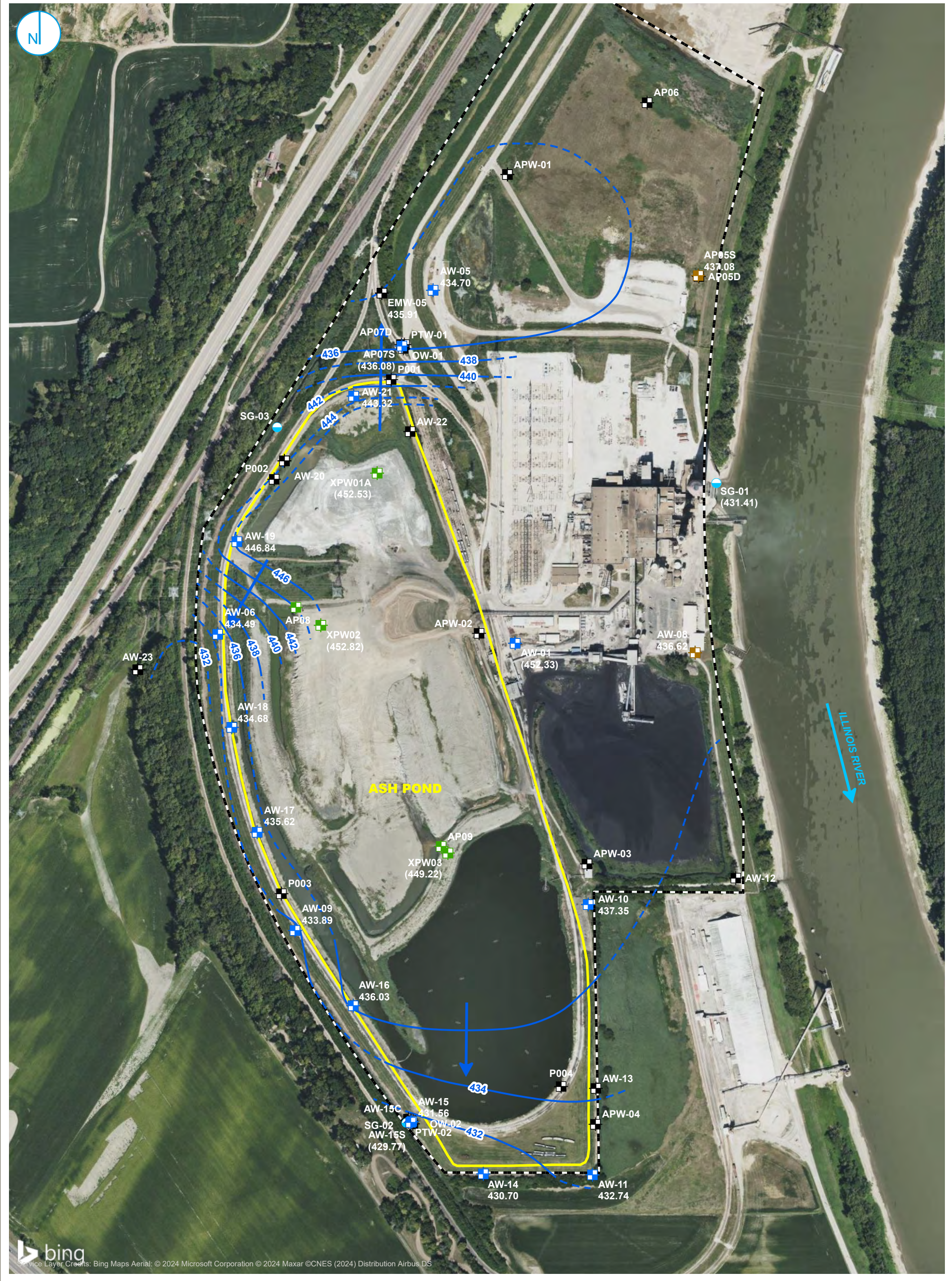
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





POTENTIOMETRIC SURFACE MAP
OCTOBER 28, 2024

FIGURE 13



- COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING WELL

STAFF GAGE, RIVER

- GROUNDWATER ELEVATION CONTOUR
(2-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION
CONTOUR

GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

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

0 212.5 425 Feet

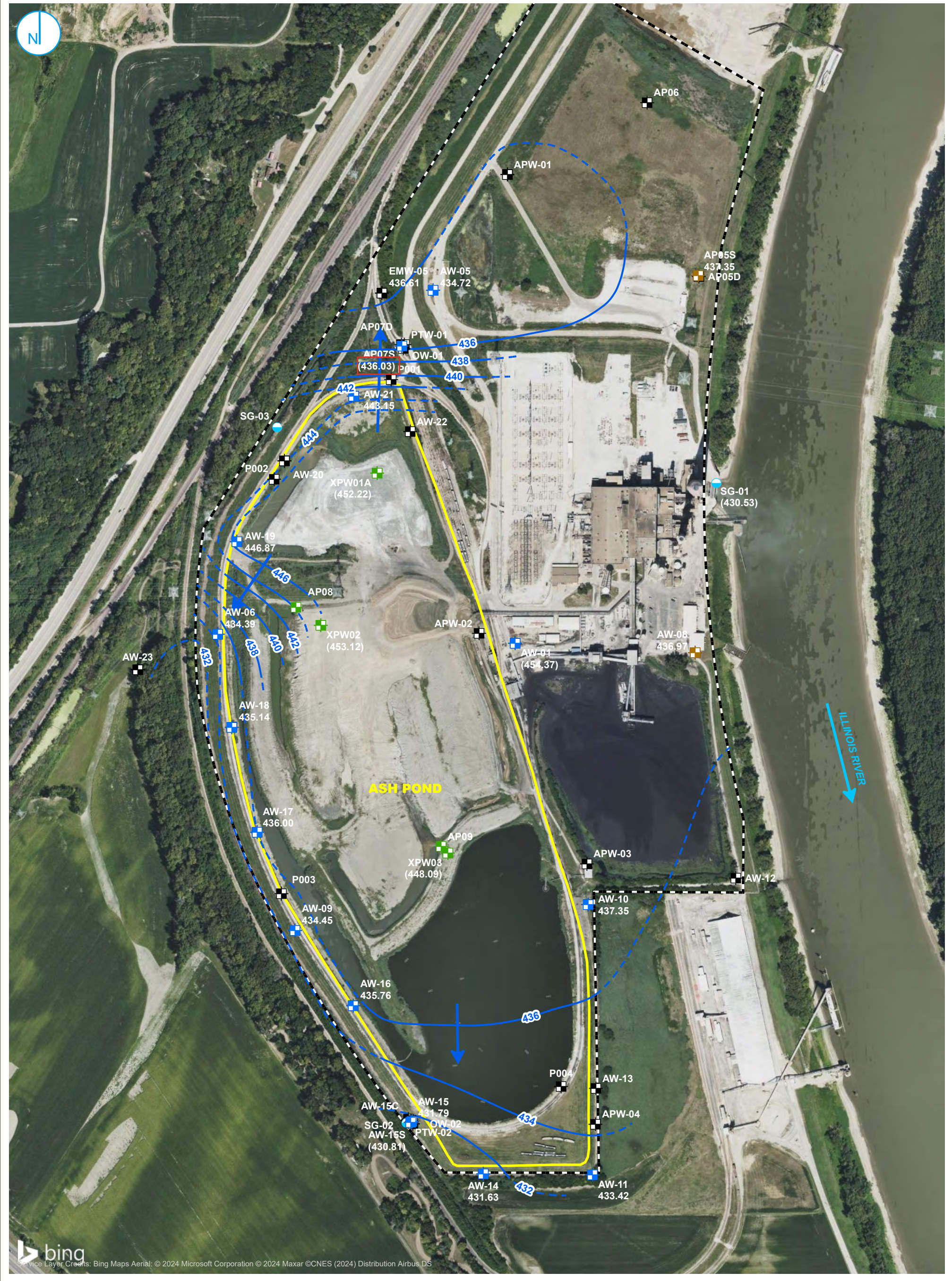
POTENTIOMETRIC SURFACE MAP
NOVEMBER 13, 2024

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

FIGURE 14

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- MONITORING WELL
- STAFF GAGE, RIVER

- GROUNDWATER ELEVATION CONTOUR
(2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION
CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

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

0 212.5 425
Feet

POTENTIOMETRIC SURFACE MAP
DECEMBER 4, 2024

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

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
AP05S	Background	UA	01/06/2024	5.00	438.00
AP05S	Background	UA	02/06/2024	4.63	438.38
AP05S	Background	UA	03/29/2024	3.98	439.02
AP05S	Background	UA	04/29/2024	3.71	439.30
AP05S	Background	UA	05/15/2024	3.20	439.80
AP05S	Background	UA	06/15/2024	3.90	439.10
AP05S	Background	UA	07/15/2024	4.74	438.27
AP05S	Background	UA	08/28/2024	5.17	438.07
AP05S	Background	UA	09/28/2024	5.72	437.52
AP05S	Background	UA	10/28/2024	6.55	436.70
AP05S	Background	UA	11/13/2024	6.16	437.08
AP05S	Background	UA	12/04/2024	5.90	437.35
AP07S	Compliance	PMP	01/06/2024	24.48	436.53
AP07S	Compliance	PMP	02/06/2024	24.43	436.59
AP07S	Compliance	PMP	03/29/2024	24.25	436.76
AP07S	Compliance	PMP	04/29/2024	22.92	438.10
AP07S	Compliance	PMP	05/15/2024	23.93	437.08
AP07S	Compliance	PMP	06/15/2024	24.81	436.20
AP07S	Compliance	PMP	07/15/2024	24.90	436.12
AP07S	Compliance	PMP	08/28/2024	24.70	436.16
AP07S	Compliance	PMP	09/28/2024	25.09	435.77
AP07S	Compliance	PMP	10/28/2024	25.48	435.39
AP07S	Compliance	PMP	11/13/2024	24.78	436.08
AP07S	Compliance	PMP	12/04/2024	24.84	436.03
AW-01	Compliance	PMP	01/06/2024	9.65	454.94
AW-01	Compliance	PMP	02/06/2024	9.59	455.01
AW-01	Compliance	PMP	03/29/2024	9.75	454.84
AW-01	Compliance	PMP	04/29/2024	9.87	454.73
AW-01	Compliance	PMP	05/15/2024	12.13	452.46
AW-01	Compliance	PMP	06/15/2024	10.14	454.45
AW-01	Compliance	PMP	07/15/2024	10.29	454.31
AW-01	Compliance	PMP	08/28/2024	10.40	454.14
AW-01	Compliance	PMP	09/28/2024	10.15	454.38
AW-01	Compliance	PMP	10/28/2024	10.31	454.23
AW-01	Compliance	PMP	11/13/2024	12.20	452.33
AW-01	Compliance	PMP	12/04/2024	10.17	454.37
AW-05	Compliance	UA	01/06/2024	8.28	435.02
AW-05	Compliance	UA	02/06/2024	8.15	435.16
AW-05	Compliance	UA	03/29/2024	7.77	435.53
AW-05	Compliance	UA	04/29/2024	6.45	436.86
AW-05	Compliance	UA	05/15/2024	7.41	435.89
AW-05	Compliance	UA	06/15/2024	8.47	434.83
AW-05	Compliance	UA	07/15/2024	8.35	434.96
AW-05	Compliance	UA	08/28/2024	8.27	435.09
AW-05	Compliance	UA	09/28/2024	8.85	434.51
AW-05	Compliance	UA	10/28/2024	9.29	434.08

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
AW-05	Compliance	UA	11/13/2024	8.66	434.70
AW-05	Compliance	UA	12/04/2024	8.65	434.72
AW-06	Compliance	UA	01/06/2024	26.86	434.70
AW-06	Compliance	UA	02/06/2024	26.73	434.84
AW-06	Compliance	UA	03/29/2024	25.70	435.86
AW-06	Compliance	UA	04/29/2024	24.92	436.65
AW-06	Compliance	UA	05/15/2024	26.01	435.55
AW-06	Compliance	UA	06/15/2024	26.87	434.69
AW-06	Compliance	UA	07/15/2024	27.41	434.16
AW-06	Compliance	UA	08/28/2024	26.95	434.59
AW-06	Compliance	UA	09/28/2024	27.29	434.25
AW-06	Compliance	UA	10/28/2024	28.57	432.98
AW-06	Compliance	UA	11/13/2024	27.05	434.49
AW-06	Compliance	UA	12/04/2024	27.16	434.39
AW-08	Background	UA	01/06/2024	24.90	437.63
AW-08	Background	UA	02/06/2024	21.93	440.61
AW-08	Background	UA	03/29/2024	22.42	440.11
AW-08	Background	UA	04/29/2024	21.10	441.44
AW-08	Background	UA	05/15/2024	20.03	442.50
AW-08	Background	UA	06/15/2024	21.30	441.23
AW-08	Background	UA	07/15/2024	22.98	439.56
AW-08	Background	UA	08/28/2024	23.91	438.74
AW-08	Background	UA	09/28/2024	24.69	437.96
AW-08	Background	UA	10/28/2024	25.42	437.24
AW-08	Background	UA	11/13/2024	26.03	436.62
AW-08	Background	UA	12/04/2024	25.69	436.97
AW-09	Compliance	UA	01/06/2024	26.11	435.33
AW-09	Compliance	UA	02/06/2024	26.04	435.41
AW-09	Compliance	UA	03/29/2024	25.81	435.63
AW-09	Compliance	UA	04/29/2024	25.77	435.68
AW-09	Compliance	UA	05/15/2024	25.28	436.16
AW-09	Compliance	UA	06/15/2024	25.88	435.56
AW-09	Compliance	UA	07/15/2024	26.60	434.85
AW-09	Compliance	UA	08/28/2024	26.15	435.13
AW-09	Compliance	UA	09/28/2024	26.63	434.65
AW-09	Compliance	UA	10/28/2024	27.40	433.89
AW-09	Compliance	UA	11/13/2024	27.39	433.89
AW-09	Compliance	UA	12/04/2024	26.84	434.45
AW-10	Compliance	UA	01/06/2024	2.01	438.08
AW-10	Compliance	UA	02/06/2024	1.99	438.11
AW-10	Compliance	UA	03/29/2024	1.44	438.65
AW-10	Compliance	UA	04/29/2024	1.31	438.79
AW-10	Compliance	UA	05/15/2024	1.23	438.86
AW-10	Compliance	UA	06/15/2024	1.57	438.52
AW-10	Compliance	UA	07/15/2024	1.78	438.32
AW-10	Compliance	UA	08/28/2024	1.87	438.29

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
AW-10	Compliance	UA	09/28/2024	1.99	438.17
AW-10	Compliance	UA	10/28/2024	2.83	437.34
AW-10	Compliance	UA	11/13/2024	2.81	437.35
AW-10	Compliance	UA	12/04/2024	2.82	437.35
AW-11	Compliance	UA	01/06/2024	6.01	434.02
AW-11	Compliance	UA	02/06/2024	6.00	434.04
AW-11	Compliance	UA	03/29/2024	5.46	434.57
AW-11	Compliance	UA	04/29/2024	5.19	434.85
AW-11	Compliance	UA	05/15/2024	4.98	435.05
AW-11	Compliance	UA	06/15/2024	5.43	434.60
AW-11	Compliance	UA	07/15/2024	5.87	434.17
AW-11	Compliance	UA	08/28/2024	5.91	434.12
AW-11	Compliance	UA	09/28/2024	6.28	433.75
AW-11	Compliance	UA	10/28/2024	7.05	432.99
AW-11	Compliance	UA	11/13/2024	7.29	432.74
AW-11	Compliance	UA	12/04/2024	6.62	433.42
AW-14	Compliance	UA	01/06/2024	DM ¹	
AW-14	Compliance	UA	02/06/2024	6.76	432.64
AW-14	Compliance	UA	03/29/2024	DM ¹	
AW-14	Compliance	UA	04/29/2024	6.30	433.10
AW-14	Compliance	UA	05/15/2024	DM ¹	
AW-14	Compliance	UA	06/15/2024	DM ¹	
AW-14	Compliance	UA	07/15/2024	7.18	432.22
AW-14	Compliance	UA	08/28/2024	DM ¹	
AW-14	Compliance	UA	09/28/2024	8.11	431.35
AW-14	Compliance	UA	10/28/2024	9.34	430.12
AW-14	Compliance	UA	11/13/2024	8.75	430.70
AW-14	Compliance	UA	12/04/2024	7.83	431.63
AW-15	Compliance	UA	01/06/2024	9.15	432.52
AW-15	Compliance	UA	02/06/2024	8.78	432.90
AW-15	Compliance	UA	03/29/2024	8.09	433.58
AW-15	Compliance	UA	04/29/2024	8.04	433.64
AW-15	Compliance	UA	05/15/2024	8.03	433.64
AW-15	Compliance	UA	06/15/2024	8.34	433.33
AW-15	Compliance	UA	07/15/2024	8.50	433.18
AW-15	Compliance	UA	08/28/2024	8.83	432.71
AW-15	Compliance	UA	09/28/2024	9.29	432.25
AW-15	Compliance	UA	10/28/2024	9.90	431.65
AW-15	Compliance	UA	11/13/2024	9.98	431.56
AW-15	Compliance	UA	12/04/2024	9.76	431.79
AW-15S	Compliance	PMP	01/06/2024	9.63	431.24
AW-15S	Compliance	PMP	02/06/2024	9.50	431.38
AW-15S	Compliance	PMP	03/29/2024	9.45	431.42
AW-15S	Compliance	PMP	04/29/2024	8.94	431.94
AW-15S	Compliance	PMP	05/15/2024	9.73	431.14
AW-15S	Compliance	PMP	06/15/2024	9.72	431.15

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
AW-15S	Compliance	PMP	07/15/2024	9.91	430.97
AW-15S	Compliance	PMP	08/28/2024	9.74	431.01
AW-15S	Compliance	PMP	09/28/2024	10.22	430.53
AW-15S	Compliance	PMP	10/28/2024	11.31	429.45
AW-15S	Compliance	PMP	11/13/2024	10.98	429.77
AW-15S	Compliance	PMP	12/04/2024	9.95	430.81
AW-16	Compliance	UA	01/06/2024	25.65	436.30
AW-16	Compliance	UA	02/06/2024	25.14	436.82
AW-16	Compliance	UA	03/29/2024	24.66	437.29
AW-16	Compliance	UA	04/29/2024	24.35	437.61
AW-16	Compliance	UA	05/15/2024	24.30	437.65
AW-16	Compliance	UA	06/15/2024	24.47	437.48
AW-16	Compliance	UA	07/15/2024	24.69	437.27
AW-16	Compliance	UA	08/28/2024	24.92	437.10
AW-16	Compliance	UA	09/28/2024	25.22	436.80
AW-16	Compliance	UA	10/28/2024	25.72	436.31
AW-16	Compliance	UA	11/13/2024	25.99	436.03
AW-16	Compliance	UA	12/04/2024	26.27	435.76
AW-17	Compliance	UA	01/06/2024	25.95	436.31
AW-17	Compliance	UA	02/06/2024	26.00	436.27
AW-17	Compliance	UA	03/29/2024	25.59	436.67
AW-17	Compliance	UA	04/29/2024	25.29	436.98
AW-17	Compliance	UA	05/15/2024	25.06	437.20
AW-17	Compliance	UA	06/15/2024	25.43	436.83
AW-17	Compliance	UA	07/15/2024	25.64	436.63
AW-17	Compliance	UA	08/28/2024	25.68	436.53
AW-17	Compliance	UA	09/28/2024	DM ⁷	
AW-17	Compliance	UA	10/28/2024	26.48	435.74
AW-17	Compliance	UA	11/13/2024	26.59	435.62
AW-17	Compliance	UA	12/04/2024	26.22	436.00
AW-18	Compliance	UA	01/06/2024	27.44	435.37
AW-18	Compliance	UA	02/06/2024	27.23	435.59
AW-18	Compliance	UA	03/29/2024	27.23	435.58
AW-18	Compliance	UA	04/29/2024	26.45	436.37
AW-18	Compliance	UA	05/15/2024	26.95	435.86
AW-18	Compliance	UA	06/15/2024	27.78	435.03
AW-18	Compliance	UA	07/15/2024	27.94	434.88
AW-18	Compliance	UA	08/28/2024	27.81	435.05
AW-18	Compliance	UA	09/28/2024	28.28	434.58
AW-18	Compliance	UA	10/28/2024	29.15	433.72
AW-18	Compliance	UA	11/13/2024	28.18	434.68
AW-18	Compliance	UA	12/04/2024	27.73	435.14
AW-19	Compliance	UA	01/06/2024	13.90	447.00
AW-19	Compliance	UA	02/06/2024	13.73	447.18
AW-19	Compliance	UA	03/29/2024	13.98	446.92
AW-19	Compliance	UA	04/29/2024	13.45	447.46

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
AW-19	Compliance	UA	05/15/2024	13.56	447.35
AW-19	Compliance	UA	06/15/2024	14.17	446.73
AW-19	Compliance	UA	07/15/2024	14.16	446.75
AW-19	Compliance	UA	08/28/2024	13.98	446.91
AW-19	Compliance	UA	09/28/2024	14.38	446.51
AW-19	Compliance	UA	10/28/2024	14.68	446.22
AW-19	Compliance	UA	11/13/2024	14.05	446.84
AW-19	Compliance	UA	12/04/2024	14.03	446.87
AW-21	Compliance	UA	01/06/2024	16.97	443.80
AW-21	Compliance	UA	02/06/2024	16.71	444.07
AW-21	Compliance	UA	03/29/2024	16.70	444.08
AW-21	Compliance	UA	04/29/2024	15.67	445.11
AW-21	Compliance	UA	05/15/2024	16.37	444.40
AW-21	Compliance	UA	06/15/2024	17.70	443.07
AW-21	Compliance	UA	07/15/2024	17.90	442.88
AW-21	Compliance	UA	08/28/2024	17.73	443.05
AW-21	Compliance	UA	09/28/2024	18.35	442.43
AW-21	Compliance	UA	10/28/2024	18.71	442.08
AW-21	Compliance	UA	11/13/2024	17.46	443.32
AW-21	Compliance	UA	12/04/2024	17.64	443.15
XPW01A	Water Level	CCR	01/06/2024	11.77	452.55
XPW01A	Water Level	CCR	02/06/2024	11.48	452.85
XPW01A	Water Level	CCR	03/29/2024	11.52	452.80
XPW01A	Water Level	CCR	04/29/2024	10.29	454.04
XPW01A	Water Level	CCR	05/15/2024	11.18	453.14
XPW01A	Water Level	CCR	06/15/2024	12.16	452.16
XPW01A	Water Level	CCR	07/15/2024	11.89	452.44
XPW01A	Water Level	CCR	08/28/2024	11.94	452.35
XPW01A	Water Level	CCR	09/28/2024	12.54	451.75
XPW01A	Water Level	CCR	10/28/2024	12.98	451.32
XPW01A	Water Level	CCR	11/13/2024	11.76	452.53
XPW01A	Water Level	CCR	12/04/2024	12.08	452.22
XPW02	Water Level	CCR	01/06/2024	20.29	453.66
XPW02	Water Level	CCR	02/06/2024	19.36	454.60
XPW02	Water Level	CCR	03/29/2024	20.01	453.94
XPW02	Water Level	CCR	04/29/2024	18.45	455.51
XPW02	Water Level	CCR	05/15/2024	18.93	455.02
XPW02	Water Level	CCR	06/15/2024	20.31	453.64
XPW02	Water Level	CCR	07/15/2024	20.59	453.37
XPW02	Water Level	CCR	08/28/2024	20.53	453.37
XPW02	Water Level	CCR	09/28/2024	21.44	452.46
XPW02	Water Level	CCR	10/28/2024	22.38	451.53
XPW02	Water Level	CCR	11/13/2024	21.08	452.82
XPW02	Water Level	CCR	12/04/2024	20.79	453.12
XPW03	Water Level	CCR	01/06/2024	17.26	448.94
XPW03	Water Level	CCR	02/06/2024	16.57	449.64

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
XPW03	Water Level	CCR	03/29/2024	16.36	449.84
XPW03	Water Level	CCR	04/29/2024	15.86	450.35
XPW03	Water Level	CCR	05/15/2024	15.76	450.44
XPW03	Water Level	CCR	06/15/2024	16.45	449.75
XPW03	Water Level	CCR	07/15/2024	16.59	449.62
XPW03	Water Level	CCR	08/28/2024	16.12	450.04
XPW03	Water Level	CCR	09/28/2024	16.92	449.24
XPW03	Water Level	CCR	10/28/2024	17.79	448.38
XPW03	Water Level	CCR	11/13/2024	16.94	449.22
XPW03	Water Level	CCR	12/04/2024	18.08	448.09
SG-01	Water Level	SW	01/06/2024	NA	434.77
SG-01	Water Level	SW	02/06/2024	NA	447.00
SG-01	Water Level	SW	03/29/2024	NA	438.79
SG-01	Water Level	SW	04/29/2024	NA	443.00
SG-01	Water Level	SW	05/15/2024	NA	444.61
SG-01	Water Level	SW	06/15/2024	NA	436.01
SG-01	Water Level	SW	07/15/2024	NA	436.00
SG-01	Water Level	SW	08/28/2024	31.80	434.41
SG-01	Water Level	SW	09/28/2024	29.17	437.04
SG-01	Water Level	SW	10/28/2024	31.00	435.22
SG-01	Water Level	SW	11/13/2024	34.80	431.41
SG-01	Water Level	SW	12/04/2024	35.69	430.53

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.
NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:
CCR = coal combustion residuals
PMP = potential migration pathway
SW = surface water
UA = uppermost aquifer

ATTACHMENT B
COMPARISON TO BACKGROUND

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AP07S	PMP	E004	Antimony, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.003	0.003
AP07S	PMP	E004	Arsenic, total	mg/L	02/10/21 - 02/08/24	13	85	CI around median	0.001	0.0300
AP07S	PMP	E004	Barium, total	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	0.0708	2.07
AP07S	PMP	E004	Beryllium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.001	0.00190
AP07S	PMP	E004	Boron, total	mg/L	02/10/21 - 02/08/24	13	0	CB around linear reg	6.93	0.535
AP07S	PMP	E004	Cadmium, total	mg/L	02/10/21 - 02/08/24	13	85	CI around median	0.001	0.00100
AP07S	PMP	E004	Chloride, total	mg/L	02/10/21 - 02/08/24	13	0	CI around geomean	76.4	56.0
AP07S	PMP	E004	Chromium, total	mg/L	02/10/21 - 02/08/24	13	69	CI around median	0.004	0.0480
AP07S	PMP	E004	Cobalt, total	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	0.00237	0.0280
AP07S	PMP	E004	Fluoride, total	mg/L	02/10/21 - 02/08/24	13	69	CI around median	0.25	0.396
AP07S	PMP	E004	Lead, total	mg/L	02/10/21 - 02/08/24	13	62	CI around median	0.001	0.0330
AP07S	PMP	E004	Lithium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.02	0.0710
AP07S	PMP	E004	Mercury, total	mg/L	02/10/21 - 02/08/24	13	92	CI around median	0.0002	0.0002
AP07S	PMP	E004	Molybdenum, total	mg/L	02/10/21 - 02/08/24	13	46	CI around median	0.001	0.00620
AP07S	PMP	E004	pH (field)	SU	02/10/21 - 02/08/24	13	0	CI around mean	6.6/7.0	6.3/7.1
AP07S	PMP	E004	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 02/08/24	13	0	CI around mean	0.569	9.60
AP07S	PMP	E004	Selenium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.001	0.00320
AP07S	PMP	E004	Sulfate, total	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	211	6.48
AP07S	PMP	E004	Thallium, total	mg/L	02/10/21 - 02/08/24	13	100	All ND - Last	0.001	0.001
AP07S	PMP	E004	Total Dissolved Solids	mg/L	02/10/21 - 02/08/24	13	0	CI around mean	791	1,050
AW-01	PMP	E004	Antimony, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.003	0.003
AW-01	PMP	E004	Arsenic, total	mg/L	11/18/22 - 02/08/24	8	0	CI around mean	0.00215	0.0300
AW-01	PMP	E004	Barium, total	mg/L	11/18/22 - 02/08/24	8	0	CI around mean	0.101	2.07
AW-01	PMP	E004	Beryllium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.001	0.00190
AW-01	PMP	E004	Boron, total	mg/L	11/18/22 - 02/08/24	8	0	CI around median	0.072	0.535
AW-01	PMP	E004	Cadmium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.001	0.00100
AW-01	PMP	E004	Chloride, total	mg/L	11/18/22 - 02/08/24	8	0	CI around median	10	56.0

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-01	PMP	E004	Chromium, total	mg/L	11/18/22 - 02/08/24	8	75	CI around median	0.004	0.0480
AW-01	PMP	E004	Cobalt, total	mg/L	11/18/22 - 02/08/24	8	12	CI around mean	0.00224	0.0280
AW-01	PMP	E004	Fluoride, total	mg/L	11/18/22 - 02/08/24	8	50	CI around mean	0.247	0.396
AW-01	PMP	E004	Lead, total	mg/L	11/18/22 - 02/08/24	8	75	CI around median	0.001	0.0330
AW-01	PMP	E004	Lithium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.02	0.0710
AW-01	PMP	E004	Mercury, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.0002	0.0002
AW-01	PMP	E004	Molybdenum, total	mg/L	11/18/22 - 02/08/24	8	0	CI around mean	0.00263	0.00620
AW-01	PMP	E004	pH (field)	SU	11/18/22 - 02/08/24	8	0	CI around mean	6.6/7.1	6.3/7.1
AW-01	PMP	E004	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 02/08/24	8	0	CI around mean	-0.393	9.60
AW-01	PMP	E004	Selenium, total	mg/L	11/18/22 - 02/08/24	8	88	CI around median	0.001	0.00320
AW-01	PMP	E004	Sulfate, total	mg/L	11/18/22 - 02/08/24	8	0	CI around median	41	6.48
AW-01	PMP	E004	Thallium, total	mg/L	11/18/22 - 02/08/24	8	100	All ND - Last	0.001	0.001
AW-01	PMP	E004	Total Dissolved Solids	mg/L	11/18/22 - 02/08/24	8	0	CI around geomean	730	1,050
AW-05	UA	E004	Antimony, total	mg/L	11/09/15 - 02/08/24	17	94	Most recent sample	0.003	0.003
AW-05	UA	E004	Arsenic, total	mg/L	11/09/15 - 02/08/24	17	0	CI around geomean	0.00392	0.0300
AW-05	UA	E004	Barium, total	mg/L	11/09/15 - 02/08/24	17	0	CI around geomean	0.14	2.07
AW-05	UA	E004	Beryllium, total	mg/L	11/09/15 - 02/08/24	16	88	CI around median	0.001	0.00190
AW-05	UA	E004	Boron, total	mg/L	11/09/15 - 02/08/24	18	0	CB around linear reg	3.32	0.535
AW-05	UA	E004	Cadmium, total	mg/L	11/09/15 - 02/08/24	17	88	CI around median	0.001	0.00100
AW-05	UA	E004	Chloride, total	mg/L	11/09/15 - 02/08/24	18	0	CB around linear reg	-133	56.0
AW-05	UA	E004	Chromium, total	mg/L	11/09/15 - 02/08/24	17	29	CI around geomean	0.00579	0.0480
AW-05	UA	E004	Cobalt, total	mg/L	11/09/15 - 02/08/24	17	18	CI around geomean	0.00358	0.0280
AW-05	UA	E004	Fluoride, total	mg/L	11/09/15 - 02/08/24	18	56	CI around median	0.25	0.396
AW-05	UA	E004	Lead, total	mg/L	11/09/15 - 02/08/24	16	31	CI around geomean	0.00179	0.0330
AW-05	UA	E004	Lithium, total	mg/L	11/09/15 - 02/08/24	17	29	CI around median	0.02	0.0710
AW-05	UA	E004	Mercury, total	mg/L	11/09/15 - 02/08/24	17	94	CI around median	0.0002	0.0002
AW-05	UA	E004	Molybdenum, total	mg/L	11/09/15 - 02/08/24	17	0	CI around mean	0.00208	0.00620

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-05	UA	E004	pH (field)	SU	11/09/15 - 02/08/24	18	0	CI around mean	6.9/7.1	6.3/7.1
AW-05	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/08/24	17	0	CI around mean	0.664	9.60
AW-05	UA	E004	Selenium, total	mg/L	11/09/15 - 02/08/24	17	53	CI around median	0.001	0.00320
AW-05	UA	E004	Sulfate, total	mg/L	11/09/15 - 02/08/24	18	0	CI around median	280	6.48
AW-05	UA	E004	Thallium, total	mg/L	11/09/15 - 02/08/24	16	100	All ND - Last	0.001	0.001
AW-05	UA	E004	Total Dissolved Solids	mg/L	11/09/15 - 02/08/24	18	0	CI around geomean	1,020	1,050
AW-06	UA	E004	Antimony, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.003	0.003
AW-06	UA	E004	Arsenic, total	mg/L	11/10/15 - 02/07/24	23	0	CI around geomean	0.00315	0.0300
AW-06	UA	E004	Barium, total	mg/L	11/10/15 - 02/07/24	23	0	CI around median	0.18	2.07
AW-06	UA	E004	Beryllium, total	mg/L	11/10/15 - 02/07/24	23	87	CI around median	0.001	0.00190
AW-06	UA	E004	Boron, total	mg/L	11/10/15 - 02/07/24	24	0	CB around linear reg	0.0566	0.535
AW-06	UA	E004	Cadmium, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.001	0.00100
AW-06	UA	E004	Chloride, total	mg/L	11/10/15 - 02/07/24	24	0	CB around T-S line	13.8	56.0
AW-06	UA	E004	Chromium, total	mg/L	11/10/15 - 02/07/24	23	52	CI around median	0.004	0.0480
AW-06	UA	E004	Cobalt, total	mg/L	11/10/15 - 02/07/24	23	56	CI around median	0.002	0.0280
AW-06	UA	E004	Fluoride, total	mg/L	11/10/15 - 02/07/24	24	8	CB around T-S line	0.188	0.396
AW-06	UA	E004	Lead, total	mg/L	11/10/15 - 02/07/24	23	35	CI around median	0.001	0.0330
AW-06	UA	E004	Lithium, total	mg/L	11/10/15 - 02/07/24	23	48	CI around geomean	0.0128	0.0710
AW-06	UA	E004	Mercury, total	mg/L	11/10/15 - 02/07/24	18	94	CI around median	0.0002	0.0002
AW-06	UA	E004	Molybdenum, total	mg/L	11/10/15 - 02/07/24	23	0	CI around mean	0.00487	0.00620
AW-06	UA	E004	pH (field)	SU	11/10/15 - 02/07/24	24	0	CI around median	7.1/7.3	6.3/7.1
AW-06	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/07/24	23	0	CI around mean	0.708	9.60
AW-06	UA	E004	Selenium, total	mg/L	11/10/15 - 02/07/24	23	74	CI around median	0.001	0.00320
AW-06	UA	E004	Sulfate, total	mg/L	11/10/15 - 02/07/24	24	0	CB around linear reg	17.5	6.48
AW-06	UA	E004	Thallium, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.001	0.001
AW-06	UA	E004	Total Dissolved Solids	mg/L	11/10/15 - 02/07/24	24	0	CI around mean	512	1,050
AW-09	UA	E004	Antimony, total	mg/L	11/10/15 - 02/07/24	18	100	All ND - Last	0.003	0.003

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AW-09	UA	E004	Arsenic, total	mg/L	11/10/15 - 02/07/24	23	13	CI around mean	0.0113	0.0300
AW-09	UA	E004	Barium, total	mg/L	11/10/15 - 02/07/24	23	0	CI around geomean	0.29	2.07
AW-09	UA	E004	Beryllium, total	mg/L	11/10/15 - 02/07/24	23	83	CB around T-S line	-0.000357	0.00190
AW-09	UA	E004	Boron, total	mg/L	11/10/15 - 02/07/24	24	0	CB around linear reg	-0.102	0.535
AW-09	UA	E004	Cadmium, total	mg/L	11/10/15 - 02/07/24	18	89	CI around median	0.001	0.00100
AW-09	UA	E004	Chloride, total	mg/L	11/10/15 - 02/07/24	24	0	CI around median	27	56.0
AW-09	UA	E004	Chromium, total	mg/L	11/10/15 - 02/07/24	23	56	CB around T-S line	-0.0511	0.0480
AW-09	UA	E004	Cobalt, total	mg/L	11/10/15 - 02/07/24	23	4	CB around T-S line	-0.0271	0.0280
AW-09	UA	E004	Fluoride, total	mg/L	11/10/15 - 02/07/24	24	62	CB around T-S line	0.187	0.396
AW-09	UA	E004	Lead, total	mg/L	11/10/15 - 02/07/24	23	44	CI around median	0.001	0.0330
AW-09	UA	E004	Lithium, total	mg/L	11/10/15 - 02/07/24	23	35	CB around T-S line	-0.0509	0.0710
AW-09	UA	E004	Mercury, total	mg/L	11/10/15 - 02/07/24	18	94	CI around median	0.0002	0.0002
AW-09	UA	E004	Molybdenum, total	mg/L	11/10/15 - 02/07/24	23	0	CI around mean	0.0143	0.00620
AW-09	UA	E004	pH (field)	SU	11/10/15 - 02/07/24	24	0	CB around linear reg	6.9/7.2	6.3/7.1
AW-09	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 02/07/24	23	0	CI around median	0.729	9.60
AW-09	UA	E004	Selenium, total	mg/L	11/10/15 - 02/07/24	23	65	CB around T-S line	-0.00204	0.00320
AW-09	UA	E004	Sulfate, total	mg/L	11/10/15 - 02/07/24	24	54	CB around T-S line	-22.2	6.48
AW-09	UA	E004	Thallium, total	mg/L	11/10/15 - 02/07/24	18	94	CI around median	0.001	0.001
AW-09	UA	E004	Total Dissolved Solids	mg/L	11/10/15 - 02/07/24	24	0	CB around T-S line	756	1,050
AW-10	UA	E004	Antimony, total	mg/L	11/09/15 - 02/08/24	19	100	All ND - Last	0.003	0.003
AW-10	UA	E004	Arsenic, total	mg/L	11/09/15 - 02/08/24	24	0	CI around median	0.0099	0.0300
AW-10	UA	E004	Barium, total	mg/L	11/09/15 - 02/08/24	24	0	CI around median	0.98	2.07
AW-10	UA	E004	Beryllium, total	mg/L	11/09/15 - 02/08/24	24	75	CI around median	0.001	0.00190
AW-10	UA	E004	Boron, total	mg/L	11/09/15 - 02/08/24	25	0	CI around mean	0.463	0.535
AW-10	UA	E004	Cadmium, total	mg/L	11/09/15 - 02/08/24	19	95	CI around median	0.001	0.00100
AW-10	UA	E004	Chloride, total	mg/L	11/09/15 - 02/08/24	25	0	CI around geomean	87.1	56.0
AW-10	UA	E004	Chromium, total	mg/L	11/09/15 - 02/08/24	24	33	CI around median	0.004	0.0480

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-10	UA	E004	Cobalt, total	mg/L	11/09/15 - 02/08/24	24	4	CI around geomean	0.00378	0.0280
AW-10	UA	E004	Fluoride, total	mg/L	11/09/15 - 02/08/24	25	96	CI around median	0.25	0.396
AW-10	UA	E004	Lead, total	mg/L	11/09/15 - 02/08/24	24	12	CI around geomean	0.002	0.0330
AW-10	UA	E004	Lithium, total	mg/L	11/09/15 - 02/08/24	24	0	CB around T-S line	-0.0292	0.0710
AW-10	UA	E004	Mercury, total	mg/L	11/09/15 - 02/08/24	19	95	CI around median	0.0002	0.0002
AW-10	UA	E004	Molybdenum, total	mg/L	11/09/15 - 02/08/24	24	25	CB around T-S line	-0.000447	0.00620
AW-10	UA	E004	pH (field)	SU	11/09/15 - 02/08/24	26	0	CI around mean	6.9/7.1	6.3/7.1
AW-10	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/08/24	24	0	CI around mean	2.32	9.60
AW-10	UA	E004	Selenium, total	mg/L	11/09/15 - 02/08/24	24	62	CI around median	0.001	0.00320
AW-10	UA	E004	Sulfate, total	mg/L	11/09/15 - 02/08/24	25	80	CB around T-S line	0.794	6.48
AW-10	UA	E004	Thallium, total	mg/L	11/09/15 - 02/08/24	19	95	CI around median	0.001	0.001
AW-10	UA	E004	Total Dissolved Solids	mg/L	11/09/15 - 02/08/24	25	0	CI around median	1,100	1,050
AW-11	UA	E004	Antimony, total	mg/L	11/09/15 - 02/08/24	18	100	All ND - Last	0.003	0.003
AW-11	UA	E004	Arsenic, total	mg/L	11/09/15 - 02/08/24	23	0	CI around geomean	0.00906	0.0300
AW-11	UA	E004	Barium, total	mg/L	11/09/15 - 02/08/24	23	0	CI around geomean	0.875	2.07
AW-11	UA	E004	Beryllium, total	mg/L	11/09/15 - 02/08/24	23	78	CI around median	0.001	0.00190
AW-11	UA	E004	Boron, total	mg/L	11/09/15 - 02/08/24	24	0	CI around mean	0.223	0.535
AW-11	UA	E004	Cadmium, total	mg/L	11/09/15 - 02/08/24	18	83	CI around median	0.001	0.00100
AW-11	UA	E004	Chloride, total	mg/L	11/09/15 - 02/08/24	24	0	CI around mean	31.3	56.0
AW-11	UA	E004	Chromium, total	mg/L	11/09/15 - 02/08/24	23	52	CB around T-S line	-0.0197	0.0480
AW-11	UA	E004	Cobalt, total	mg/L	11/09/15 - 02/08/24	23	30	CB around T-S line	-0.00666	0.0280
AW-11	UA	E004	Fluoride, total	mg/L	11/09/15 - 02/08/24	24	88	CI around median	0.25	0.396
AW-11	UA	E004	Lead, total	mg/L	11/09/15 - 02/08/24	23	39	CB around T-S line	-0.0096	0.0330
AW-11	UA	E004	Lithium, total	mg/L	11/09/15 - 02/08/24	23	17	CB around T-S line	-0.0107	0.0710
AW-11	UA	E004	Mercury, total	mg/L	11/09/15 - 02/08/24	18	100	All ND - Last	0.0002	0.0002
AW-11	UA	E004	Molybdenum, total	mg/L	11/09/15 - 02/08/24	23	9	CB around linear reg	-0.00135	0.00620
AW-11	UA	E004	pH (field)	SU	11/09/15 - 02/08/24	24	0	CI around median	6.9/7.2	6.3/7.1

ATTACHMENT C.
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ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-11	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 02/08/24	23	0	CI around geomean	1.56	9.60
AW-11	UA	E004	Selenium, total	mg/L	11/09/15 - 02/08/24	23	70	CB around T-S line	0.000228	0.00320
AW-11	UA	E004	Sulfate, total	mg/L	11/09/15 - 02/08/24	24	67	CB around T-S line	0.235	6.48
AW-11	UA	E004	Thallium, total	mg/L	11/09/15 - 02/08/24	18	100	All ND - Last	0.001	0.001
AW-11	UA	E004	Total Dissolved Solids	mg/L	11/09/15 - 02/08/24	24	0	CB around T-S line	920	1,050
AW-14	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	12	92	CI around median	0.003	0.003
AW-14	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	12	0	CB around linear reg	0.00037	0.0300
AW-14	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	12	0	CI around mean	0.63	2.07
AW-14	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.001	0.00190
AW-14	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	12	0	CI around median	0.17	0.535
AW-14	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.001	0.00100
AW-14	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	12	0	CI around geomean	23.2	56.0
AW-14	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	12	92	CI around median	0.004	0.0480
AW-14	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	12	17	CB around linear reg	-0.00202	0.0280
AW-14	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	12	83	CI around median	0.25	0.396
AW-14	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	12	67	CI around median	0.001	0.0330
AW-14	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	12	58	CI around median	0.02	0.0710
AW-14	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.0002	0.0002
AW-14	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	12	25	CI around geomean	0.0015	0.00620
AW-14	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	12	0	CI around mean	6.8/7.0	6.3/7.1
AW-14	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	12	0	CI around mean	1.87	9.60
AW-14	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	12	83	CI around median	0.001	0.00320
AW-14	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	12	17	CI around geomean	1.89	6.48
AW-14	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	12	100	All ND - Last	0.001	0.001
AW-14	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	12	0	CI around mean	914	1,050
AW-15	UA	E004	Antimony, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.003	0.003
AW-15	UA	E004	Arsenic, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	0.00171	0.0300

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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
AW-15	UA	E004	Barium, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	1.64	2.07
AW-15	UA	E004	Beryllium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.00190
AW-15	UA	E004	Boron, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	0.346	0.535
AW-15	UA	E004	Cadmium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.00100
AW-15	UA	E004	Chloride, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	33.4	56.0
AW-15	UA	E004	Chromium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.004	0.0480
AW-15	UA	E004	Cobalt, total	mg/L	02/12/21 - 02/08/24	10	90	CI around median	0.002	0.0280
AW-15	UA	E004	Fluoride, total	mg/L	02/12/21 - 02/08/24	10	80	CI around median	0.25	0.396
AW-15	UA	E004	Lead, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.0330
AW-15	UA	E004	Lithium, total	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	0.0286	0.0710
AW-15	UA	E004	Mercury, total	mg/L	02/12/21 - 02/08/24	10	90	CI around median	0.0002	0.0002
AW-15	UA	E004	Molybdenum, total	mg/L	02/12/21 - 02/08/24	10	80	CI around median	0.001	0.00620
AW-15	UA	E004	pH (field)	SU	02/12/21 - 02/08/24	9	0	CI around mean	6.7/6.9	6.3/7.1
AW-15	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/08/24	10	0	CI around mean	3.25	9.60
AW-15	UA	E004	Selenium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.00320
AW-15	UA	E004	Sulfate, total	mg/L	02/12/21 - 02/08/24	10	90	Most recent sample	1	6.48
AW-15	UA	E004	Thallium, total	mg/L	02/12/21 - 02/08/24	10	100	All ND - Last	0.001	0.001
AW-15	UA	E004	Total Dissolved Solids	mg/L	02/12/21 - 02/08/24	10	0	CI around mean	916	1,050
AW-15S	PMP	E004	Antimony, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.003	0.003
AW-15S	PMP	E004	Arsenic, total	mg/L	02/12/21 - 02/08/24	13	62	CI around median	0.001	0.0300
AW-15S	PMP	E004	Barium, total	mg/L	02/12/21 - 02/08/24	13	0	CB around T-S line	-0.0712	2.07
AW-15S	PMP	E004	Beryllium, total	mg/L	02/12/21 - 02/08/24	13	92	CI around median	0.001	0.00190
AW-15S	PMP	E004	Boron, total	mg/L	02/12/21 - 02/08/24	13	0	CI around mean	5.55	0.535
AW-15S	PMP	E004	Cadmium, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.001	0.00100
AW-15S	PMP	E004	Chloride, total	mg/L	02/12/21 - 02/08/24	13	0	CB around linear reg	21.9	56.0
AW-15S	PMP	E004	Chromium, total	mg/L	02/12/21 - 02/08/24	13	92	CI around median	0.004	0.0480
AW-15S	PMP	E004	Cobalt, total	mg/L	02/12/21 - 02/08/24	13	92	CI around median	0.002	0.0280

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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
AW-15S	PMP	E004	Fluoride, total	mg/L	02/12/21 - 02/08/24	13	31	CI around median	0.25	0.396
AW-15S	PMP	E004	Lead, total	mg/L	02/12/21 - 02/08/24	13	85	CI around median	0.001	0.0330
AW-15S	PMP	E004	Lithium, total	mg/L	02/12/21 - 02/08/24	13	85	CI around median	0.02	0.0710
AW-15S	PMP	E004	Mercury, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.0002	0.0002
AW-15S	PMP	E004	Molybdenum, total	mg/L	02/12/21 - 02/08/24	13	0	CB around linear reg	0.00218	0.00620
AW-15S	PMP	E004	pH (field)	SU	02/12/21 - 02/08/24	13	0	CI around mean	6.8/7.0	6.3/7.1
AW-15S	PMP	E004	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 02/08/24	12	0	CI around mean	0.376	9.60
AW-15S	PMP	E004	Selenium, total	mg/L	02/12/21 - 02/08/24	13	38	CI around median	0.001	0.00320
AW-15S	PMP	E004	Sulfate, total	mg/L	02/12/21 - 02/08/24	13	0	CI around mean	520	6.48
AW-15S	PMP	E004	Thallium, total	mg/L	02/12/21 - 02/08/24	13	100	All ND - Last	0.001	0.001
AW-15S	PMP	E004	Total Dissolved Solids	mg/L	02/12/21 - 02/08/24	13	0	CI around mean	1,190	1,050
AW-16	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.003	0.003
AW-16	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	13	23	CI around mean	0.00116	0.0300
AW-16	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	0.975	2.07
AW-16	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00190
AW-16	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	0.461	0.535
AW-16	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00100
AW-16	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	49.4	56.0
AW-16	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.004	0.0480
AW-16	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.002	0.0280
AW-16	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.25	0.396
AW-16	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.0330
AW-16	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.032	0.0710
AW-16	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	13	92	CI around median	0.0002	0.0002
AW-16	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00620
AW-16	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	13	0	CI around mean	6.6/6.8	6.3/7.1
AW-16	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	13	0	CB around linear reg	1.78	9.60

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AW-16	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00320
AW-16	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	13	85	CI around median	1	6.48
AW-16	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.001
AW-16	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	13	0	CI around geomean	1,060	1,050
AW-17	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.003	0.003
AW-17	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	0.00227	0.0300
AW-17	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	1.02	2.07
AW-17	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00190
AW-17	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	0.417	0.535
AW-17	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00100
AW-17	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	52	56.0
AW-17	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.004	0.0480
AW-17	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.0022	0.0280
AW-17	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	13	92	CI around median	0.25	0.396
AW-17	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.001	0.0330
AW-17	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	0.00358	0.0710
AW-17	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	13	92	CI around median	0.0002	0.0002
AW-17	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	13	46	CB around linear reg	-1.69e-05	0.00620
AW-17	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	13	0	CI around mean	6.6/7.0	6.3/7.1
AW-17	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	13	0	CI around mean	2.56	9.60
AW-17	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00320
AW-17	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	1	6.48
AW-17	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.001
AW-17	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	835	1,050
AW-18	UA	E004	Antimony, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.003	0.003
AW-18	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.00333	0.0300
AW-18	UA	E004	Barium, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	1.21	2.07

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AW-18	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.00190
AW-18	UA	E004	Boron, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.594	0.535
AW-18	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.00100
AW-18	UA	E004	Chloride, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	83.7	56.0
AW-18	UA	E004	Chromium, total	mg/L	02/11/21 - 02/07/24	13	92	CI around median	0.004	0.0480
AW-18	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/07/24	13	77	CI around median	0.002	0.0280
AW-18	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/07/24	13	54	CI around median	0.25	0.396
AW-18	UA	E004	Lead, total	mg/L	02/11/21 - 02/07/24	13	77	CI around median	0.001	0.0330
AW-18	UA	E004	Lithium, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	-0.0217	0.0710
AW-18	UA	E004	Mercury, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.0002	0.0002
AW-18	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/07/24	13	0	CB around linear reg	-0.0118	0.00620
AW-18	UA	E004	pH (field)	SU	02/11/21 - 02/07/24	13	0	CI around mean	6.7/7.0	6.3/7.1
AW-18	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/07/24	13	0	CI around mean	2.38	9.60
AW-18	UA	E004	Selenium, total	mg/L	02/11/21 - 02/07/24	13	92	CI around median	0.001	0.00320
AW-18	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	4.19	6.48
AW-18	UA	E004	Thallium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.001
AW-18	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	789	1,050
AW-19	UA	E004	Antimony, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.003	0.003
AW-19	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	0.0114	0.0300
AW-19	UA	E004	Barium, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.18	2.07
AW-19	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00190
AW-19	UA	E004	Boron, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	2.55	0.535
AW-19	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00100
AW-19	UA	E004	Chloride, total	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	76.6	56.0
AW-19	UA	E004	Chromium, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.004	0.0480
AW-19	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.002	0.0280
AW-19	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/08/24	13	8	CB around linear reg	0.13	0.396

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-19	UA	E004	Lead, total	mg/L	02/11/21 - 02/08/24	13	46	CI around median	0.001	0.0330
AW-19	UA	E004	Lithium, total	mg/L	02/11/21 - 02/08/24	13	69	CI around median	0.02	0.0710
AW-19	UA	E004	Mercury, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.0002	0.0002
AW-19	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/08/24	13	0	CI around median	0.0035	0.00620
AW-19	UA	E004	pH (field)	SU	02/11/21 - 02/08/24	13	0	CI around mean	6.7/7.1	6.3/7.1
AW-19	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/08/24	13	0	CI around mean	0.483	9.60
AW-19	UA	E004	Selenium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.00320
AW-19	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/08/24	13	0	CB around linear reg	52.4	6.48
AW-19	UA	E004	Thallium, total	mg/L	02/11/21 - 02/08/24	13	100	All ND - Last	0.001	0.001
AW-19	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/08/24	13	0	CI around mean	560	1,050
AW-21	UA	E004	Antimony, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.003	0.003
AW-21	UA	E004	Arsenic, total	mg/L	02/11/21 - 02/07/24	13	23	CI around mean	0.00108	0.0300
AW-21	UA	E004	Barium, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.0599	2.07
AW-21	UA	E004	Beryllium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.00190
AW-21	UA	E004	Boron, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	10.4	0.535
AW-21	UA	E004	Cadmium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.00100
AW-21	UA	E004	Chloride, total	mg/L	02/11/21 - 02/07/24	13	0	CI around median	83	56.0
AW-21	UA	E004	Chromium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.004	0.0480
AW-21	UA	E004	Cobalt, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.002	0.0280
AW-21	UA	E004	Fluoride, total	mg/L	02/11/21 - 02/07/24	13	8	CB around linear reg	0.0908	0.396
AW-21	UA	E004	Lead, total	mg/L	02/11/21 - 02/07/24	13	92	CI around median	0.001	0.0330
AW-21	UA	E004	Lithium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.02	0.0710
AW-21	UA	E004	Mercury, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.0002	0.0002
AW-21	UA	E004	Molybdenum, total	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	0.0173	0.00620
AW-21	UA	E004	pH (field)	SU	02/11/21 - 02/07/24	13	0	CI around median	7.1/7.3	6.3/7.1
AW-21	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 02/07/24	13	0	CI around mean	0.469	9.60
AW-21	UA	E004	Selenium, total	mg/L	02/11/21 - 02/07/24	13	69	CB around T-S line	0.001	0.00320

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ASH POND
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AW-21	UA	E004	Sulfate, total	mg/L	02/11/21 - 02/07/24	13	0	CI around median	230	6.48
AW-21	UA	E004	Thallium, total	mg/L	02/11/21 - 02/07/24	13	100	All ND - Last	0.001	0.001
AW-21	UA	E004	Total Dissolved Solids	mg/L	02/11/21 - 02/07/24	13	0	CI around mean	639	1,050

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
PMP = Potential Migration Pathway
UA = Uppermost Aquifer
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

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

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

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AP07S	PMP	E005	Antimony, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.003	0.003
AP07S	PMP	E005	Arsenic, total	mg/L	02/10/21 - 04/30/24	14	86	CI around median	0.001	0.0300
AP07S	PMP	E005	Barium, total	mg/L	02/10/21 - 04/30/24	14	0	CI around mean	0.072	2.07
AP07S	PMP	E005	Beryllium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.001	0.00190
AP07S	PMP	E005	Boron, total	mg/L	02/10/21 - 04/30/24	14	0	CB around linear reg	8.75	0.535
AP07S	PMP	E005	Cadmium, total	mg/L	02/10/21 - 04/30/24	14	86	CI around median	0.001	0.00100
AP07S	PMP	E005	Chloride, total	mg/L	02/10/21 - 04/30/24	14	0	CI around median	73	56.0
AP07S	PMP	E005	Chromium, total	mg/L	02/10/21 - 04/30/24	14	71	CI around median	0.004	0.0480
AP07S	PMP	E005	Cobalt, total	mg/L	02/10/21 - 04/30/24	14	7	CI around mean	0.00217	0.0280
AP07S	PMP	E005	Fluoride, total	mg/L	02/10/21 - 04/30/24	14	71	CI around median	0.25	0.396
AP07S	PMP	E005	Lead, total	mg/L	02/10/21 - 04/30/24	14	64	CI around median	0.001	0.0330
AP07S	PMP	E005	Lithium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.02	0.0710
AP07S	PMP	E005	Mercury, total	mg/L	02/10/21 - 04/30/24	14	93	CI around median	0.0002	0.0002
AP07S	PMP	E005	Molybdenum, total	mg/L	02/10/21 - 04/30/24	14	50	CI around median	0.001	0.00620
AP07S	PMP	E005	pH (field)	SU	02/10/21 - 04/30/24	14	0	CI around mean	6.6/7.0	6.3/7.1
AP07S	PMP	E005	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 04/30/24	14	0	CI around mean	0.567	9.60
AP07S	PMP	E005	Selenium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.001	0.00320
AP07S	PMP	E005	Sulfate, total	mg/L	02/10/21 - 04/30/24	14	0	CI around mean	227	6.48
AP07S	PMP	E005	Thallium, total	mg/L	02/10/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
AP07S	PMP	E005	Total Dissolved Solids	mg/L	02/10/21 - 04/30/24	14	0	CI around mean	834	1,050
AW-01	PMP	E005	Antimony, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.003	0.003
AW-01	PMP	E005	Arsenic, total	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	0.00263	0.0300
AW-01	PMP	E005	Barium, total	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	0.0979	2.07
AW-01	PMP	E005	Beryllium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.001	0.00190
AW-01	PMP	E005	Boron, total	mg/L	11/18/22 - 04/30/24	9	0	CI around median	0.072	0.535
AW-01	PMP	E005	Cadmium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.001	0.00100
AW-01	PMP	E005	Chloride, total	mg/L	11/18/22 - 04/30/24	9	0	CI around median	10	56.0

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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
AW-01	PMP	E005	Chromium, total	mg/L	11/18/22 - 04/30/24	9	78	CI around median	0.004	0.0480
AW-01	PMP	E005	Cobalt, total	mg/L	11/18/22 - 04/30/24	9	22	CI around mean	0.00251	0.0280
AW-01	PMP	E005	Fluoride, total	mg/L	11/18/22 - 04/30/24	9	56	CI around median	0.25	0.396
AW-01	PMP	E005	Lead, total	mg/L	11/18/22 - 04/30/24	9	78	CI around median	0.001	0.0330
AW-01	PMP	E005	Lithium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.02	0.0710
AW-01	PMP	E005	Mercury, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.0002	0.0002
AW-01	PMP	E005	Molybdenum, total	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	0.00275	0.00620
AW-01	PMP	E005	pH (field)	SU	11/18/22 - 04/30/24	9	0	CI around mean	6.7/7.1	6.3/7.1
AW-01	PMP	E005	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 04/30/24	9	0	CI around median	0.288	9.60
AW-01	PMP	E005	Selenium, total	mg/L	11/18/22 - 04/30/24	9	89	CI around median	0.001	0.00320
AW-01	PMP	E005	Sulfate, total	mg/L	11/18/22 - 04/30/24	9	0	CI around median	41	6.48
AW-01	PMP	E005	Thallium, total	mg/L	11/18/22 - 04/30/24	9	100	All ND - Last	0.001	0.001
AW-01	PMP	E005	Total Dissolved Solids	mg/L	11/18/22 - 04/30/24	9	0	CI around mean	740	1,050
AW-05	UA	E005	Antimony, total	mg/L	11/09/15 - 04/30/24	18	94	Most recent sample	0.003	0.003
AW-05	UA	E005	Arsenic, total	mg/L	11/09/15 - 04/30/24	18	0	CI around median	0.0035	0.0300
AW-05	UA	E005	Barium, total	mg/L	11/09/15 - 04/30/24	18	0	CI around geomean	0.137	2.07
AW-05	UA	E005	Beryllium, total	mg/L	11/09/15 - 04/30/24	17	88	CI around median	0.001	0.00190
AW-05	UA	E005	Boron, total	mg/L	11/09/15 - 04/30/24	19	0	CB around T-S line	2.97	0.535
AW-05	UA	E005	Cadmium, total	mg/L	11/09/15 - 04/30/24	18	89	CI around median	0.001	0.00100
AW-05	UA	E005	Chloride, total	mg/L	11/09/15 - 04/30/24	19	0	CB around linear reg	-121	56.0
AW-05	UA	E005	Chromium, total	mg/L	11/09/15 - 04/30/24	18	33	CI around geomean	0.00559	0.0480
AW-05	UA	E005	Cobalt, total	mg/L	11/09/15 - 04/30/24	18	17	CI around geomean	0.0035	0.0280
AW-05	UA	E005	Fluoride, total	mg/L	11/09/15 - 04/30/24	19	58	CI around median	0.25	0.396
AW-05	UA	E005	Lead, total	mg/L	11/09/15 - 04/30/24	17	29	CI around geomean	0.0018	0.0330
AW-05	UA	E005	Lithium, total	mg/L	11/09/15 - 04/30/24	18	33	CI around median	0.02	0.0710
AW-05	UA	E005	Mercury, total	mg/L	11/09/15 - 04/30/24	18	94	CI around median	0.0002	0.0002
AW-05	UA	E005	Molybdenum, total	mg/L	11/09/15 - 04/30/24	18	0	CI around mean	0.00206	0.00620

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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
AW-05	UA	E005	pH (field)	SU	11/09/15 - 04/30/24	19	0	CI around mean	6.9/7.1	6.3/7.1
AW-05	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 04/30/24	18	0	CI around mean	0.746	9.60
AW-05	UA	E005	Selenium, total	mg/L	11/09/15 - 04/30/24	18	56	CI around median	0.001	0.00320
AW-05	UA	E005	Sulfate, total	mg/L	11/09/15 - 04/30/24	19	0	CI around median	280	6.48
AW-05	UA	E005	Thallium, total	mg/L	11/09/15 - 04/30/24	17	100	All ND - Last	0.001	0.001
AW-05	UA	E005	Total Dissolved Solids	mg/L	11/09/15 - 04/30/24	19	0	CI around mean	1,030	1,050
AW-06	UA	E005	Antimony, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.003	0.003
AW-06	UA	E005	Arsenic, total	mg/L	11/10/15 - 05/02/24	24	0	CI around geomean	0.00323	0.0300
AW-06	UA	E005	Barium, total	mg/L	11/10/15 - 05/02/24	24	0	CI around median	0.18	2.07
AW-06	UA	E005	Beryllium, total	mg/L	11/10/15 - 05/02/24	24	88	CI around median	0.001	0.00190
AW-06	UA	E005	Boron, total	mg/L	11/10/15 - 05/02/24	25	0	CB around linear reg	0.0564	0.535
AW-06	UA	E005	Cadmium, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.001	0.00100
AW-06	UA	E005	Chloride, total	mg/L	11/10/15 - 05/02/24	25	0	CB around T-S line	13.9	56.0
AW-06	UA	E005	Chromium, total	mg/L	11/10/15 - 05/02/24	24	54	CI around median	0.004	0.0480
AW-06	UA	E005	Cobalt, total	mg/L	11/10/15 - 05/02/24	24	58	CI around median	0.002	0.0280
AW-06	UA	E005	Fluoride, total	mg/L	11/10/15 - 05/02/24	25	8	CB around T-S line	0.197	0.396
AW-06	UA	E005	Lead, total	mg/L	11/10/15 - 05/02/24	24	38	CI around median	0.001	0.0330
AW-06	UA	E005	Lithium, total	mg/L	11/10/15 - 05/02/24	24	50	CI around median	0.02	0.0710
AW-06	UA	E005	Mercury, total	mg/L	11/10/15 - 05/02/24	19	95	CI around median	0.0002	0.0002
AW-06	UA	E005	Molybdenum, total	mg/L	11/10/15 - 05/02/24	24	0	CI around mean	0.00492	0.00620
AW-06	UA	E005	pH (field)	SU	11/10/15 - 05/02/24	25	0	CI around median	7.1/7.3	6.3/7.1
AW-06	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 05/02/24	24	0	CI around mean	0.747	9.60
AW-06	UA	E005	Selenium, total	mg/L	11/10/15 - 05/02/24	24	75	CI around median	0.001	0.00320
AW-06	UA	E005	Sulfate, total	mg/L	11/10/15 - 05/02/24	25	0	CB around linear reg	17.7	6.48
AW-06	UA	E005	Thallium, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.001	0.001
AW-06	UA	E005	Total Dissolved Solids	mg/L	11/10/15 - 05/02/24	25	0	CI around mean	514	1,050
AW-09	UA	E005	Antimony, total	mg/L	11/10/15 - 05/02/24	19	100	All ND - Last	0.003	0.003

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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
AW-09	UA	E005	Arsenic, total	mg/L	11/10/15 - 05/02/24	24	12	CI around mean	0.0119	0.0300
AW-09	UA	E005	Barium, total	mg/L	11/10/15 - 05/02/24	24	0	CI around geomean	0.296	2.07
AW-09	UA	E005	Beryllium, total	mg/L	11/10/15 - 05/02/24	24	83	CB around T-S line	-0.000284	0.00190
AW-09	UA	E005	Boron, total	mg/L	11/10/15 - 05/02/24	25	0	CB around linear reg	-0.0858	0.535
AW-09	UA	E005	Cadmium, total	mg/L	11/10/15 - 05/02/24	19	90	CI around median	0.001	0.00100
AW-09	UA	E005	Chloride, total	mg/L	11/10/15 - 05/02/24	25	0	CI around median	27	56.0
AW-09	UA	E005	Chromium, total	mg/L	11/10/15 - 05/02/24	24	58	CB around T-S line	-0.0427	0.0480
AW-09	UA	E005	Cobalt, total	mg/L	11/10/15 - 05/02/24	24	4	CB around T-S line	-0.0219	0.0280
AW-09	UA	E005	Fluoride, total	mg/L	11/10/15 - 05/02/24	25	64	CB around T-S line	0.179	0.396
AW-09	UA	E005	Lead, total	mg/L	11/10/15 - 05/02/24	24	46	CB around T-S line	-0.0235	0.0330
AW-09	UA	E005	Lithium, total	mg/L	11/10/15 - 05/02/24	24	38	CB around T-S line	-0.039	0.0710
AW-09	UA	E005	Mercury, total	mg/L	11/10/15 - 05/02/24	19	95	CI around median	0.0002	0.0002
AW-09	UA	E005	Molybdenum, total	mg/L	11/10/15 - 05/02/24	24	0	CI around mean	0.0143	0.00620
AW-09	UA	E005	pH (field)	SU	11/10/15 - 05/02/24	25	0	CB around linear reg	6.9/7.2	6.3/7.1
AW-09	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 05/02/24	24	0	CI around median	0.771	9.60
AW-09	UA	E005	Selenium, total	mg/L	11/10/15 - 05/02/24	24	67	CB around T-S line	-0.00143	0.00320
AW-09	UA	E005	Sulfate, total	mg/L	11/10/15 - 05/02/24	25	56	CB around T-S line	-24.4	6.48
AW-09	UA	E005	Thallium, total	mg/L	11/10/15 - 05/02/24	19	95	CI around median	0.001	0.001
AW-09	UA	E005	Total Dissolved Solids	mg/L	11/10/15 - 05/02/24	25	0	CB around T-S line	756	1,050
AW-10	UA	E005	Antimony, total	mg/L	11/09/15 - 05/02/24	20	100	All ND - Last	0.003	0.003
AW-10	UA	E005	Arsenic, total	mg/L	11/09/15 - 05/02/24	25	0	CI around median	0.0099	0.0300
AW-10	UA	E005	Barium, total	mg/L	11/09/15 - 05/02/24	25	0	CI around median	0.93	2.07
AW-10	UA	E005	Beryllium, total	mg/L	11/09/15 - 05/02/24	25	76	CI around median	0.001	0.00190
AW-10	UA	E005	Boron, total	mg/L	11/09/15 - 05/02/24	26	0	CI around mean	0.462	0.535
AW-10	UA	E005	Cadmium, total	mg/L	11/09/15 - 05/02/24	20	95	CI around median	0.001	0.00100
AW-10	UA	E005	Chloride, total	mg/L	11/09/15 - 05/02/24	26	0	CI around geomean	87.1	56.0
AW-10	UA	E005	Chromium, total	mg/L	11/09/15 - 05/02/24	25	32	CI around median	0.004	0.0480

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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
AW-10	UA	E005	Cobalt, total	mg/L	11/09/15 - 05/02/24	25	4	CI around geomean	0.00393	0.0280
AW-10	UA	E005	Fluoride, total	mg/L	11/09/15 - 05/02/24	26	96	CI around median	0.25	0.396
AW-10	UA	E005	Lead, total	mg/L	11/09/15 - 05/02/24	25	12	CI around geomean	0.0021	0.0330
AW-10	UA	E005	Lithium, total	mg/L	11/09/15 - 05/02/24	25	0	CB around T-S line	-0.02	0.0710
AW-10	UA	E005	Mercury, total	mg/L	11/09/15 - 05/02/24	20	95	CI around median	0.0002	0.0002
AW-10	UA	E005	Molybdenum, total	mg/L	11/09/15 - 05/02/24	25	24	CI around median	0.0011	0.00620
AW-10	UA	E005	pH (field)	SU	11/09/15 - 05/02/24	27	0	CI around mean	6.9/7.1	6.3/7.1
AW-10	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 05/02/24	25	0	CI around mean	2.32	9.60
AW-10	UA	E005	Selenium, total	mg/L	11/09/15 - 05/02/24	25	64	CI around median	0.001	0.00320
AW-10	UA	E005	Sulfate, total	mg/L	11/09/15 - 05/02/24	26	81	CB around T-S line	0.825	6.48
AW-10	UA	E005	Thallium, total	mg/L	11/09/15 - 05/02/24	20	95	CI around median	0.001	0.001
AW-10	UA	E005	Total Dissolved Solids	mg/L	11/09/15 - 05/02/24	26	0	CB around T-S line	1,100	1,050
AW-11	UA	E005	Antimony, total	mg/L	11/09/15 - 05/01/24	19	100	All ND - Last	0.003	0.003
AW-11	UA	E005	Arsenic, total	mg/L	11/09/15 - 05/01/24	24	0	CI around geomean	0.00897	0.0300
AW-11	UA	E005	Barium, total	mg/L	11/09/15 - 05/01/24	24	0	CI around geomean	0.871	2.07
AW-11	UA	E005	Beryllium, total	mg/L	11/09/15 - 05/01/24	24	79	CI around median	0.001	0.00190
AW-11	UA	E005	Boron, total	mg/L	11/09/15 - 05/01/24	25	0	CI around mean	0.224	0.535
AW-11	UA	E005	Cadmium, total	mg/L	11/09/15 - 05/01/24	19	84	CI around median	0.001	0.00100
AW-11	UA	E005	Chloride, total	mg/L	11/09/15 - 05/01/24	25	0	CI around mean	31.3	56.0
AW-11	UA	E005	Chromium, total	mg/L	11/09/15 - 05/01/24	24	54	CB around T-S line	-0.018	0.0480
AW-11	UA	E005	Cobalt, total	mg/L	11/09/15 - 05/01/24	24	29	CB around T-S line	-0.00886	0.0280
AW-11	UA	E005	Fluoride, total	mg/L	11/09/15 - 05/01/24	25	88	CI around median	0.25	0.396
AW-11	UA	E005	Lead, total	mg/L	11/09/15 - 05/01/24	24	38	CB around T-S line	-0.0111	0.0330
AW-11	UA	E005	Lithium, total	mg/L	11/09/15 - 05/01/24	24	17	CB around T-S line	-0.0136	0.0710
AW-11	UA	E005	Mercury, total	mg/L	11/09/15 - 05/01/24	19	100	All ND - Last	0.0002	0.0002
AW-11	UA	E005	Molybdenum, total	mg/L	11/09/15 - 05/01/24	24	8	CB around linear reg	-0.00126	0.00620
AW-11	UA	E005	pH (field)	SU	11/09/15 - 05/01/24	25	0	CI around median	6.9/7.2	6.3/7.1

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ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-11	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 05/01/24	24	0	CI around geomean	1.57	9.60
AW-11	UA	E005	Selenium, total	mg/L	11/09/15 - 05/01/24	24	71	CB around T-S line	0.000173	0.00320
AW-11	UA	E005	Sulfate, total	mg/L	11/09/15 - 05/01/24	25	68	CB around T-S line	0.14	6.48
AW-11	UA	E005	Thallium, total	mg/L	11/09/15 - 05/01/24	19	100	All ND - Last	0.001	0.001
AW-11	UA	E005	Total Dissolved Solids	mg/L	11/09/15 - 05/01/24	25	0	CB around T-S line	938	1,050
AW-14	UA	E005	Antimony, total	mg/L	02/11/21 - 05/01/24	13	92	CI around median	0.003	0.003
AW-14	UA	E005	Arsenic, total	mg/L	02/11/21 - 05/01/24	13	0	CB around linear reg	-0.000327	0.0300
AW-14	UA	E005	Barium, total	mg/L	02/11/21 - 05/01/24	13	0	CI around mean	0.625	2.07
AW-14	UA	E005	Beryllium, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.001	0.00190
AW-14	UA	E005	Boron, total	mg/L	02/11/21 - 05/01/24	13	0	CI around median	0.17	0.535
AW-14	UA	E005	Cadmium, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.001	0.00100
AW-14	UA	E005	Chloride, total	mg/L	02/11/21 - 05/01/24	13	0	CI around geomean	23.6	56.0
AW-14	UA	E005	Chromium, total	mg/L	02/11/21 - 05/01/24	13	92	CI around median	0.004	0.0480
AW-14	UA	E005	Cobalt, total	mg/L	02/11/21 - 05/01/24	13	23	CB around linear reg	-0.00171	0.0280
AW-14	UA	E005	Fluoride, total	mg/L	02/11/21 - 05/01/24	13	85	CI around median	0.25	0.396
AW-14	UA	E005	Lead, total	mg/L	02/11/21 - 05/01/24	13	69	CI around median	0.001	0.0330
AW-14	UA	E005	Lithium, total	mg/L	02/11/21 - 05/01/24	13	62	CI around median	0.02	0.0710
AW-14	UA	E005	Mercury, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.0002	0.0002
AW-14	UA	E005	Molybdenum, total	mg/L	02/11/21 - 05/01/24	13	23	CI around geomean	0.00151	0.00620
AW-14	UA	E005	pH (field)	SU	02/11/21 - 05/01/24	13	0	CI around mean	6.8/7.0	6.3/7.1
AW-14	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 05/01/24	13	0	CI around mean	1.94	9.60
AW-14	UA	E005	Selenium, total	mg/L	02/11/21 - 05/01/24	13	85	CI around median	0.001	0.00320
AW-14	UA	E005	Sulfate, total	mg/L	02/11/21 - 05/01/24	13	15	CI around geomean	2.18	6.48
AW-14	UA	E005	Thallium, total	mg/L	02/11/21 - 05/01/24	13	100	All ND - Last	0.001	0.001
AW-14	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 05/01/24	13	0	CI around mean	921	1,050
AW-15	UA	E005	Antimony, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.003	0.003
AW-15	UA	E005	Arsenic, total	mg/L	02/12/21 - 05/01/24	11	9	CI around mean	0.00147	0.0300

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AW-15	UA	E005	Barium, total	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	1.65	2.07
AW-15	UA	E005	Beryllium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.00190
AW-15	UA	E005	Boron, total	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	0.347	0.535
AW-15	UA	E005	Cadmium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.00100
AW-15	UA	E005	Chloride, total	mg/L	02/12/21 - 05/01/24	11	0	CB around linear reg	25.5	56.0
AW-15	UA	E005	Chromium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.004	0.0480
AW-15	UA	E005	Cobalt, total	mg/L	02/12/21 - 05/01/24	11	91	CI around median	0.002	0.0280
AW-15	UA	E005	Fluoride, total	mg/L	02/12/21 - 05/01/24	11	82	CI around median	0.25	0.396
AW-15	UA	E005	Lead, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.0330
AW-15	UA	E005	Lithium, total	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	0.0286	0.0710
AW-15	UA	E005	Mercury, total	mg/L	02/12/21 - 05/01/24	11	91	CI around median	0.0002	0.0002
AW-15	UA	E005	Molybdenum, total	mg/L	02/12/21 - 05/01/24	11	82	CI around median	0.001	0.00620
AW-15	UA	E005	pH (field)	SU	02/12/21 - 05/01/24	10	0	CI around mean	6.7/6.9	6.3/7.1
AW-15	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 05/01/24	11	0	CI around mean	3.54	9.60
AW-15	UA	E005	Selenium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.00320
AW-15	UA	E005	Sulfate, total	mg/L	02/12/21 - 05/01/24	11	91	Most recent sample	1	6.48
AW-15	UA	E005	Thallium, total	mg/L	02/12/21 - 05/01/24	11	100	All ND - Last	0.001	0.001
AW-15	UA	E005	Total Dissolved Solids	mg/L	02/12/21 - 05/01/24	11	0	CI around mean	926	1,050
AW-15S	PMP	E005	Antimony, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.003	0.003
AW-15S	PMP	E005	Arsenic, total	mg/L	02/12/21 - 05/01/24	14	64	CI around median	0.001	0.0300
AW-15S	PMP	E005	Barium, total	mg/L	02/12/21 - 05/01/24	14	0	CB around T-S line	-0.069	2.07
AW-15S	PMP	E005	Beryllium, total	mg/L	02/12/21 - 05/01/24	14	93	CI around median	0.001	0.00190
AW-15S	PMP	E005	Boron, total	mg/L	02/12/21 - 05/01/24	14	0	CI around mean	5.54	0.535
AW-15S	PMP	E005	Cadmium, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.001	0.00100
AW-15S	PMP	E005	Chloride, total	mg/L	02/12/21 - 05/01/24	14	0	CB around linear reg	21.7	56.0
AW-15S	PMP	E005	Chromium, total	mg/L	02/12/21 - 05/01/24	14	93	CI around median	0.004	0.0480
AW-15S	PMP	E005	Cobalt, total	mg/L	02/12/21 - 05/01/24	14	93	CI around median	0.002	0.0280

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AW-15S	PMP	E005	Fluoride, total	mg/L	02/12/21 - 05/01/24	14	36	CI around median	0.25	0.396
AW-15S	PMP	E005	Lead, total	mg/L	02/12/21 - 05/01/24	14	86	CI around median	0.001	0.0330
AW-15S	PMP	E005	Lithium, total	mg/L	02/12/21 - 05/01/24	14	86	CI around median	0.02	0.0710
AW-15S	PMP	E005	Mercury, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.0002	0.0002
AW-15S	PMP	E005	Molybdenum, total	mg/L	02/12/21 - 05/01/24	14	0	CB around linear reg	0.00212	0.00620
AW-15S	PMP	E005	pH (field)	SU	02/12/21 - 05/01/24	14	0	CI around mean	6.8/7.0	6.3/7.1
AW-15S	PMP	E005	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 05/01/24	13	0	CI around mean	0.42	9.60
AW-15S	PMP	E005	Selenium, total	mg/L	02/12/21 - 05/01/24	14	43	CI around median	0.001	0.00320
AW-15S	PMP	E005	Sulfate, total	mg/L	02/12/21 - 05/01/24	14	0	CI around mean	522	6.48
AW-15S	PMP	E005	Thallium, total	mg/L	02/12/21 - 05/01/24	14	100	All ND - Last	0.001	0.001
AW-15S	PMP	E005	Total Dissolved Solids	mg/L	02/12/21 - 05/01/24	14	0	CI around mean	1,210	1,050
AW-16	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.003
AW-16	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	21	CI around mean	0.00113	0.0300
AW-16	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	0.999	2.07
AW-16	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00190
AW-16	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.458	0.535
AW-16	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00100
AW-16	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	43	56.0
AW-16	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.004	0.0480
AW-16	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.002	0.0280
AW-16	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.25	0.396
AW-16	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.0330
AW-16	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around T-S line	0.019	0.0710
AW-16	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.0002	0.0002
AW-16	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00620
AW-16	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around mean	6.6/6.8	6.3/7.1
AW-16	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CB around linear reg	1.57	9.60

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AW-16	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00320
AW-16	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	86	CI around median	1	6.48
AW-16	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
AW-16	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	1,070	1,050
AW-17	UA	E005	Antimony, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.003	0.003
AW-17	UA	E005	Arsenic, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	0.00436	0.0300
AW-17	UA	E005	Barium, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	1.03	2.07
AW-17	UA	E005	Beryllium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.00190
AW-17	UA	E005	Boron, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	0.416	0.535
AW-17	UA	E005	Cadmium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.00100
AW-17	UA	E005	Chloride, total	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	51.8	56.0
AW-17	UA	E005	Chromium, total	mg/L	02/11/21 - 05/01/24	14	71	CI around median	0.004	0.0480
AW-17	UA	E005	Cobalt, total	mg/L	02/11/21 - 05/01/24	14	0	CI around median	0.0022	0.0280
AW-17	UA	E005	Fluoride, total	mg/L	02/11/21 - 05/01/24	14	93	CI around median	0.25	0.396
AW-17	UA	E005	Lead, total	mg/L	02/11/21 - 05/01/24	14	71	CI around median	0.001	0.0330
AW-17	UA	E005	Lithium, total	mg/L	02/11/21 - 05/01/24	14	0	CB around linear reg	0.00612	0.0710
AW-17	UA	E005	Mercury, total	mg/L	02/11/21 - 05/01/24	14	93	CI around median	0.0002	0.0002
AW-17	UA	E005	Molybdenum, total	mg/L	02/11/21 - 05/01/24	14	50	CB around linear reg	6.1e-05	0.00620
AW-17	UA	E005	pH (field)	SU	02/11/21 - 05/01/24	14	0	CI around mean	6.6/7.0	6.3/7.1
AW-17	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 05/01/24	14	0	CI around mean	2.43	9.60
AW-17	UA	E005	Selenium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.00320
AW-17	UA	E005	Sulfate, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	1	6.48
AW-17	UA	E005	Thallium, total	mg/L	02/11/21 - 05/01/24	14	100	All ND - Last	0.001	0.001
AW-17	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 05/01/24	14	0	CI around mean	841	1,050
AW-18	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.003
AW-18	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.00332	0.0300
AW-18	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	1.23	2.07

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AW-18	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00190
AW-18	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.606	0.535
AW-18	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00100
AW-18	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	85.8	56.0
AW-18	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.004	0.0480
AW-18	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	79	CI around median	0.002	0.0280
AW-18	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	57	CB around T-S line	-4.17	0.396
AW-18	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	79	CI around median	0.001	0.0330
AW-18	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	-0.0197	0.0710
AW-18	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.0002	0.0002
AW-18	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	-0.0109	0.00620
AW-18	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around mean	6.7/7.0	6.3/7.1
AW-18	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CI around mean	2.45	9.60
AW-18	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.001	0.00320
AW-18	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	0	CI around geomean	4.19	6.48
AW-18	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
AW-18	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	797	1,050
AW-19	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.003
AW-19	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.0116	0.0300
AW-19	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CI around median	0.18	2.07
AW-19	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00190
AW-19	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	2.57	0.535
AW-19	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00100
AW-19	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	76.2	56.0
AW-19	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	71	CI around median	0.004	0.0480
AW-19	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	71	CI around median	0.002	0.0280
AW-19	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	14	CB around linear reg	0.0989	0.396

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AW-19	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	50	CI around median	0.001	0.0330
AW-19	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	71	CI around median	0.02	0.0710
AW-19	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.0002	0.0002
AW-19	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	0	CI around median	0.0035	0.00620
AW-19	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around mean	6.8/7.1	6.3/7.1
AW-19	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CI around mean	0.443	9.60
AW-19	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00320
AW-19	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	53.6	6.48
AW-19	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
AW-19	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	617	1,050
AW-21	UA	E005	Antimony, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.003	0.003
AW-21	UA	E005	Arsenic, total	mg/L	02/11/21 - 04/30/24	14	21	CI around geomean	0.00112	0.0300
AW-21	UA	E005	Barium, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.0611	2.07
AW-21	UA	E005	Beryllium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00190
AW-21	UA	E005	Boron, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	10.3	0.535
AW-21	UA	E005	Cadmium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.00100
AW-21	UA	E005	Chloride, total	mg/L	02/11/21 - 04/30/24	14	0	CB around linear reg	64.1	56.0
AW-21	UA	E005	Chromium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.004	0.0480
AW-21	UA	E005	Cobalt, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.002	0.0280
AW-21	UA	E005	Fluoride, total	mg/L	02/11/21 - 04/30/24	14	7	CB around linear reg	0.103	0.396
AW-21	UA	E005	Lead, total	mg/L	02/11/21 - 04/30/24	14	93	CI around median	0.001	0.0330
AW-21	UA	E005	Lithium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.02	0.0710
AW-21	UA	E005	Mercury, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.0002	0.0002
AW-21	UA	E005	Molybdenum, total	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	0.0177	0.00620
AW-21	UA	E005	pH (field)	SU	02/11/21 - 04/30/24	14	0	CI around geomean	6.9/7.7	6.3/7.1
AW-21	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 04/30/24	14	0	CI around mean	0.495	9.60
AW-21	UA	E005	Selenium, total	mg/L	02/11/21 - 04/30/24	14	64	CB around T-S line	0.001	0.00320

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-21	UA	E005	Sulfate, total	mg/L	02/11/21 - 04/30/24	14	0	CI around median	220	6.48
AW-21	UA	E005	Thallium, total	mg/L	02/11/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
AW-21	UA	E005	Total Dissolved Solids	mg/L	02/11/21 - 04/30/24	14	0	CI around mean	646	1,050

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
PMP = Potential Migration Pathway
UA = Uppermost Aquifer
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

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

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

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AP07S	PMP	E006	Antimony, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.003	0.003
AP07S	PMP	E006	Arsenic, total	mg/L	02/10/21 - 07/16/24	15	87	CI around median	0.001	0.0300
AP07S	PMP	E006	Barium, total	mg/L	02/10/21 - 07/16/24	15	0	CI around mean	0.0717	2.07
AP07S	PMP	E006	Beryllium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.001	0.00190
AP07S	PMP	E006	Boron, total	mg/L	02/10/21 - 07/16/24	15	0	CB around linear reg	10.6	0.535
AP07S	PMP	E006	Cadmium, total	mg/L	02/10/21 - 07/16/24	15	87	CI around median	0.001	0.00100
AP07S	PMP	E006	Chloride, total	mg/L	02/10/21 - 07/16/24	15	0	CI around median	73	56.0
AP07S	PMP	E006	Chromium, total	mg/L	02/10/21 - 07/16/24	15	73	CI around median	0.004	0.0480
AP07S	PMP	E006	Cobalt, total	mg/L	02/10/21 - 07/16/24	15	13	CI around mean	0.00203	0.0280
AP07S	PMP	E006	Fluoride, total	mg/L	02/10/21 - 07/16/24	15	67	CI around median	0.25	0.396
AP07S	PMP	E006	Lead, total	mg/L	02/10/21 - 07/16/24	15	67	CI around median	0.001	0.0330
AP07S	PMP	E006	Lithium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.02	0.0710
AP07S	PMP	E006	Mercury, total	mg/L	02/10/21 - 07/16/24	15	93	CI around median	0.0002	0.0002
AP07S	PMP	E006	Molybdenum, total	mg/L	02/10/21 - 07/16/24	15	53	CI around median	0.001	0.00620
AP07S	PMP	E006	pH (field)	SU	02/10/21 - 07/16/24	15	0	CI around mean	6.6/7.0	6.3/7.1
AP07S	PMP	E006	Radium 226 + Radium 228, total	pCi/L	02/10/21 - 07/16/24	15	0	CI around mean	0.602	9.60
AP07S	PMP	E006	Selenium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.001	0.00320
AP07S	PMP	E006	Sulfate, total	mg/L	02/10/21 - 07/16/24	15	0	CI around mean	242	6.48
AP07S	PMP	E006	Thallium, total	mg/L	02/10/21 - 07/16/24	15	100	All ND - Last	0.001	0.001
AP07S	PMP	E006	Total Dissolved Solids	mg/L	02/10/21 - 07/16/24	15	0	CI around mean	874	1,050
AW-01	PMP	E006	Antimony, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.003	0.003
AW-01	PMP	E006	Arsenic, total	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	0.00319	0.0300
AW-01	PMP	E006	Barium, total	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	0.101	2.07
AW-01	PMP	E006	Beryllium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.001	0.00190
AW-01	PMP	E006	Boron, total	mg/L	11/18/22 - 07/16/24	10	0	CI around median	0.072	0.535
AW-01	PMP	E006	Cadmium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.001	0.00100
AW-01	PMP	E006	Chloride, total	mg/L	11/18/22 - 07/16/24	10	0	CI around median	9.6	56.0

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AW-01	PMP	E006	Chromium, total	mg/L	11/18/22 - 07/16/24	10	80	CI around median	0.004	0.0480
AW-01	PMP	E006	Cobalt, total	mg/L	11/18/22 - 07/16/24	10	20	CI around mean	0.00264	0.0280
AW-01	PMP	E006	Fluoride, total	mg/L	11/18/22 - 07/16/24	10	50	CI around median	0.25	0.396
AW-01	PMP	E006	Lead, total	mg/L	11/18/22 - 07/16/24	10	80	CI around median	0.001	0.0330
AW-01	PMP	E006	Lithium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.02	0.0710
AW-01	PMP	E006	Mercury, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.0002	0.0002
AW-01	PMP	E006	Molybdenum, total	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	0.00282	0.00620
AW-01	PMP	E006	pH (field)	SU	11/18/22 - 07/16/24	10	0	CI around mean	6.7/7.1	6.3/7.1
AW-01	PMP	E006	Radium 226 + Radium 228, total	pCi/L	11/18/22 - 07/16/24	10	0	CI around mean	-0.00342	9.60
AW-01	PMP	E006	Selenium, total	mg/L	11/18/22 - 07/16/24	10	90	CI around median	0.001	0.00320
AW-01	PMP	E006	Sulfate, total	mg/L	11/18/22 - 07/16/24	10	0	CI around median	41	6.48
AW-01	PMP	E006	Thallium, total	mg/L	11/18/22 - 07/16/24	10	100	All ND - Last	0.001	0.001
AW-01	PMP	E006	Total Dissolved Solids	mg/L	11/18/22 - 07/16/24	10	0	CI around mean	748	1,050
AW-05	UA	E006	Antimony, total	mg/L	11/09/15 - 07/16/24	19	95	Most recent sample	0.003	0.003
AW-05	UA	E006	Arsenic, total	mg/L	11/09/15 - 07/16/24	19	0	CI around median	0.0033	0.0300
AW-05	UA	E006	Barium, total	mg/L	11/09/15 - 07/16/24	19	0	CB around linear reg	-0.0179	2.07
AW-05	UA	E006	Beryllium, total	mg/L	11/09/15 - 07/16/24	18	89	CI around median	0.001	0.00190
AW-05	UA	E006	Boron, total	mg/L	11/09/15 - 07/16/24	20	0	CB around T-S line	3.51	0.535
AW-05	UA	E006	Cadmium, total	mg/L	11/09/15 - 07/16/24	19	90	CI around median	0.001	0.00100
AW-05	UA	E006	Chloride, total	mg/L	11/09/15 - 07/16/24	20	0	CB around T-S line	-81	56.0
AW-05	UA	E006	Chromium, total	mg/L	11/09/15 - 07/16/24	19	37	CI around median	0.004	0.0480
AW-05	UA	E006	Cobalt, total	mg/L	11/09/15 - 07/16/24	19	21	CI around geomean	0.00334	0.0280
AW-05	UA	E006	Fluoride, total	mg/L	11/09/15 - 07/16/24	20	60	CI around median	0.25	0.396
AW-05	UA	E006	Lead, total	mg/L	11/09/15 - 07/16/24	18	33	CI around geomean	0.00171	0.0330
AW-05	UA	E006	Lithium, total	mg/L	11/09/15 - 07/16/24	19	37	CB around T-S line	-0.00263	0.0710
AW-05	UA	E006	Mercury, total	mg/L	11/09/15 - 07/16/24	19	95	CI around median	0.0002	0.0002
AW-05	UA	E006	Molybdenum, total	mg/L	11/09/15 - 07/16/24	19	0	CI around mean	0.00205	0.00620

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AW-05	UA	E006	pH (field)	SU	11/09/15 - 07/16/24	20	0	CI around mean	6.9/7.1	6.3/7.1
AW-05	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/16/24	19	0	CI around mean	0.763	9.60
AW-05	UA	E006	Selenium, total	mg/L	11/09/15 - 07/16/24	19	58	CI around median	0.001	0.00320
AW-05	UA	E006	Sulfate, total	mg/L	11/09/15 - 07/16/24	20	0	CI around median	280	6.48
AW-05	UA	E006	Thallium, total	mg/L	11/09/15 - 07/16/24	18	100	All ND - Last	0.001	0.001
AW-05	UA	E006	Total Dissolved Solids	mg/L	11/09/15 - 07/16/24	20	0	CI around geomean	1,040	1,050
AW-06	UA	E006	Antimony, total	mg/L	11/10/15 - 07/15/24	20	100	All ND - Last	0.003	0.003
AW-06	UA	E006	Arsenic, total	mg/L	11/10/15 - 07/15/24	25	0	CI around geomean	0.00329	0.0300
AW-06	UA	E006	Barium, total	mg/L	11/10/15 - 07/15/24	25	0	CI around median	0.18	2.07
AW-06	UA	E006	Beryllium, total	mg/L	11/10/15 - 07/15/24	25	88	CI around median	0.001	0.00190
AW-06	UA	E006	Boron, total	mg/L	11/10/15 - 07/15/24	26	0	CB around linear reg	0.0591	0.535
AW-06	UA	E006	Cadmium, total	mg/L	11/10/15 - 07/15/24	20	100	All ND - Last	0.001	0.00100
AW-06	UA	E006	Chloride, total	mg/L	11/10/15 - 07/15/24	26	0	CB around T-S line	10.7	56.0
AW-06	UA	E006	Chromium, total	mg/L	11/10/15 - 07/15/24	25	56	CB around T-S line	-0.00511	0.0480
AW-06	UA	E006	Cobalt, total	mg/L	11/10/15 - 07/15/24	25	60	CI around median	0.002	0.0280
AW-06	UA	E006	Fluoride, total	mg/L	11/10/15 - 07/15/24	26	8	CB around T-S line	0.2	0.396
AW-06	UA	E006	Lead, total	mg/L	11/10/15 - 07/15/24	25	40	CB around T-S line	-0.00369	0.0330
AW-06	UA	E006	Lithium, total	mg/L	11/10/15 - 07/15/24	25	52	CI around median	0.02	0.0710
AW-06	UA	E006	Mercury, total	mg/L	11/10/15 - 07/15/24	20	95	CI around median	0.0002	0.0002
AW-06	UA	E006	Molybdenum, total	mg/L	11/10/15 - 07/15/24	25	0	CI around mean	0.00496	0.00620
AW-06	UA	E006	pH (field)	SU	11/10/15 - 07/15/24	26	0	CI around median	7.1/7.2	6.3/7.1
AW-06	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/15/24	25	0	CI around mean	0.729	9.60
AW-06	UA	E006	Selenium, total	mg/L	11/10/15 - 07/15/24	25	76	CI around median	0.001	0.00320
AW-06	UA	E006	Sulfate, total	mg/L	11/10/15 - 07/15/24	26	0	CB around linear reg	17.9	6.48
AW-06	UA	E006	Thallium, total	mg/L	11/10/15 - 07/15/24	20	100	All ND - Last	0.001	0.001
AW-06	UA	E006	Total Dissolved Solids	mg/L	11/10/15 - 07/15/24	26	0	CI around mean	516	1,050
AW-09	UA	E006	Antimony, total	mg/L	11/10/15 - 07/16/24	20	100	All ND - Last	0.003	0.003

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AW-09	UA	E006	Arsenic, total	mg/L	11/10/15 - 07/16/24	25	12	CI around mean	0.0124	0.0300
AW-09	UA	E006	Barium, total	mg/L	11/10/15 - 07/16/24	25	0	CI around geomean	0.301	2.07
AW-09	UA	E006	Beryllium, total	mg/L	11/10/15 - 07/16/24	25	84	CB around T-S line	-0.000313	0.00190
AW-09	UA	E006	Boron, total	mg/L	11/10/15 - 07/16/24	26	0	CB around linear reg	-0.0691	0.535
AW-09	UA	E006	Cadmium, total	mg/L	11/10/15 - 07/16/24	20	90	CI around median	0.001	0.00100
AW-09	UA	E006	Chloride, total	mg/L	11/10/15 - 07/16/24	26	0	CB around T-S line	21.7	56.0
AW-09	UA	E006	Chromium, total	mg/L	11/10/15 - 07/16/24	25	60	CB around T-S line	-0.056	0.0480
AW-09	UA	E006	Cobalt, total	mg/L	11/10/15 - 07/16/24	25	4	CB around T-S line	-0.0299	0.0280
AW-09	UA	E006	Fluoride, total	mg/L	11/10/15 - 07/16/24	26	65	CB around T-S line	0.177	0.396
AW-09	UA	E006	Lead, total	mg/L	11/10/15 - 07/16/24	25	48	CB around T-S line	-0.0295	0.0330
AW-09	UA	E006	Lithium, total	mg/L	11/10/15 - 07/16/24	25	36	CB around T-S line	-0.0496	0.0710
AW-09	UA	E006	Mercury, total	mg/L	11/10/15 - 07/16/24	20	95	CI around median	0.0002	0.0002
AW-09	UA	E006	Molybdenum, total	mg/L	11/10/15 - 07/16/24	25	0	CI around mean	0.0143	0.00620
AW-09	UA	E006	pH (field)	SU	11/10/15 - 07/16/24	26	0	CB around linear reg	6.9/7.2	6.3/7.1
AW-09	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/10/15 - 07/16/24	25	0	CI around median	0.771	9.60
AW-09	UA	E006	Selenium, total	mg/L	11/10/15 - 07/16/24	25	68	CB around T-S line	-0.00167	0.00320
AW-09	UA	E006	Sulfate, total	mg/L	11/10/15 - 07/16/24	26	58	CB around T-S line	-20.9	6.48
AW-09	UA	E006	Thallium, total	mg/L	11/10/15 - 07/16/24	20	95	CI around median	0.001	0.001
AW-09	UA	E006	Total Dissolved Solids	mg/L	11/10/15 - 07/16/24	26	0	CB around T-S line	763	1,050
AW-10	UA	E006	Antimony, total	mg/L	11/09/15 - 07/18/24	21	100	All ND - Last	0.003	0.003
AW-10	UA	E006	Arsenic, total	mg/L	11/09/15 - 07/18/24	26	0	CI around median	0.0099	0.0300
AW-10	UA	E006	Barium, total	mg/L	11/09/15 - 07/18/24	26	0	CI around median	0.98	2.07
AW-10	UA	E006	Beryllium, total	mg/L	11/09/15 - 07/18/24	26	77	CI around median	0.001	0.00190
AW-10	UA	E006	Boron, total	mg/L	11/09/15 - 07/18/24	27	0	CI around mean	0.462	0.535
AW-10	UA	E006	Cadmium, total	mg/L	11/09/15 - 07/18/24	21	95	CI around median	0.001	0.00100
AW-10	UA	E006	Chloride, total	mg/L	11/09/15 - 07/18/24	27	0	CI around geomean	87.2	56.0
AW-10	UA	E006	Chromium, total	mg/L	11/09/15 - 07/18/24	26	31	CI around median	0.004	0.0480

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AW-10	UA	E006	Cobalt, total	mg/L	11/09/15 - 07/18/24	26	4	CI around geomean	0.00408	0.0280
AW-10	UA	E006	Fluoride, total	mg/L	11/09/15 - 07/18/24	27	96	CI around median	0.25	0.396
AW-10	UA	E006	Lead, total	mg/L	11/09/15 - 07/18/24	26	12	CI around geomean	0.00222	0.0330
AW-10	UA	E006	Lithium, total	mg/L	11/09/15 - 07/18/24	26	0	CB around T-S line	-0.0148	0.0710
AW-10	UA	E006	Mercury, total	mg/L	11/09/15 - 07/18/24	21	95	CI around median	0.0002	0.0002
AW-10	UA	E006	Molybdenum, total	mg/L	11/09/15 - 07/18/24	26	23	CI around median	0.0012	0.00620
AW-10	UA	E006	pH (field)	SU	11/09/15 - 07/18/24	28	0	CI around mean	6.9/7.1	6.3/7.1
AW-10	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/18/24	26	0	CI around mean	2.33	9.60
AW-10	UA	E006	Selenium, total	mg/L	11/09/15 - 07/18/24	26	65	CI around median	0.001	0.00320
AW-10	UA	E006	Sulfate, total	mg/L	11/09/15 - 07/18/24	27	82	CB around T-S line	0.838	6.48
AW-10	UA	E006	Thallium, total	mg/L	11/09/15 - 07/18/24	21	95	CI around median	0.001	0.001
AW-10	UA	E006	Total Dissolved Solids	mg/L	11/09/15 - 07/18/24	27	0	CB around T-S line	1,100	1,050
AW-11	UA	E006	Antimony, total	mg/L	11/09/15 - 07/17/24	20	100	All ND - Last	0.003	0.003
AW-11	UA	E006	Arsenic, total	mg/L	11/09/15 - 07/17/24	25	0	CI around geomean	0.00902	0.0300
AW-11	UA	E006	Barium, total	mg/L	11/09/15 - 07/17/24	25	0	CI around median	0.84	2.07
AW-11	UA	E006	Beryllium, total	mg/L	11/09/15 - 07/17/24	25	80	CI around median	0.001	0.00190
AW-11	UA	E006	Boron, total	mg/L	11/09/15 - 07/17/24	26	0	CI around mean	0.224	0.535
AW-11	UA	E006	Cadmium, total	mg/L	11/09/15 - 07/17/24	20	85	CI around median	0.001	0.00100
AW-11	UA	E006	Chloride, total	mg/L	11/09/15 - 07/17/24	26	0	CI around mean	31.4	56.0
AW-11	UA	E006	Chromium, total	mg/L	11/09/15 - 07/17/24	25	56	CB around T-S line	-0.0173	0.0480
AW-11	UA	E006	Cobalt, total	mg/L	11/09/15 - 07/17/24	25	32	CB around T-S line	-0.00723	0.0280
AW-11	UA	E006	Fluoride, total	mg/L	11/09/15 - 07/17/24	26	88	CI around median	0.25	0.396
AW-11	UA	E006	Lead, total	mg/L	11/09/15 - 07/17/24	25	40	CB around T-S line	-0.0102	0.0330
AW-11	UA	E006	Lithium, total	mg/L	11/09/15 - 07/17/24	25	20	CB around T-S line	-0.0103	0.0710
AW-11	UA	E006	Mercury, total	mg/L	11/09/15 - 07/17/24	20	100	All ND - Last	0.0002	0.0002
AW-11	UA	E006	Molybdenum, total	mg/L	11/09/15 - 07/17/24	25	8	CB around linear reg	-0.00121	0.00620
AW-11	UA	E006	pH (field)	SU	11/09/15 - 07/17/24	26	0	CI around median	6.9/7.2	6.3/7.1

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AW-11	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/09/15 - 07/17/24	25	0	CI around geomean	1.6	9.60
AW-11	UA	E006	Selenium, total	mg/L	11/09/15 - 07/17/24	25	72	CB around T-S line	0.000262	0.00320
AW-11	UA	E006	Sulfate, total	mg/L	11/09/15 - 07/17/24	26	69	CB around T-S line	0.233	6.48
AW-11	UA	E006	Thallium, total	mg/L	11/09/15 - 07/17/24	20	100	All ND - Last	0.001	0.001
AW-11	UA	E006	Total Dissolved Solids	mg/L	11/09/15 - 07/17/24	26	0	CB around T-S line	937	1,050
AW-14	UA	E006	Antimony, total	mg/L	02/11/21 - 07/17/24	14	93	CI around median	0.003	0.003
AW-14	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/17/24	14	0	CB around T-S line	-0.00443	0.0300
AW-14	UA	E006	Barium, total	mg/L	02/11/21 - 07/17/24	14	0	CI around mean	0.637	2.07
AW-14	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/17/24	14	100	All ND - Last	0.001	0.00190
AW-14	UA	E006	Boron, total	mg/L	02/11/21 - 07/17/24	14	0	CI around median	0.17	0.535
AW-14	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/17/24	14	100	All ND - Last	0.001	0.00100
AW-14	UA	E006	Chloride, total	mg/L	02/11/21 - 07/17/24	14	0	CI around geomean	23.6	56.0
AW-14	UA	E006	Chromium, total	mg/L	02/11/21 - 07/17/24	14	93	CI around median	0.004	0.0480
AW-14	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/17/24	14	29	CB around T-S line	-0.0275	0.0280
AW-14	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/17/24	14	86	CI around median	0.25	0.396
AW-14	UA	E006	Lead, total	mg/L	02/11/21 - 07/17/24	14	71	CI around median	0.001	0.0330
AW-14	UA	E006	Lithium, total	mg/L	02/11/21 - 07/17/24	14	64	CI around median	0.02	0.0710
AW-14	UA	E006	Mercury, total	mg/L	02/11/21 - 07/17/24	14	93	CI around median	0.0002	0.0002
AW-14	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/17/24	14	29	CI around geomean	0.00143	0.00620
AW-14	UA	E006	pH (field)	SU	02/11/21 - 07/17/24	14	0	CI around mean	6.8/7.0	6.3/7.1
AW-14	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/17/24	14	0	CI around mean	1.99	9.60
AW-14	UA	E006	Selenium, total	mg/L	02/11/21 - 07/17/24	14	86	CI around median	0.001	0.00320
AW-14	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/17/24	14	14	CI around geomean	1.8	6.48
AW-14	UA	E006	Thallium, total	mg/L	02/11/21 - 07/17/24	14	100	All ND - Last	0.001	0.001
AW-14	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/17/24	14	0	CI around mean	928	1,050
AW-15	UA	E006	Antimony, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.003	0.003
AW-15	UA	E006	Arsenic, total	mg/L	02/12/21 - 07/17/24	12	8	CB around linear reg	-0.00075	0.0300

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AW-15	UA	E006	Barium, total	mg/L	02/12/21 - 07/17/24	12	0	CI around mean	1.65	2.07
AW-15	UA	E006	Beryllium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.00190
AW-15	UA	E006	Boron, total	mg/L	02/12/21 - 07/17/24	12	0	CI around mean	0.347	0.535
AW-15	UA	E006	Cadmium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.00100
AW-15	UA	E006	Chloride, total	mg/L	02/12/21 - 07/17/24	12	0	CB around linear reg	25.8	56.0
AW-15	UA	E006	Chromium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.004	0.0480
AW-15	UA	E006	Cobalt, total	mg/L	02/12/21 - 07/17/24	12	92	CI around median	0.002	0.0280
AW-15	UA	E006	Fluoride, total	mg/L	02/12/21 - 07/17/24	12	83	CI around median	0.25	0.396
AW-15	UA	E006	Lead, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.0330
AW-15	UA	E006	Lithium, total	mg/L	02/12/21 - 07/17/24	12	0	CB around linear reg	0.0203	0.0710
AW-15	UA	E006	Mercury, total	mg/L	02/12/21 - 07/17/24	12	92	CI around median	0.0002	0.0002
AW-15	UA	E006	Molybdenum, total	mg/L	02/12/21 - 07/17/24	12	83	CI around median	0.001	0.00620
AW-15	UA	E006	pH (field)	SU	02/12/21 - 07/17/24	11	0	CI around mean	6.7/6.9	6.3/7.1
AW-15	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/17/24	12	0	CI around mean	3.63	9.60
AW-15	UA	E006	Selenium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.00320
AW-15	UA	E006	Sulfate, total	mg/L	02/12/21 - 07/17/24	12	92	Most recent sample	1	6.48
AW-15	UA	E006	Thallium, total	mg/L	02/12/21 - 07/17/24	12	100	All ND - Last	0.001	0.001
AW-15	UA	E006	Total Dissolved Solids	mg/L	02/12/21 - 07/17/24	12	0	CI around mean	942	1,050
AW-15S	PMP	E006	Antimony, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.003	0.003
AW-15S	PMP	E006	Arsenic, total	mg/L	02/12/21 - 07/17/24	15	67	CI around median	0.001	0.0300
AW-15S	PMP	E006	Barium, total	mg/L	02/12/21 - 07/17/24	15	0	CB around T-S line	-0.0505	2.07
AW-15S	PMP	E006	Beryllium, total	mg/L	02/12/21 - 07/17/24	15	93	CI around median	0.001	0.00190
AW-15S	PMP	E006	Boron, total	mg/L	02/12/21 - 07/17/24	15	0	CI around mean	5.54	0.535
AW-15S	PMP	E006	Cadmium, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.001	0.00100
AW-15S	PMP	E006	Chloride, total	mg/L	02/12/21 - 07/17/24	15	0	CB around linear reg	21.9	56.0
AW-15S	PMP	E006	Chromium, total	mg/L	02/12/21 - 07/17/24	15	93	CI around median	0.004	0.0480
AW-15S	PMP	E006	Cobalt, total	mg/L	02/12/21 - 07/17/24	15	93	CI around median	0.002	0.0280

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-15S	PMP	E006	Fluoride, total	mg/L	02/12/21 - 07/17/24	15	33	CI around median	0.25	0.396
AW-15S	PMP	E006	Lead, total	mg/L	02/12/21 - 07/17/24	15	87	CI around median	0.001	0.0330
AW-15S	PMP	E006	Lithium, total	mg/L	02/12/21 - 07/17/24	15	87	CI around median	0.02	0.0710
AW-15S	PMP	E006	Mercury, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.0002	0.0002
AW-15S	PMP	E006	Molybdenum, total	mg/L	02/12/21 - 07/17/24	15	0	CB around linear reg	0.00208	0.00620
AW-15S	PMP	E006	pH (field)	SU	02/12/21 - 07/17/24	15	0	CI around mean	6.8/7.0	6.3/7.1
AW-15S	PMP	E006	Radium 226 + Radium 228, total	pCi/L	02/12/21 - 07/17/24	14	0	CI around mean	0.451	9.60
AW-15S	PMP	E006	Selenium, total	mg/L	02/12/21 - 07/17/24	15	47	CI around median	0.001	0.00320
AW-15S	PMP	E006	Sulfate, total	mg/L	02/12/21 - 07/17/24	15	0	CI around mean	523	6.48
AW-15S	PMP	E006	Thallium, total	mg/L	02/12/21 - 07/17/24	15	100	All ND - Last	0.001	0.001
AW-15S	PMP	E006	Total Dissolved Solids	mg/L	02/12/21 - 07/17/24	15	0	CI around median	1,200	1,050
AW-16	UA	E006	Antimony, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.003	0.003
AW-16	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/16/24	15	20	CI around mean	0.00111	0.0300
AW-16	UA	E006	Barium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.996	2.07
AW-16	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00190
AW-16	UA	E006	Boron, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.385	0.535
AW-16	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00100
AW-16	UA	E006	Chloride, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	43	56.0
AW-16	UA	E006	Chromium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.004	0.0480
AW-16	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.002	0.0280
AW-16	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.25	0.396
AW-16	UA	E006	Lead, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.0330
AW-16	UA	E006	Lithium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around T-S line	0.0182	0.0710
AW-16	UA	E006	Mercury, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.0002	0.0002
AW-16	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00620
AW-16	UA	E006	pH (field)	SU	02/11/21 - 07/16/24	15	0	CI around mean	6.6/6.8	6.3/7.1
AW-16	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/16/24	15	0	CB around linear reg	1.79	9.60

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AW-16	UA	E006	Selenium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00320
AW-16	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/16/24	15	87	CI around median	1	6.48
AW-16	UA	E006	Thallium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.001
AW-16	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	1,080	1,050
AW-17	UA	E006	Antimony, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.003	0.003
AW-17	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.00248	0.0300
AW-17	UA	E006	Barium, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	1.03	2.07
AW-17	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00190
AW-17	UA	E006	Boron, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	0.414	0.535
AW-17	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00100
AW-17	UA	E006	Chloride, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	46.5	56.0
AW-17	UA	E006	Chromium, total	mg/L	02/11/21 - 07/16/24	15	73	CI around median	0.004	0.0480
AW-17	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/16/24	15	7	CI around geomean	0.00193	0.0280
AW-17	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.25	0.396
AW-17	UA	E006	Lead, total	mg/L	02/11/21 - 07/16/24	15	73	CI around median	0.001	0.0330
AW-17	UA	E006	Lithium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	0.00783	0.0710
AW-17	UA	E006	Mercury, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.0002	0.0002
AW-17	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/16/24	15	53	CB around T-S line	-0.00302	0.00620
AW-17	UA	E006	pH (field)	SU	02/11/21 - 07/16/24	15	0	CI around mean	6.7/6.9	6.3/7.1
AW-17	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/16/24	15	0	CI around mean	2.45	9.60
AW-17	UA	E006	Selenium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00320
AW-17	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	1	6.48
AW-17	UA	E006	Thallium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.001
AW-17	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	849	1,050
AW-18	UA	E006	Antimony, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.003	0.003
AW-18	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	0.00338	0.0300
AW-18	UA	E006	Barium, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	1.28	2.07

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AW-18	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00190
AW-18	UA	E006	Boron, total	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	0.585	0.535
AW-18	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.00100
AW-18	UA	E006	Chloride, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	85.2	56.0
AW-18	UA	E006	Chromium, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.004	0.0480
AW-18	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/16/24	15	80	CI around median	0.002	0.0280
AW-18	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/16/24	15	60	CB around T-S line	-4.11	0.396
AW-18	UA	E006	Lead, total	mg/L	02/11/21 - 07/16/24	15	80	CI around median	0.001	0.0330
AW-18	UA	E006	Lithium, total	mg/L	02/11/21 - 07/16/24	15	7	CB around linear reg	-0.0207	0.0710
AW-18	UA	E006	Mercury, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.0002	0.0002
AW-18	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/16/24	15	0	CB around linear reg	-0.0103	0.00620
AW-18	UA	E006	pH (field)	SU	02/11/21 - 07/16/24	15	0	CI around mean	6.7/7.0	6.3/7.1
AW-18	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/16/24	15	0	CI around mean	2.48	9.60
AW-18	UA	E006	Selenium, total	mg/L	02/11/21 - 07/16/24	15	93	CI around median	0.001	0.00320
AW-18	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/16/24	15	0	CI around geomean	4.39	6.48
AW-18	UA	E006	Thallium, total	mg/L	02/11/21 - 07/16/24	15	100	All ND - Last	0.001	0.001
AW-18	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/16/24	15	0	CI around mean	804	1,050
AW-19	UA	E006	Antimony, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.003	0.003
AW-19	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	0.0117	0.0300
AW-19	UA	E006	Barium, total	mg/L	02/11/21 - 07/15/24	15	0	CI around median	0.18	2.07
AW-19	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.00190
AW-19	UA	E006	Boron, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	2.59	0.535
AW-19	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.00100
AW-19	UA	E006	Chloride, total	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	68.1	56.0
AW-19	UA	E006	Chromium, total	mg/L	02/11/21 - 07/15/24	15	73	CI around median	0.004	0.0480
AW-19	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/15/24	15	73	CI around median	0.002	0.0280
AW-19	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/15/24	15	20	CB around linear reg	0.186	0.396

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AW-19	UA	E006	Lead, total	mg/L	02/11/21 - 07/15/24	15	53	CI around median	0.001	0.0330
AW-19	UA	E006	Lithium, total	mg/L	02/11/21 - 07/15/24	15	73	CB around T-S line	-0.00696	0.0710
AW-19	UA	E006	Mercury, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.0002	0.0002
AW-19	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/15/24	15	0	CI around median	0.0035	0.00620
AW-19	UA	E006	pH (field)	SU	02/11/21 - 07/15/24	15	0	CI around mean	6.8/7.1	6.3/7.1
AW-19	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/15/24	15	0	CI around mean	0.488	9.60
AW-19	UA	E006	Selenium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.00320
AW-19	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	54	6.48
AW-19	UA	E006	Thallium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.001
AW-19	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	614	1,050
AW-21	UA	E006	Antimony, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.003	0.003
AW-21	UA	E006	Arsenic, total	mg/L	02/11/21 - 07/15/24	15	20	CI around geomean	0.00111	0.0300
AW-21	UA	E006	Barium, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	0.0608	2.07
AW-21	UA	E006	Beryllium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.00190
AW-21	UA	E006	Boron, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	10.3	0.535
AW-21	UA	E006	Cadmium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.00100
AW-21	UA	E006	Chloride, total	mg/L	02/11/21 - 07/15/24	15	0	CB around linear reg	64.3	56.0
AW-21	UA	E006	Chromium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.004	0.0480
AW-21	UA	E006	Cobalt, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.002	0.0280
AW-21	UA	E006	Fluoride, total	mg/L	02/11/21 - 07/15/24	15	7	CB around linear reg	0.12	0.396
AW-21	UA	E006	Lead, total	mg/L	02/11/21 - 07/15/24	15	93	CI around median	0.001	0.0330
AW-21	UA	E006	Lithium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.02	0.0710
AW-21	UA	E006	Mercury, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.0002	0.0002
AW-21	UA	E006	Molybdenum, total	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	0.0171	0.00620
AW-21	UA	E006	pH (field)	SU	02/11/21 - 07/15/24	15	0	CI around geomean	7.0/7.7	6.3/7.1
AW-21	UA	E006	Radium 226 + Radium 228, total	pCi/L	02/11/21 - 07/15/24	15	0	CI around mean	0.527	9.60
AW-21	UA	E006	Selenium, total	mg/L	02/11/21 - 07/15/24	15	67	CI around median	0.001	0.00320

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
EDWARDS POWER PLANT
ASH POND
BARTONVILLE, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
AW-21	UA	E006	Sulfate, total	mg/L	02/11/21 - 07/15/24	15	0	CI around median	220	6.48
AW-21	UA	E006	Thallium, total	mg/L	02/11/21 - 07/15/24	15	100	All ND - Last	0.001	0.001
AW-21	UA	E006	Total Dissolved Solids	mg/L	02/11/21 - 07/15/24	15	0	CI around mean	652	1,050

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
PMP = Potential Migration Pathway
UA = Uppermost Aquifer
mg/L = milligrams per liter
Missing Code (if applicable):
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.
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