Illinois Power Generating Company
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: Coffeen Ash Pond No. 1 (IEPA ID: W1350150004-01) 2024 Annual Consolidated Report

Dear Mr. LeCrone:

In accordance with 35 IAC § 845.550, Illinois Power Generating Company (IPGC) is submitting the annual consolidated report for the Coffeen Ash Pond No. 1 (IEPA ID: W1350150004-01), as enclosed.

Sincerely,

Dianna Tickner
Sr. Director Decommissioning & Demolition

Enclosures

Annual Consolidated Report
Illinois Power Generating Company
Coffeen Power Plant
Ash Pond No. 1; IEPA **ID: W1350150004-01**

In accordance with 35 IAC § 845.550, Illinois Power Generating Company (IPGC) 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

Coffeen Power Station

Illinois Power Generating Company

Coffeen Power Plant
134 CIPS Lane
Coffeen, IL 62017

November 2024

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

Approved by:  Director, Decommissioning and Demolition

Name Title

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

Section 1 Actions Taken to Control CCR Fugitive Dust

In accordance with the Coffeen 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	CCR to be emplaced in the landfill is conditioned before emplacement.
	Wet management of CCR bottom ash and flue gas desulfurization materials in CCR surface impoundments.
	Water areas of exposed CCR in CCR units, as necessary.
	Naturally occurring grass vegetation in areas of exposed CCR in CCR surface impoundments.
Handling of CCR at the facility	CCR bottom ash removed from CCR surface impoundments and loaded into trucks for transport remains conditioned during handling.
	CCR fly ash to be emplaced in the landfill is conditioned before emplacement.
	Load CCR transport trucks from the CCR fly ash silo using a chute with a sock (skirt).
	Perform housekeeping, as necessary, in the fly ash loading area.

CCR Activity	Actions Taken to Control CCR Fugitive Dust
Handling of CCR at the facility	CCR to be emplaced in the landfill is conditioned before emplacement.
	Cover or enclose trucks used to transport CCR fly ash.
	Limit the speed of vehicles to no more than 15 mph on facility roads.
Transportation of CCR at the facility	Cover or enclose trucks used to transport CCR other than fly ash, as necessary.
	Sweep or rinse off the outside of the trucks transporting CCR, as necessary.
	Remove CCR, as necessary, deposited on facility road surfaces during transport.
	Water CCR haul roads, including landfill roads, as necessary.

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 revisions or additions to control measures identified in the Plan were needed.

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

Coffeen Power Plant ceased operation in November of 2019. Not all the CCR activities that are listed in the table occurred after the plant was permanently shut down. For the activities that did occur, the actions taken to control CCR Fugitive Dust that are listed in the table were followed and were adequate to effectively minimize fugitive dust.

Section 2 Record of Citizen Complaints

No citizen complaints were received regarding CCR fugitive dust at Coffeen 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	Coffeen Power Station Montgomery County, Illinois 62017 9/16/2024
Operator Name / Address	Luminant Generation Company LLC 6555 Sierra Drive, Irving, TX 75039
CCR unit	Ash Pond No. 1

INSPECTION REPORT 35 IAC § 845.540	
(b)(1)(D) The annual hazard potential classification certification, if applicable (see Section 845.440).	Based on a review of the CCR unit's annual hazard potential classification, the unit is classified as a Class II CCR surface impoundment.
(b)(2)(A) Any changes in geometry of the structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, 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 900 acre-feet – Coffeen Power Station closed in early 2020.
(b)(2)(E) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 800 acre-feet – Coffeen Power Station was closed in early 2020.
(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: Coffeen Power Station
CCR Unit: Ash Pond No. 1

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P000	Piezometer	617.70'
P001	Piezometer	613.66'
P002	Piezometer	625.20'
P003	Piezometer	620.79'
P005	Piezometer	622.88'
P006	Piezometer	610.59'
P007	Piezometer	614.02'
P008	Piezometer	622.54'

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		629			3	
CCR	636		648	42		54

Section 3

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

Prepared for

Illinois Power Generating Company

Date

January 31, 2025

Project No.

1940106781-003

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

ASH POND NO. 1

COFFEEN POWER PLANT

COFFEEN, ILLINOIS

IEPA ID NO. W1350150004-01

RAMBOLL Bright ideas. Sustainable change.

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

Project name	**Coffeen Power Plant Ash Pond No. 1**
Project no.	**1940106781-003**
Recipient	**Illinois Power Generating Company**
Document type	**Annual Groundwater Monitoring and Corrective Action Report**
Version	**FINAL**
Date	**January 31, 2025**
Prepared by	**Kristen L. Theesfeld**
Checked by	**Lauren D. Cook**
Approved by	**Nicole M. Pagano, PE, PG**
Description	**Annual Report required by 35 I.A.C. § 845**

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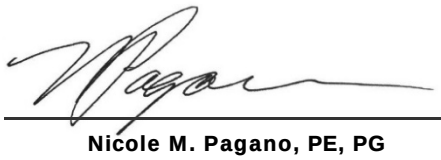
Kristen L. Theesfeld
Hydrogeologist



Nicole M. Pagano, PE, PG
Senior Project Manager

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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
AP1	Ash Pond No. 1
ASD	Alternative Source Demonstration
CCA	compliance commitment agreement
CCR	coal combustion residuals
CMA	assessment of corrective measures
CPP	Coffeen Power Plant
E004	Quarter 1, 2024 sampling event
E005	Quarter 2, 2024 sampling event
E006	Quarter 3, 2024 sampling event
E007	Quarter 4, 2024 sampling event
GWPS	groundwater protection standard
ID	identification
IEPA	Illinois Environmental Protection Agency
IPGC	Illinois Power Generating Company
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 Number (No.) 1 (AP1) located at Coffeen Power Plant (CPP) near Coffeen, Illinois. AP1 is recognized by coal combustion residuals (CCR) unit identification (ID) No. 101, Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-01, and National Inventory of Dams (NID) No. IL50722.

As required by 35 I.A.C. § 845, an operating permit application for AP1 was submitted by Illinois Power Generating Company (IPGC) to IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. IPGC entered into a compliance commitment agreement (CCA) with IEPA on December 28, 2022. As specified in the CCA, groundwater monitoring in accordance with the proposed groundwater monitoring plan and sampling methodologies provided in the operating permit application for AP1 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 AP1 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 exceedances[1] 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 G313
- Sulfate in G301, G303, G305, G307, G307D, G308, G312, G314, G314D, and G316
- Total Dissolved Solids (TDS) in G303, G305, G308, G310, G312, G313, G314, G314D, and G316

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) on January 14, 2024. A CMA extension request was submitted to IEPA on January 15, 2024 and approved on January 17, 2024. The CMA extension request and IEPA 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 IPGC’s operating permit application for the CPP AP1. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPGC 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 IEPA on June 12, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, a semiannual report describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan was submitted to IEPA on December 12, 2024 (Ramboll, 2024f).

As required by 35 I.A.C. § 845.670, a corrective action plan that identifies the selected remedy must be submitted to IEPA within one year after completing the CMA. Activities currently ongoing in support of developing the corrective action plan include development of a corrective action alternatives analysis, human health and ecological risk assessment, and supporting technical documents. Accordingly, a public meeting will be held prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d) and a corrective action plan will be submitted to IEPA on or before June 12, 2025. Remedial activities have not been 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 IPGC, to provide the information required by 35 I.A.C. § 845.610(e) for AP1 located at CPP near Coffeen, Illinois. The owner or operator of a CCR surface impoundment (SI) must prepare and submit to IEPA by January 31st of each year an Annual Groundwater Monitoring and Corrective Action Report for the preceding calendar year as part of the Annual Consolidated Report required by 35 I.A.C. § 845.550. The Annual Groundwater Monitoring and Corrective Action Report shall document the status of the groundwater monitoring and corrective action plan for the CCR SI (**Section 2**), summarize key actions completed, including the status of permit applications and Agency approvals (**Section 3**), describe any problems encountered and actions to resolve the problems (**Section 4**), and project key activities for the upcoming year (**Section 5**).

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

A. A map, aerial image, or diagram showing the CCR SI and all background (or upgradient) and [downgradient] compliance monitoring wells, including the well identification numbers, that are part of the groundwater monitoring program for the CCR SI (**Figure 1**) and a visual delineation of any exceedances of the [groundwater protection standard] GWPS (**Figures 2 through 4**).

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 5 through 16**).

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 CPP AP1 for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

An operating permit application for AP1 was submitted by IPGC to IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. IPGC entered into a CCA with IEPA on December 28, 2022. The CCA required that groundwater monitoring in accordance with the proposed groundwater monitoring plan and sampling methodologies provided in the operating permit application for AP1 commenced in the second quarter of 2023. After AP1 has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit. As specified in the CCA, groundwater sampling requirements that apply to the CCR SI under other existing permit programs will become void upon issuance of an approved operating permit pursuant to 35 I.A.C § 845.

A construction permit application for AP1 was also submitted by IPGC to IEPA on July 28, 2022 in accordance with the requirements specified in 35 I.A.C. § 845.220(a) and (d) and is pending approval.

As noted in the **Executive Summary**, GWPS exceedances were determined for AP1 in 2024. An ASD was not completed for these GWPS exceedances; they will be addressed in accordance with 35 I.A.C. § 845.660c. The CMA was initiated on January 14, 2024. A CMA extension request was submitted to IEPA on January 15, 2024 and approved on January 17, 2024 (included as attachment to Ramboll, 2024d).

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

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

3. KEY ACTIONS COMPLETED IN 2024

The proposed 35 I.A.C. § 845 monitoring system is presented in **Figure 1**. No wells were installed or decommissioned 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 2024[3]. Potentiometric surfaces for January through December 2024 are included in **Figures 5 through 16**.

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 are attached to the quarterly Groundwater Monitoring Data and Detected Exceedances Reports for Quarters 1 through 3 (Ramboll, 2024a; Ramboll, 2024b; Ramboll, 2024c); therefore, these reports are not attached to this annual report to avoid reproduction of lengthy data transmittals that have been previously provided in hardcopy.

[3] Monitoring well G307 was noted as artesian during the February and August 2024 sampling events therefore, groundwater elevation data were not recorded. A packer is used to prevent the well from flowing. Due to the packer, a transducer cannot be installed and monthly static groundwater elevation cannot be recorded.

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

Event ID	Sampling Dates [1, 2, 3]	Analytical Data Receipt Date	Exceedance Determination Date	ASD Completion Date
E004	February 13-19, 2024	April 8, 2024	June 7, 2024	NA
E005	April 30 - May 6, 2024	June 17, 2024	August 16, 2024	NA
E006	July 30 - August 5, 2024	September 13, 2024	November 12, 2024	NA
E007	October 30 – November 7, 2024	December 19, 2024	TBD [4]	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: G281 and G306

[3] The following compliance wells were sampled for each event: G301, G302, G303, G305, G307, G307D, G308, G310, G312, G313, G314, G314D, G315, and G316

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

3.2 Exceedances of GWPS

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the constituent concentrations observed at compliance monitoring wells identified as Statistical Results in **Table 2** were compared with the GWPSs described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS. The following exceedances of the GWPSs were determined and are shown on **Figures 2 through 4**[4]:

- Boron in G313
- Sulfate in G301, G303, G305, G307, G307D, G308, G312, G314, G314D, and G316
- TDS in G303, G305, G308, G310, G312, G313, G314, G314D, and G316

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.

[4] 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 AP1 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 AP1. After AP1 has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit. Groundwater monitoring will include:
  - Monthly groundwater elevations
  - Quarterly groundwater sampling
- Complete evaluation of analytical data from the compliance wells to determine whether exceedances above GWPSs have occurred.
- If a GWPS exceedance is identified, potential alternative sources (*i.e.,* a source other than the CCR unit caused the GWPS exceedance or that the exceedance resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
  - If an alternative source is identified to be the cause of the GWPS exceedance, a written demonstration will be completed within 60 days of determination and included in the 2025 Annual Groundwater Monitoring and Corrective Action Report.
  - If an alternative source(s) is not identified to be the cause of the GWPS exceedance, the applicable requirements of 35 I.A.C. § 845.660 will be met.
- A public meeting will be held prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d).
- A corrective action plan will be submitted to IEPA on or before June 12, 2025 as required by 35 I.A.C. § 845.670.

6. REFERENCES

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

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan.* Coffeen Power Plant, Ash Pond No. 1, Coffeen, Illinois. IPGC. October 25, 2021.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024a. 35 I.A.C. § 845.610(B)(3)(D) Groundwater Monitoring Data and Detected Exceedances, 2024 Quarter 1, Ash Pond No. 1, Coffeen Power Plant, Coffeen, Illinois. June 7, 2024. https://www.luminant.com/documents/ccr/il-ccr/Coffeen/2024/2024-Coffeen%20AP1%202024%201st%20qtr%2035%20IAC%20845%20GW%20report-Coffeen-Ash%20Pond%201-W1350150004%E2%80%9001.pdf

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TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E004	02/15/2024	Antimony, total	0.0004 U	mg/L
G281	Background	E004	02/15/2024	Arsenic, total	0.001 UJ	mg/L
G281	Background	E004	02/15/2024	Barium, total	0.0785	mg/L
G281	Background	E004	02/15/2024	Beryllium, total	0.0002 U	mg/L
G281	Background	E004	02/15/2024	Boron, total	0.02 UJ	mg/L
G281	Background	E004	02/15/2024	Cadmium, total	0.0002 U	mg/L
G281	Background	E004	02/15/2024	Calcium, total	151	mg/L
G281	Background	E004	02/15/2024	Chloride, total	75.0	mg/L
G281	Background	E004	02/15/2024	Chromium, total	0.00310 J+	mg/L
G281	Background	E004	02/15/2024	Cobalt, total	0.001 UJ	mg/L
G281	Background	E004	02/15/2024	Dissolved Oxygen	2.53	mg/L
G281	Background	E004	02/15/2024	Fluoride, total	0.270	mg/L
G281	Background	E004	02/15/2024	Lead, total	0.00120	mg/L
G281	Background	E004	02/15/2024	Lithium, total	0.00600	mg/L
G281	Background	E004	02/15/2024	Mercury, total	0.00008 U	mg/L
G281	Background	E004	02/15/2024	Molybdenum, total	0.0006 U	mg/L
G281	Background	E004	02/15/2024	Oxidation Reduction Potential	156	mV
G281	Background	E004	02/15/2024	pH (field)	6.9	SU
G281	Background	E004	02/15/2024	Radium 226 + Radium 228, total	2.04	pCi/L
G281	Background	E004	02/15/2024	Selenium, total	0.0006 U	mg/L
G281	Background	E004	02/15/2024	Specific Conductance @ 25C (field)	1,370	micromhos/cm
G281	Background	E004	02/15/2024	Sulfate, total	289	mg/L
G281	Background	E004	02/15/2024	Temperature	12.8	degrees C
G281	Background	E004	02/15/2024	Thallium, total	0.001 U	mg/L
G281	Background	E004	02/15/2024	Total Dissolved Solids	850	mg/L
G281	Background	E004	02/15/2024	Turbidity, field	31.0	NTU
G306	Background	E004	02/14/2024	Antimony, total	0.00260 J+	mg/L
G306	Background	E004	02/14/2024	Arsenic, total	0.001 UJ	mg/L
G306	Background	E004	02/14/2024	Barium, total	0.0379	mg/L
G306	Background	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G306	Background	E004	02/14/2024	Boron, total	2.32	mg/L
G306	Background	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G306	Background	E004	02/14/2024	Calcium, total	84.1	mg/L
G306	Background	E004	02/14/2024	Chloride, total	2 J	mg/L
G306	Background	E004	02/14/2024	Chromium, total	0.00260 J+	mg/L
G306	Background	E004	02/14/2024	Cobalt, total	0.001 UJ	mg/L
G306	Background	E004	02/14/2024	Dissolved Oxygen	2.42	mg/L
G306	Background	E004	02/14/2024	Fluoride, total	0.170	mg/L
G306	Background	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G306	Background	E004	02/14/2024	Lithium, total	0.00490	mg/L
G306	Background	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G306	Background	E004	02/14/2024	Molybdenum, total	0.0015 UJ	mg/L
G306	Background	E004	02/14/2024	Oxidation Reduction Potential	137	mV
G306	Background	E004	02/14/2024	pH (field)	6.3	SU
G306	Background	E004	02/14/2024	Radium 226 + Radium 228, total	0.272	pCi/L
G306	Background	E004	02/14/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G306	Background	E004	02/14/2024	Specific Conductance @ 25C (field)	663	micromhos/cm
G306	Background	E004	02/14/2024	Sulfate, total	141	mg/L
G306	Background	E004	02/14/2024	Temperature	12.9	degrees C
G306	Background	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G306	Background	E004	02/14/2024	Total Dissolved Solids	476	mg/L
G306	Background	E004	02/14/2024	Turbidity, field	30.0	NTU
G301	Compliance	E004	02/19/2024	Antimony, total	0.00190 J+	mg/L
G301	Compliance	E004	02/19/2024	Arsenic, total	0.001 UJ	mg/L
G301	Compliance	E004	02/19/2024	Barium, total	0.0254	mg/L
G301	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G301	Compliance	E004	02/19/2024	Boron, total	2.62	mg/L
G301	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E004	02/19/2024	Calcium, total	109	mg/L
G301	Compliance	E004	02/19/2024	Chloride, total	12.0	mg/L
G301	Compliance	E004	02/19/2024	Chromium, total	0.00300 J+	mg/L
G301	Compliance	E004	02/19/2024	Cobalt, total	0.00220 J+	mg/L
G301	Compliance	E004	02/19/2024	Dissolved Oxygen	0.720	mg/L
G301	Compliance	E004	02/19/2024	Fluoride, total	0.260	mg/L
G301	Compliance	E004	02/19/2024	Lead, total	0.00100	mg/L
G301	Compliance	E004	02/19/2024	Lithium, total	0.00600	mg/L
G301	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G301	Compliance	E004	02/19/2024	Molybdenum, total	0.0006 U	mg/L
G301	Compliance	E004	02/19/2024	Oxidation Reduction Potential	110	mV
G301	Compliance	E004	02/19/2024	pH (field)	6.6	SU
G301	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.0195	pCi/L
G301	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G301	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	991	micromhos/cm
G301	Compliance	E004	02/19/2024	Sulfate, total	480	mg/L
G301	Compliance	E004	02/19/2024	Temperature	12.2	degrees C
G301	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G301	Compliance	E004	02/19/2024	Total Dissolved Solids	912	mg/L
G301	Compliance	E004	02/19/2024	Turbidity, field	22.0	NTU
G302	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G302	Compliance	E004	02/19/2024	Arsenic, total	0.00160 J+	mg/L
G302	Compliance	E004	02/19/2024	Barium, total	0.0464	mg/L
G302	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G302	Compliance	E004	02/19/2024	Boron, total	2.41	mg/L
G302	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E004	02/19/2024	Calcium, total	191	mg/L
G302	Compliance	E004	02/19/2024	Chloride, total	23.0	mg/L
G302	Compliance	E004	02/19/2024	Chromium, total	0.00360 J+	mg/L
G302	Compliance	E004	02/19/2024	Cobalt, total	0.00240 J+	mg/L
G302	Compliance	E004	02/19/2024	Dissolved Oxygen	1.64	mg/L
G302	Compliance	E004	02/19/2024	Fluoride, total	0.240	mg/L
G302	Compliance	E004	02/19/2024	Lead, total	0.00150	mg/L
G302	Compliance	E004	02/19/2024	Lithium, total	0.0154	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G302	Compliance	E004	02/19/2024	Molybdenum, total	0.0015 UJ	mg/L
G302	Compliance	E004	02/19/2024	Oxidation Reduction Potential	25.0	mV
G302	Compliance	E004	02/19/2024	pH (field)	6.7	SU
G302	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.158	pCi/L
G302	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G302	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,370	micromhos/cm
G302	Compliance	E004	02/19/2024	Sulfate, total	592	mg/L
G302	Compliance	E004	02/19/2024	Temperature	12.5	degrees C
G302	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G302	Compliance	E004	02/19/2024	Total Dissolved Solids	1,160	mg/L
G302	Compliance	E004	02/19/2024	Turbidity, field	69.0	NTU
G303	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G303	Compliance	E004	02/14/2024	Arsenic, total	0.00120 J+	mg/L
G303	Compliance	E004	02/14/2024	Barium, total	0.0156 J+	mg/L
G303	Compliance	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G303	Compliance	E004	02/14/2024	Boron, total	2.28	mg/L
G303	Compliance	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E004	02/14/2024	Calcium, total	172	mg/L
G303	Compliance	E004	02/14/2024	Chloride, total	27.0	mg/L
G303	Compliance	E004	02/14/2024	Chromium, total	0.0012 U	mg/L
G303	Compliance	E004	02/14/2024	Cobalt, total	0.00110 J+	mg/L
G303	Compliance	E004	02/14/2024	Dissolved Oxygen	1.38	mg/L
G303	Compliance	E004	02/14/2024	Fluoride, total	0.290	mg/L
G303	Compliance	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G303	Compliance	E004	02/14/2024	Lithium, total	0.0288	mg/L
G303	Compliance	E004	02/14/2024	Mercury, total	0.00008 U	mg/L
G303	Compliance	E004	02/14/2024	Molybdenum, total	0.00190 J+	mg/L
G303	Compliance	E004	02/14/2024	Oxidation Reduction Potential	116	mV
G303	Compliance	E004	02/14/2024	pH (field)	6.7	SU
G303	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.292	pCi/L
G303	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G303	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,750	micromhos/cm
G303	Compliance	E004	02/14/2024	Sulfate, total	642	mg/L
G303	Compliance	E004	02/14/2024	Temperature	11.7	degrees C
G303	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G303	Compliance	E004	02/14/2024	Total Dissolved Solids	1,560	mg/L
G303	Compliance	E004	02/14/2024	Turbidity, field	31.0	NTU
G305	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G305	Compliance	E004	02/19/2024	Arsenic, total	0.001 UJ	mg/L
G305	Compliance	E004	02/19/2024	Barium, total	0.0328	mg/L
G305	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E004	02/19/2024	Boron, total	2.76	mg/L
G305	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E004	02/19/2024	Calcium, total	180	mg/L
G305	Compliance	E004	02/19/2024	Chloride, total	18.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E004	02/19/2024	Chromium, total	0.00220 J+	mg/L
G305	Compliance	E004	02/19/2024	Cobalt, total	0.001 UJ	mg/L
G305	Compliance	E004	02/19/2024	Dissolved Oxygen	0.640	mg/L
G305	Compliance	E004	02/19/2024	Fluoride, total	0.460	mg/L
G305	Compliance	E004	02/19/2024	Lead, total	0.00110	mg/L
G305	Compliance	E004	02/19/2024	Lithium, total	0.00800	mg/L
G305	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G305	Compliance	E004	02/19/2024	Molybdenum, total	0.0015 UJ	mg/L
G305	Compliance	E004	02/19/2024	Oxidation Reduction Potential	96.0	mV
G305	Compliance	E004	02/19/2024	pH (field)	7.2	SU
G305	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.106	pCi/L
G305	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G305	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,440	micromhos/cm
G305	Compliance	E004	02/19/2024	Sulfate, total	818	mg/L
G305	Compliance	E004	02/19/2024	Temperature	13.1	degrees C
G305	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G305	Compliance	E004	02/19/2024	Total Dissolved Solids	1,430	mg/L
G305	Compliance	E004	02/19/2024	Turbidity, field	24.0	NTU
G307	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G307	Compliance	E004	02/14/2024	Arsenic, total	0.00460 J+	mg/L
G307	Compliance	E004	02/14/2024	Barium, total	0.0729	mg/L
G307	Compliance	E004	02/14/2024	Beryllium, total	0.0005 J	mg/L
G307	Compliance	E004	02/14/2024	Boron, total	2.10	mg/L
G307	Compliance	E004	02/14/2024	Cadmium, total	0.00130 J+	mg/L
G307	Compliance	E004	02/14/2024	Calcium, total	166	mg/L
G307	Compliance	E004	02/14/2024	Chloride, total	11.0	mg/L
G307	Compliance	E004	02/14/2024	Chromium, total	0.0192	mg/L
G307	Compliance	E004	02/14/2024	Cobalt, total	0.00660	mg/L
G307	Compliance	E004	02/14/2024	Dissolved Oxygen	1.09	mg/L
G307	Compliance	E004	02/14/2024	Fluoride, total	0.350	mg/L
G307	Compliance	E004	02/14/2024	Lead, total	0.00950	mg/L
G307	Compliance	E004	02/14/2024	Lithium, total	0.0133	mg/L
G307	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G307	Compliance	E004	02/14/2024	Molybdenum, total	0.0015 UJ	mg/L
G307	Compliance	E004	02/14/2024	Oxidation Reduction Potential	99.0	mV
G307	Compliance	E004	02/14/2024	pH (field)	6.9	SU
G307	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.382	pCi/L
G307	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G307	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,050	micromhos/cm
G307	Compliance	E004	02/14/2024	Sulfate, total	464	mg/L
G307	Compliance	E004	02/14/2024	Temperature	14.8	degrees C
G307	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G307	Compliance	E004	02/14/2024	Total Dissolved Solids	865	mg/L
G307	Compliance	E004	02/14/2024	Turbidity, field	260	NTU
G307D	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G307D	Compliance	E004	02/14/2024	Arsenic, total	0.00180 J+	mg/L

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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G307D	Compliance	E004	02/14/2024	Barium, total	0.0215 J+	mg/L
G307D	Compliance	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E004	02/14/2024	Boron, total	1.89	mg/L
G307D	Compliance	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E004	02/14/2024	Calcium, total	159	mg/L
G307D	Compliance	E004	02/14/2024	Chloride, total	13.0	mg/L
G307D	Compliance	E004	02/14/2024	Chromium, total	0.0015 UJ	mg/L
G307D	Compliance	E004	02/14/2024	Cobalt, total	0.001 UJ	mg/L
G307D	Compliance	E004	02/14/2024	Dissolved Oxygen	2.50	mg/L
G307D	Compliance	E004	02/14/2024	Fluoride, total	0.520	mg/L
G307D	Compliance	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G307D	Compliance	E004	02/14/2024	Lithium, total	0.0023 J	mg/L
G307D	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E004	02/14/2024	Molybdenum, total	0.00260 J+	mg/L
G307D	Compliance	E004	02/14/2024	Oxidation Reduction Potential	30.0	mV
G307D	Compliance	E004	02/14/2024	pH (field)	7.1	SU
G307D	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.318	pCi/L
G307D	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,210	micromhos/cm
G307D	Compliance	E004	02/14/2024	Sulfate, total	605	mg/L
G307D	Compliance	E004	02/14/2024	Temperature	14.1	degrees C
G307D	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G307D	Compliance	E004	02/14/2024	Total Dissolved Solids	1,080	mg/L
G307D	Compliance	E004	02/14/2024	Turbidity, field	16.0	NTU
G308	Compliance	E004	02/16/2024	Antimony, total	0.0004 U	mg/L
G308	Compliance	E004	02/16/2024	Arsenic, total	0.00120 J+	mg/L
G308	Compliance	E004	02/16/2024	Barium, total	0.0297	mg/L
G308	Compliance	E004	02/16/2024	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E004	02/16/2024	Boron, total	3.39	mg/L
G308	Compliance	E004	02/16/2024	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E004	02/16/2024	Calcium, total	188	mg/L
G308	Compliance	E004	02/16/2024	Chloride, total	10.0	mg/L
G308	Compliance	E004	02/16/2024	Chromium, total	0.00330 J+	mg/L
G308	Compliance	E004	02/16/2024	Cobalt, total	0.001 UJ	mg/L
G308	Compliance	E004	02/16/2024	Dissolved Oxygen	0.560	mg/L
G308	Compliance	E004	02/16/2024	Fluoride, total	0.570	mg/L
G308	Compliance	E004	02/16/2024	Lead, total	0.0008 J	mg/L
G308	Compliance	E004	02/16/2024	Lithium, total	0.00980	mg/L
G308	Compliance	E004	02/16/2024	Mercury, total	0.00006 U	mg/L
G308	Compliance	E004	02/16/2024	Molybdenum, total	0.00170 J+	mg/L
G308	Compliance	E004	02/16/2024	Oxidation Reduction Potential	119	mV
G308	Compliance	E004	02/16/2024	pH (field)	7.1	SU
G308	Compliance	E004	02/16/2024	Radium 226 + Radium 228, total	0.0476	pCi/L
G308	Compliance	E004	02/16/2024	Selenium, total	0.0006 U	mg/L
G308	Compliance	E004	02/16/2024	Specific Conductance @ 25C (field)	1,530	micromhos/cm
G308	Compliance	E004	02/16/2024	Sulfate, total	835	mg/L

TABLE 1.
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E004	02/16/2024	Temperature	11.3	degrees C
G308	Compliance	E004	02/16/2024	Thallium, total	0.001 U	mg/L
G308	Compliance	E004	02/16/2024	Total Dissolved Solids	1,530	mg/L
G308	Compliance	E004	02/16/2024	Turbidity, field	6.80	NTU
G310	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G310	Compliance	E004	02/19/2024	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E004	02/19/2024	Barium, total	0.0183 J+	mg/L
G310	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G310	Compliance	E004	02/19/2024	Boron, total	2.21	mg/L
G310	Compliance	E004	02/19/2024	Cadmium, total	0.001 UJ	mg/L
G310	Compliance	E004	02/19/2024	Calcium, total	143	mg/L
G310	Compliance	E004	02/19/2024	Chloride, total	12.0	mg/L
G310	Compliance	E004	02/19/2024	Chromium, total	0.0015 UJ	mg/L
G310	Compliance	E004	02/19/2024	Cobalt, total	0.00160 J+	mg/L
G310	Compliance	E004	02/19/2024	Dissolved Oxygen	0.520	mg/L
G310	Compliance	E004	02/19/2024	Fluoride, total	0.290	mg/L
G310	Compliance	E004	02/19/2024	Lead, total	0.0006 U	mg/L
G310	Compliance	E004	02/19/2024	Lithium, total	0.00680	mg/L
G310	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G310	Compliance	E004	02/19/2024	Molybdenum, total	0.0006 U	mg/L
G310	Compliance	E004	02/19/2024	Oxidation Reduction Potential	93.0	mV
G310	Compliance	E004	02/19/2024	pH (field)	7.1	SU
G310	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.401	pCi/L
G310	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G310	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,140	micromhos/cm
G310	Compliance	E004	02/19/2024	Sulfate, total	620	mg/L
G310	Compliance	E004	02/19/2024	Temperature	12.7	degrees C
G310	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G310	Compliance	E004	02/19/2024	Total Dissolved Solids	1,030	mg/L
G310	Compliance	E004	02/19/2024	Turbidity, field	2.30	NTU
G312	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G312	Compliance	E004	02/19/2024	Arsenic, total	0.001 UJ	mg/L
G312	Compliance	E004	02/19/2024	Barium, total	0.0323	mg/L
G312	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G312	Compliance	E004	02/19/2024	Boron, total	3.15	mg/L
G312	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G312	Compliance	E004	02/19/2024	Calcium, total	188	mg/L
G312	Compliance	E004	02/19/2024	Chloride, total	23.0	mg/L
G312	Compliance	E004	02/19/2024	Chromium, total	0.0015 UJ	mg/L
G312	Compliance	E004	02/19/2024	Cobalt, total	0.00150 J+	mg/L
G312	Compliance	E004	02/19/2024	Dissolved Oxygen	1.15	mg/L
G312	Compliance	E004	02/19/2024	Fluoride, total	0.200	mg/L
G312	Compliance	E004	02/19/2024	Lead, total	0.0006 U	mg/L
G312	Compliance	E004	02/19/2024	Lithium, total	0.0161	mg/L
G312	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G312	Compliance	E004	02/19/2024	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G312	Compliance	E004	02/19/2024	Oxidation Reduction Potential	84.0	mV
G312	Compliance	E004	02/19/2024	pH (field)	6.3	SU
G312	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.235	pCi/L
G312	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G312	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,450	micromhos/cm
G312	Compliance	E004	02/19/2024	Sulfate, total	779	mg/L
G312	Compliance	E004	02/19/2024	Temperature	12.6	degrees C
G312	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G312	Compliance	E004	02/19/2024	Total Dissolved Solids	1,540	mg/L
G312	Compliance	E004	02/19/2024	Turbidity, field	3.40	NTU
G313	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G313	Compliance	E004	02/13/2024	Arsenic, total	0.0004 U	mg/L
G313	Compliance	E004	02/13/2024	Barium, total	0.0175 J+	mg/L
G313	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G313	Compliance	E004	02/13/2024	Boron, total	3.15	mg/L
G313	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E004	02/13/2024	Calcium, total	188	mg/L
G313	Compliance	E004	02/13/2024	Chloride, total	20.0	mg/L
G313	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G313	Compliance	E004	02/13/2024	Cobalt, total	0.001 UJ	mg/L
G313	Compliance	E004	02/13/2024	Dissolved Oxygen	0.340	mg/L
G313	Compliance	E004	02/13/2024	Fluoride, total	0.280	mg/L
G313	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G313	Compliance	E004	02/13/2024	Lithium, total	0.0267	mg/L
G313	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G313	Compliance	E004	02/13/2024	Molybdenum, total	0.0015 UJ	mg/L
G313	Compliance	E004	02/13/2024	Oxidation Reduction Potential	91.0	mV
G313	Compliance	E004	02/13/2024	pH (field)	6.8	SU
G313	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.339	pCi/L
G313	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G313	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	1,630	micromhos/cm
G313	Compliance	E004	02/13/2024	Sulfate, total	726	mg/L
G313	Compliance	E004	02/13/2024	Temperature	12.2	degrees C
G313	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G313	Compliance	E004	02/13/2024	Total Dissolved Solids	1,270	mg/L
G313	Compliance	E004	02/13/2024	Turbidity, field	33.0	NTU
G314	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G314	Compliance	E004	02/13/2024	Arsenic, total	0.001 UJ	mg/L
G314	Compliance	E004	02/13/2024	Barium, total	0.0158 J+	mg/L
G314	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G314	Compliance	E004	02/13/2024	Boron, total	0.135 J+	mg/L
G314	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E004	02/13/2024	Calcium, total	581	mg/L
G314	Compliance	E004	02/13/2024	Chloride, total	32.0	mg/L
G314	Compliance	E004	02/13/2024	Chromium, total	0.00190 J+	mg/L
G314	Compliance	E004	02/13/2024	Cobalt, total	0.00140 J+	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314	Compliance	E004	02/13/2024	Dissolved Oxygen	0.540	mg/L
G314	Compliance	E004	02/13/2024	Fluoride, total	0.220	mg/L
G314	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G314	Compliance	E004	02/13/2024	Lithium, total	0.00610	mg/L
G314	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G314	Compliance	E004	02/13/2024	Molybdenum, total	0.0015 UJ	mg/L
G314	Compliance	E004	02/13/2024	Oxidation Reduction Potential	5.00	mV
G314	Compliance	E004	02/13/2024	pH (field)	6.6	SU
G314	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.381	pCi/L
G314	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G314	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	2,980	micromhos/cm
G314	Compliance	E004	02/13/2024	Sulfate, total	2,270	mg/L
G314	Compliance	E004	02/13/2024	Temperature	11.8	degrees C
G314	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G314	Compliance	E004	02/13/2024	Total Dissolved Solids	3,430	mg/L
G314	Compliance	E004	02/13/2024	Turbidity, field	120	NTU
G314D	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G314D	Compliance	E004	02/13/2024	Arsenic, total	0.00460 J+	mg/L
G314D	Compliance	E004	02/13/2024	Barium, total	0.0335	mg/L
G314D	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G314D	Compliance	E004	02/13/2024	Boron, total	0.176	mg/L
G314D	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E004	02/13/2024	Calcium, total	276	mg/L
G314D	Compliance	E004	02/13/2024	Chloride, total	58.0	mg/L
G314D	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G314D	Compliance	E004	02/13/2024	Cobalt, total	0.00280 J+	mg/L
G314D	Compliance	E004	02/13/2024	Dissolved Oxygen	0.400	mg/L
G314D	Compliance	E004	02/13/2024	Fluoride, total	0.590	mg/L
G314D	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G314D	Compliance	E004	02/13/2024	Lithium, total	0.0173	mg/L
G314D	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G314D	Compliance	E004	02/13/2024	Molybdenum, total	0.00390 J+	mg/L
G314D	Compliance	E004	02/13/2024	Oxidation Reduction Potential	-16.0	mV
G314D	Compliance	E004	02/13/2024	pH (field)	6.8	SU
G314D	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	1.61	pCi/L
G314D	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	2,520	micromhos/cm
G314D	Compliance	E004	02/13/2024	Sulfate, total	1,160	mg/L
G314D	Compliance	E004	02/13/2024	Temperature	12.5	degrees C
G314D	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G314D	Compliance	E004	02/13/2024	Total Dissolved Solids	2,220	mg/L
G314D	Compliance	E004	02/13/2024	Turbidity, field	120	NTU
G315	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G315	Compliance	E004	02/14/2024	Arsenic, total	0.0004 U	mg/L
G315	Compliance	E004	02/14/2024	Barium, total	0.0175 J+	mg/L
G315	Compliance	E004	02/14/2024	Beryllium, total	0.0002 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
G315	Compliance	E004	02/14/2024	Boron, total	1.40	mg/L
G315	Compliance	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E004	02/14/2024	Calcium, total	143	mg/L
G315	Compliance	E004	02/14/2024	Chloride, total	12.0	mg/L
G315	Compliance	E004	02/14/2024	Chromium, total	0.0015 UJ	mg/L
G315	Compliance	E004	02/14/2024	Cobalt, total	0.001 UJ	mg/L
G315	Compliance	E004	02/14/2024	Dissolved Oxygen	0.620	mg/L
G315	Compliance	E004	02/14/2024	Fluoride, total	1.48	mg/L
G315	Compliance	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G315	Compliance	E004	02/14/2024	Lithium, total	0.00460	mg/L
G315	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G315	Compliance	E004	02/14/2024	Molybdenum, total	0.0006 U	mg/L
G315	Compliance	E004	02/14/2024	Oxidation Reduction Potential	153	mV
G315	Compliance	E004	02/14/2024	pH (field)	6.7	SU
G315	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.324	pCi/L
G315	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G315	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,160	micromhos/cm
G315	Compliance	E004	02/14/2024	Sulfate, total	537	mg/L
G315	Compliance	E004	02/14/2024	Temperature	11.8	degrees C
G315	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G315	Compliance	E004	02/14/2024	Total Dissolved Solids	1,040	mg/L
G315	Compliance	E004	02/14/2024	Turbidity, field	3.10	NTU
G316	Compliance	E004	02/13/2024	Antimony, total	0.00120 J+	mg/L
G316	Compliance	E004	02/13/2024	Arsenic, total	0.00790 J+	mg/L
G316	Compliance	E004	02/13/2024	Barium, total	0.0726	mg/L
G316	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G316	Compliance	E004	02/13/2024	Boron, total	0.340	mg/L
G316	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E004	02/13/2024	Calcium, total	190	mg/L
G316	Compliance	E004	02/13/2024	Chloride, total	25.0	mg/L
G316	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G316	Compliance	E004	02/13/2024	Cobalt, total	0.00250 J+	mg/L
G316	Compliance	E004	02/13/2024	Dissolved Oxygen	0.680	mg/L
G316	Compliance	E004	02/13/2024	Fluoride, total	0.260	mg/L
G316	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G316	Compliance	E004	02/13/2024	Lithium, total	0.0016 J	mg/L
G316	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G316	Compliance	E004	02/13/2024	Molybdenum, total	0.00500 J+	mg/L
G316	Compliance	E004	02/13/2024	Oxidation Reduction Potential	-68.0	mV
G316	Compliance	E004	02/13/2024	pH (field)	6.9	SU
G316	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.858	pCi/L
G316	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G316	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	1,740	micromhos/cm
G316	Compliance	E004	02/13/2024	Sulfate, total	789	mg/L
G316	Compliance	E004	02/13/2024	Temperature	10.9	degrees C
G316	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G316	Compliance	E004	02/13/2024	Total Dissolved Solids	1,470	mg/L
G316	Compliance	E004	02/13/2024	Turbidity, field	1.20	NTU

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

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E005	05/03/2024	Antimony, total	0.0006 U	mg/L
G281	Background	E005	05/03/2024	Arsenic, total	0.0006 J	mg/L
G281	Background	E005	05/03/2024	Barium, total	0.0703	mg/L
G281	Background	E005	05/03/2024	Beryllium, total	0.0002 U	mg/L
G281	Background	E005	05/03/2024	Boron, total	0.0092 U	mg/L
G281	Background	E005	05/03/2024	Cadmium, total	0.0002 U	mg/L
G281	Background	E005	05/03/2024	Calcium, total	151	mg/L
G281	Background	E005	05/03/2024	Chloride, total	78.0	mg/L
G281	Background	E005	05/03/2024	Chromium, total	0.00170 J+	mg/L
G281	Background	E005	05/03/2024	Cobalt, total	0.0004 J	mg/L
G281	Background	E005	05/03/2024	Dissolved Oxygen	0.150	mg/L
G281	Background	E005	05/03/2024	Fluoride, total	0.290	mg/L
G281	Background	E005	05/03/2024	Lead, total	0.0006 U	mg/L
G281	Background	E005	05/03/2024	Lithium, total	0.00480	mg/L
G281	Background	E005	05/03/2024	Mercury, total	0.00006 UJ	mg/L
G281	Background	E005	05/03/2024	Molybdenum, total	0.0009 J	mg/L
G281	Background	E005	05/03/2024	Oxidation Reduction Potential	91.0	mV
G281	Background	E005	05/03/2024	pH (field)	7.0	SU
G281	Background	E005	05/03/2024	Radium 226 + Radium 228, total	0.151	pCi/L
G281	Background	E005	05/03/2024	Selenium, total	0.0006 U	mg/L
G281	Background	E005	05/03/2024	Specific Conductance @ 25C (field)	1,330	micromhos/cm
G281	Background	E005	05/03/2024	Sulfate, total	292	mg/L
G281	Background	E005	05/03/2024	Temperature	13.7	degrees C
G281	Background	E005	05/03/2024	Thallium, total	0.001 U	mg/L
G281	Background	E005	05/03/2024	Total Dissolved Solids	890	mg/L
G281	Background	E005	05/03/2024	Turbidity, field	63.0	NTU
G306	Background	E005	05/01/2024	Antimony, total	0.0005 U	mg/L
G306	Background	E005	05/01/2024	Arsenic, total	0.0008 J	mg/L
G306	Background	E005	05/01/2024	Barium, total	0.0419	mg/L
G306	Background	E005	05/01/2024	Beryllium, total	0.0002 U	mg/L
G306	Background	E005	05/01/2024	Boron, total	2.11	mg/L
G306	Background	E005	05/01/2024	Cadmium, total	0.0002 U	mg/L
G306	Background	E005	05/01/2024	Calcium, total	97.2	mg/L
G306	Background	E005	05/01/2024	Chloride, total	3 J	mg/L
G306	Background	E005	05/01/2024	Chromium, total	0.00400 J+	mg/L
G306	Background	E005	05/01/2024	Cobalt, total	0.0006 J	mg/L
G306	Background	E005	05/01/2024	Dissolved Oxygen	4.40	mg/L
G306	Background	E005	05/01/2024	Fluoride, total	0.190	mg/L
G306	Background	E005	05/01/2024	Lead, total	0.0008 J	mg/L
G306	Background	E005	05/01/2024	Lithium, total	0.00510	mg/L
G306	Background	E005	05/01/2024	Mercury, total	0.000360	mg/L
G306	Background	E005	05/01/2024	Molybdenum, total	0.0006 U	mg/L
G306	Background	E005	05/01/2024	Oxidation Reduction Potential	78.0	mV
G306	Background	E005	05/01/2024	pH (field)	6.4	SU
G306	Background	E005	05/01/2024	Radium 226 + Radium 228, total	0.0856	pCi/L
G306	Background	E005	05/01/2024	Selenium, total	0.0006 U	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
G306	Background	E005	05/01/2024	Specific Conductance @ 25C (field)	682	micromhos/cm
G306	Background	E005	05/01/2024	Sulfate, total	113	mg/L
G306	Background	E005	05/01/2024	Temperature	13.7	degrees C
G306	Background	E005	05/01/2024	Thallium, total	0.001 U	mg/L
G306	Background	E005	05/01/2024	Total Dissolved Solids	515	mg/L
G306	Background	E005	05/01/2024	Turbidity, field	36.0	NTU
G301	Compliance	E005	05/06/2024	Antimony, total	0.00100 J	mg/L
G301	Compliance	E005	05/06/2024	Arsenic, total	0.0004 U	mg/L
G301	Compliance	E005	05/06/2024	Barium, total	0.0127	mg/L
G301	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G301	Compliance	E005	05/06/2024	Boron, total	2.06	mg/L
G301	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E005	05/06/2024	Calcium, total	110	mg/L
G301	Compliance	E005	05/06/2024	Chloride, total	12.0	mg/L
G301	Compliance	E005	05/06/2024	Chromium, total	0.0015 UJ	mg/L
G301	Compliance	E005	05/06/2024	Cobalt, total	0.00170	mg/L
G301	Compliance	E005	05/06/2024	Dissolved Oxygen	0.690	mg/L
G301	Compliance	E005	05/06/2024	Fluoride, total	0.280	mg/L
G301	Compliance	E005	05/06/2024	Lead, total	0.0006 U	mg/L
G301	Compliance	E005	05/06/2024	Lithium, total	0.00400	mg/L
G301	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G301	Compliance	E005	05/06/2024	Molybdenum, total	0.0008 U	mg/L
G301	Compliance	E005	05/06/2024	Oxidation Reduction Potential	-40.0	mV
G301	Compliance	E005	05/06/2024	pH (field)	6.3	SU
G301	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.0973	pCi/L
G301	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G301	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	1,070	micromhos/cm
G301	Compliance	E005	05/06/2024	Sulfate, total	505	mg/L
G301	Compliance	E005	05/06/2024	Temperature	14.3	degrees C
G301	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G301	Compliance	E005	05/06/2024	Total Dissolved Solids	902	mg/L
G301	Compliance	E005	05/06/2024	Turbidity, field	3.60	NTU
G302	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G302	Compliance	E005	05/06/2024	Arsenic, total	0.0009 J	mg/L
G302	Compliance	E005	05/06/2024	Barium, total	0.0300	mg/L
G302	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G302	Compliance	E005	05/06/2024	Boron, total	2.24	mg/L
G302	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E005	05/06/2024	Calcium, total	206	mg/L
G302	Compliance	E005	05/06/2024	Chloride, total	23.0	mg/L
G302	Compliance	E005	05/06/2024	Chromium, total	0.0015 UJ	mg/L
G302	Compliance	E005	05/06/2024	Cobalt, total	0.00320	mg/L
G302	Compliance	E005	05/06/2024	Dissolved Oxygen	0.860	mg/L
G302	Compliance	E005	05/06/2024	Fluoride, total	0.260	mg/L
G302	Compliance	E005	05/06/2024	Lead, total	0.00110	mg/L
G302	Compliance	E005	05/06/2024	Lithium, total	0.0114	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G302	Compliance	E005	05/06/2024	Molybdenum, total	0.0011 J	mg/L
G302	Compliance	E005	05/06/2024	Oxidation Reduction Potential	-74.0	mV
G302	Compliance	E005	05/06/2024	pH (field)	6.5	SU
G302	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.691	pCi/L
G302	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G302	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	1,580	micromhos/cm
G302	Compliance	E005	05/06/2024	Sulfate, total	668	mg/L
G302	Compliance	E005	05/06/2024	Temperature	13.9	degrees C
G302	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G302	Compliance	E005	05/06/2024	Total Dissolved Solids	1,370	mg/L
G302	Compliance	E005	05/06/2024	Turbidity, field	3.20	NTU
G303	Compliance	E005	05/01/2024	Antimony, total	0.0005 U	mg/L
G303	Compliance	E005	05/01/2024	Arsenic, total	0.00180	mg/L
G303	Compliance	E005	05/01/2024	Barium, total	0.0172	mg/L
G303	Compliance	E005	05/01/2024	Beryllium, total	0.0002 U	mg/L
G303	Compliance	E005	05/01/2024	Boron, total	2.50	mg/L
G303	Compliance	E005	05/01/2024	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E005	05/01/2024	Calcium, total	168	mg/L
G303	Compliance	E005	05/01/2024	Chloride, total	28.0	mg/L
G303	Compliance	E005	05/01/2024	Chromium, total	0.0015 UJ	mg/L
G303	Compliance	E005	05/01/2024	Cobalt, total	0.00350	mg/L
G303	Compliance	E005	05/01/2024	Dissolved Oxygen	1.22	mg/L
G303	Compliance	E005	05/01/2024	Fluoride, total	0.310	mg/L
G303	Compliance	E005	05/01/2024	Lead, total	0.0006 U	mg/L
G303	Compliance	E005	05/01/2024	Lithium, total	0.0234	mg/L
G303	Compliance	E005	05/01/2024	Mercury, total	0.00017 J	mg/L
G303	Compliance	E005	05/01/2024	Molybdenum, total	0.00150 J	mg/L
G303	Compliance	E005	05/01/2024	Oxidation Reduction Potential	-27.0	mV
G303	Compliance	E005	05/01/2024	pH (field)	6.7	SU
G303	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	0.482	pCi/L
G303	Compliance	E005	05/01/2024	Selenium, total	0.0006 U	mg/L
G303	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,860	micromhos/cm
G303	Compliance	E005	05/01/2024	Sulfate, total	601	mg/L
G303	Compliance	E005	05/01/2024	Temperature	14.4	degrees C
G303	Compliance	E005	05/01/2024	Thallium, total	0.001 U	mg/L
G303	Compliance	E005	05/01/2024	Total Dissolved Solids	1,660	mg/L
G303	Compliance	E005	05/01/2024	Turbidity, field	71.0	NTU
G305	Compliance	E005	05/01/2024	Antimony, total	0.0005 U	mg/L
G305	Compliance	E005	05/01/2024	Arsenic, total	0.0004 U	mg/L
G305	Compliance	E005	05/01/2024	Barium, total	0.0240	mg/L
G305	Compliance	E005	05/01/2024	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E005	05/01/2024	Boron, total	2.22	mg/L
G305	Compliance	E005	05/01/2024	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E005	05/01/2024	Calcium, total	189	mg/L
G305	Compliance	E005	05/01/2024	Chloride, total	23.0	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E005	05/01/2024	Chromium, total	0.0015 UJ	mg/L
G305	Compliance	E005	05/01/2024	Cobalt, total	0.0004 J	mg/L
G305	Compliance	E005	05/01/2024	Dissolved Oxygen	1.22	mg/L
G305	Compliance	E005	05/01/2024	Fluoride, total	0.480	mg/L
G305	Compliance	E005	05/01/2024	Lead, total	0.0006 U	mg/L
G305	Compliance	E005	05/01/2024	Lithium, total	0.00650	mg/L
G305	Compliance	E005	05/01/2024	Mercury, total	0.0001 J	mg/L
G305	Compliance	E005	05/01/2024	Molybdenum, total	0.0008 J	mg/L
G305	Compliance	E005	05/01/2024	Oxidation Reduction Potential	56.0	mV
G305	Compliance	E005	05/01/2024	pH (field)	7.1	SU
G305	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	0.612	pCi/L
G305	Compliance	E005	05/01/2024	Selenium, total	0.0006 U	mg/L
G305	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,620	micromhos/cm
G305	Compliance	E005	05/01/2024	Sulfate, total	791	mg/L
G305	Compliance	E005	05/01/2024	Temperature	14.6	degrees C
G305	Compliance	E005	05/01/2024	Thallium, total	0.001 U	mg/L
G305	Compliance	E005	05/01/2024	Total Dissolved Solids	1,410	mg/L
G305	Compliance	E005	05/01/2024	Turbidity, field	11.0	NTU
G307	Compliance	E005	05/02/2024	Antimony, total	0.0006 U	mg/L
G307	Compliance	E005	05/02/2024	Arsenic, total	0.00250	mg/L
G307	Compliance	E005	05/02/2024	Barium, total	0.0812	mg/L
G307	Compliance	E005	05/02/2024	Beryllium, total	0.0004 J	mg/L
G307	Compliance	E005	05/02/2024	Boron, total	2.07	mg/L
G307	Compliance	E005	05/02/2024	Cadmium, total	0.0003 J	mg/L
G307	Compliance	E005	05/02/2024	Calcium, total	148	mg/L
G307	Compliance	E005	05/02/2024	Chloride, total	11.0	mg/L
G307	Compliance	E005	05/02/2024	Chromium, total	0.0121	mg/L
G307	Compliance	E005	05/02/2024	Cobalt, total	0.00470	mg/L
G307	Compliance	E005	05/02/2024	Dissolved Oxygen	2.14	mg/L
G307	Compliance	E005	05/02/2024	Fluoride, total	0.350	mg/L
G307	Compliance	E005	05/02/2024	Lead, total	0.00500	mg/L
G307	Compliance	E005	05/02/2024	Lithium, total	0.0111	mg/L
G307	Compliance	E005	05/02/2024	Mercury, total	0.000720 J	mg/L
G307	Compliance	E005	05/02/2024	Molybdenum, total	0.0013 J	mg/L
G307	Compliance	E005	05/02/2024	Oxidation Reduction Potential	6.00	mV
G307	Compliance	E005	05/02/2024	pH (field)	7.0	SU
G307	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	1.36	pCi/L
G307	Compliance	E005	05/02/2024	Selenium, total	0.0006 U	mg/L
G307	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,120	micromhos/cm
G307	Compliance	E005	05/02/2024	Sulfate, total	467	mg/L
G307	Compliance	E005	05/02/2024	Temperature	22.3	degrees C
G307	Compliance	E005	05/02/2024	Thallium, total	0.001 U	mg/L
G307	Compliance	E005	05/02/2024	Total Dissolved Solids	1,000	mg/L
G307	Compliance	E005	05/02/2024	Turbidity, field	75.0	NTU
G307D	Compliance	E005	05/02/2024	Antimony, total	0.0006 U	mg/L
G307D	Compliance	E005	05/02/2024	Arsenic, total	0.00170	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G307D	Compliance	E005	05/02/2024	Barium, total	0.0209	mg/L
G307D	Compliance	E005	05/02/2024	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E005	05/02/2024	Boron, total	1.75	mg/L
G307D	Compliance	E005	05/02/2024	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E005	05/02/2024	Calcium, total	144	mg/L
G307D	Compliance	E005	05/02/2024	Chloride, total	12.0	mg/L
G307D	Compliance	E005	05/02/2024	Chromium, total	0.0015 UJ	mg/L
G307D	Compliance	E005	05/02/2024	Cobalt, total	0.0003 J	mg/L
G307D	Compliance	E005	05/02/2024	Dissolved Oxygen	3.01	mg/L
G307D	Compliance	E005	05/02/2024	Fluoride, total	0.500	mg/L
G307D	Compliance	E005	05/02/2024	Lead, total	0.0006 U	mg/L
G307D	Compliance	E005	05/02/2024	Lithium, total	0.0014 U	mg/L
G307D	Compliance	E005	05/02/2024	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E005	05/02/2024	Molybdenum, total	0.00480	mg/L
G307D	Compliance	E005	05/02/2024	Oxidation Reduction Potential	-39.0	mV
G307D	Compliance	E005	05/02/2024	pH (field)	7.2	SU
G307D	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	0.374	pCi/L
G307D	Compliance	E005	05/02/2024	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,200	micromhos/cm
G307D	Compliance	E005	05/02/2024	Sulfate, total	590	mg/L
G307D	Compliance	E005	05/02/2024	Temperature	16.8	degrees C
G307D	Compliance	E005	05/02/2024	Thallium, total	0.001 U	mg/L
G307D	Compliance	E005	05/02/2024	Total Dissolved Solids	1,000	mg/L
G307D	Compliance	E005	05/02/2024	Turbidity, field	30.0	NTU
G308	Compliance	E005	05/02/2024	Antimony, total	0.0006 U	mg/L
G308	Compliance	E005	05/02/2024	Arsenic, total	0.0004 U	mg/L
G308	Compliance	E005	05/02/2024	Barium, total	0.0167	mg/L
G308	Compliance	E005	05/02/2024	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E005	05/02/2024	Boron, total	2.39	mg/L
G308	Compliance	E005	05/02/2024	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E005	05/02/2024	Calcium, total	185	mg/L
G308	Compliance	E005	05/02/2024	Chloride, total	10.0	mg/L
G308	Compliance	E005	05/02/2024	Chromium, total	0.0015 UJ	mg/L
G308	Compliance	E005	05/02/2024	Cobalt, total	0.0003 J	mg/L
G308	Compliance	E005	05/02/2024	Dissolved Oxygen	0.710	mg/L
G308	Compliance	E005	05/02/2024	Fluoride, total	0.570	mg/L
G308	Compliance	E005	05/02/2024	Lead, total	0.0006 U	mg/L
G308	Compliance	E005	05/02/2024	Lithium, total	0.00570	mg/L
G308	Compliance	E005	05/02/2024	Mercury, total	0.00006 U	mg/L
G308	Compliance	E005	05/02/2024	Molybdenum, total	0.0011 J	mg/L
G308	Compliance	E005	05/02/2024	Oxidation Reduction Potential	56.0	mV
G308	Compliance	E005	05/02/2024	pH (field)	7.1	SU
G308	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	0.718	pCi/L
G308	Compliance	E005	05/02/2024	Selenium, total	0.0006 U	mg/L
G308	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,690	micromhos/cm
G308	Compliance	E005	05/02/2024	Sulfate, total	921	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E005	05/02/2024	Temperature	14.1	degrees C
G308	Compliance	E005	05/02/2024	Thallium, total	0.001 U	mg/L
G308	Compliance	E005	05/02/2024	Total Dissolved Solids	1,490	mg/L
G308	Compliance	E005	05/02/2024	Turbidity, field	2.40	NTU
G310	Compliance	E005	05/03/2024	Antimony, total	0.0006 U	mg/L
G310	Compliance	E005	05/03/2024	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E005	05/03/2024	Barium, total	0.0130	mg/L
G310	Compliance	E005	05/03/2024	Beryllium, total	0.0002 U	mg/L
G310	Compliance	E005	05/03/2024	Boron, total	1.76	mg/L
G310	Compliance	E005	05/03/2024	Cadmium, total	0.0002 U	mg/L
G310	Compliance	E005	05/03/2024	Calcium, total	143	mg/L
G310	Compliance	E005	05/03/2024	Chloride, total	11.0	mg/L
G310	Compliance	E005	05/03/2024	Chromium, total	0.0015 UJ	mg/L
G310	Compliance	E005	05/03/2024	Cobalt, total	0.00100	mg/L
G310	Compliance	E005	05/03/2024	Dissolved Oxygen	0.690	mg/L
G310	Compliance	E005	05/03/2024	Fluoride, total	0.310	mg/L
G310	Compliance	E005	05/03/2024	Lead, total	0.0006 U	mg/L
G310	Compliance	E005	05/03/2024	Lithium, total	0.00560	mg/L
G310	Compliance	E005	05/03/2024	Mercury, total	0.000340	mg/L
G310	Compliance	E005	05/03/2024	Molybdenum, total	0.0007 U	mg/L
G310	Compliance	E005	05/03/2024	Oxidation Reduction Potential	32.0	mV
G310	Compliance	E005	05/03/2024	pH (field)	6.7	SU
G310	Compliance	E005	05/03/2024	Radium 226 + Radium 228, total	0.47	pCi/L
G310	Compliance	E005	05/03/2024	Selenium, total	0.0006 U	mg/L
G310	Compliance	E005	05/03/2024	Specific Conductance @ 25C (field)	1,200	micromhos/cm
G310	Compliance	E005	05/03/2024	Sulfate, total	568	mg/L
G310	Compliance	E005	05/03/2024	Temperature	13.4	degrees C
G310	Compliance	E005	05/03/2024	Thallium, total	0.001 U	mg/L
G310	Compliance	E005	05/03/2024	Total Dissolved Solids	950	mg/L
G310	Compliance	E005	05/03/2024	Turbidity, field	2.00	NTU
G312	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G312	Compliance	E005	05/06/2024	Arsenic, total	0.0004 J	mg/L
G312	Compliance	E005	05/06/2024	Barium, total	0.0240	mg/L
G312	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G312	Compliance	E005	05/06/2024	Boron, total	3.93	mg/L
G312	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G312	Compliance	E005	05/06/2024	Calcium, total	253	mg/L
G312	Compliance	E005	05/06/2024	Chloride, total	29.0	mg/L
G312	Compliance	E005	05/06/2024	Chromium, total	0.0015 UJ	mg/L
G312	Compliance	E005	05/06/2024	Cobalt, total	0.00270	mg/L
G312	Compliance	E005	05/06/2024	Dissolved Oxygen	0.690	mg/L
G312	Compliance	E005	05/06/2024	Fluoride, total	0.210	mg/L
G312	Compliance	E005	05/06/2024	Lead, total	0.0006 U	mg/L
G312	Compliance	E005	05/06/2024	Lithium, total	0.0191	mg/L
G312	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G312	Compliance	E005	05/06/2024	Molybdenum, total	0.0008 U	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G312	Compliance	E005	05/06/2024	Oxidation Reduction Potential	35.0	mV
G312	Compliance	E005	05/06/2024	pH (field)	6.2	SU
G312	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.343	pCi/L
G312	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G312	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	2,160	micromhos/cm
G312	Compliance	E005	05/06/2024	Sulfate, total	1,040	mg/L
G312	Compliance	E005	05/06/2024	Temperature	13.8	degrees C
G312	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G312	Compliance	E005	05/06/2024	Total Dissolved Solids	2,180	mg/L
G312	Compliance	E005	05/06/2024	Turbidity, field	3.60	NTU
G313	Compliance	E005	05/01/2024	Antimony, total	0.0005 U	mg/L
G313	Compliance	E005	05/01/2024	Arsenic, total	0.0004 J	mg/L
G313	Compliance	E005	05/01/2024	Barium, total	0.0180	mg/L
G313	Compliance	E005	05/01/2024	Beryllium, total	0.0002 U	mg/L
G313	Compliance	E005	05/01/2024	Boron, total	3.59	mg/L
G313	Compliance	E005	05/01/2024	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E005	05/01/2024	Calcium, total	208	mg/L
G313	Compliance	E005	05/01/2024	Chloride, total	20.0	mg/L
G313	Compliance	E005	05/01/2024	Chromium, total	0.0015 UJ	mg/L
G313	Compliance	E005	05/01/2024	Cobalt, total	0.0007 J	mg/L
G313	Compliance	E005	05/01/2024	Dissolved Oxygen	0.690	mg/L
G313	Compliance	E005	05/01/2024	Fluoride, total	0.290	mg/L
G313	Compliance	E005	05/01/2024	Lead, total	0.0006 U	mg/L
G313	Compliance	E005	05/01/2024	Lithium, total	0.0192	mg/L
G313	Compliance	E005	05/01/2024	Mercury, total	0.00006 UJ	mg/L
G313	Compliance	E005	05/01/2024	Molybdenum, total	0.0011 J	mg/L
G313	Compliance	E005	05/01/2024	Oxidation Reduction Potential	51.0	mV
G313	Compliance	E005	05/01/2024	pH (field)	6.8	SU
G313	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	0.0924	pCi/L
G313	Compliance	E005	05/01/2024	Selenium, total	0.0006 U	mg/L
G313	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,720	micromhos/cm
G313	Compliance	E005	05/01/2024	Sulfate, total	662	mg/L
G313	Compliance	E005	05/01/2024	Temperature	14.1	degrees C
G313	Compliance	E005	05/01/2024	Thallium, total	0.001 U	mg/L
G313	Compliance	E005	05/01/2024	Total Dissolved Solids	1,450	mg/L
G313	Compliance	E005	05/01/2024	Turbidity, field	32.0	NTU
G314	Compliance	E005	04/30/2024	Antimony, total	0.0004 U	mg/L
G314	Compliance	E005	04/30/2024	Arsenic, total	0.0006 J	mg/L
G314	Compliance	E005	04/30/2024	Barium, total	0.0152	mg/L
G314	Compliance	E005	04/30/2024	Beryllium, total	0.0002 U	mg/L
G314	Compliance	E005	04/30/2024	Boron, total	0.133	mg/L
G314	Compliance	E005	04/30/2024	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E005	04/30/2024	Calcium, total	572	mg/L
G314	Compliance	E005	04/30/2024	Chloride, total	32.0	mg/L
G314	Compliance	E005	04/30/2024	Chromium, total	0.00600 J+	mg/L
G314	Compliance	E005	04/30/2024	Cobalt, total	0.00210	mg/L

TABLE 1.
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COFFEEN POWER PLANT
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314	Compliance	E005	04/30/2024	Dissolved Oxygen	0.610	mg/L
G314	Compliance	E005	04/30/2024	Fluoride, total	0.230	mg/L
G314	Compliance	E005	04/30/2024	Lead, total	0.0006 U	mg/L
G314	Compliance	E005	04/30/2024	Lithium, total	0.00530	mg/L
G314	Compliance	E005	04/30/2024	Mercury, total	0.00006 UJ	mg/L
G314	Compliance	E005	04/30/2024	Molybdenum, total	0.00160	mg/L
G314	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-6.00	mV
G314	Compliance	E005	04/30/2024	pH (field)	6.6	SU
G314	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.664	pCi/L
G314	Compliance	E005	04/30/2024	Selenium, total	0.0006 U	mg/L
G314	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	3,480	micromhos/cm
G314	Compliance	E005	04/30/2024	Sulfate, total	2,210	mg/L
G314	Compliance	E005	04/30/2024	Temperature	13.7	degrees C
G314	Compliance	E005	04/30/2024	Thallium, total	0.001 U	mg/L
G314	Compliance	E005	04/30/2024	Total Dissolved Solids	4,200	mg/L
G314	Compliance	E005	04/30/2024	Turbidity, field	16.0	NTU
G314D	Compliance	E005	04/30/2024	Antimony, total	0.0004 U	mg/L
G314D	Compliance	E005	04/30/2024	Arsenic, total	0.0009 J	mg/L
G314D	Compliance	E005	04/30/2024	Barium, total	0.0281	mg/L
G314D	Compliance	E005	04/30/2024	Beryllium, total	0.0002 U	mg/L
G314D	Compliance	E005	04/30/2024	Boron, total	0.213	mg/L
G314D	Compliance	E005	04/30/2024	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E005	04/30/2024	Calcium, total	248	mg/L
G314D	Compliance	E005	04/30/2024	Chloride, total	57.0	mg/L
G314D	Compliance	E005	04/30/2024	Chromium, total	0.0015 UJ	mg/L
G314D	Compliance	E005	04/30/2024	Cobalt, total	0.0006 J	mg/L
G314D	Compliance	E005	04/30/2024	Dissolved Oxygen	0.560	mg/L
G314D	Compliance	E005	04/30/2024	Fluoride, total	0.590	mg/L
G314D	Compliance	E005	04/30/2024	Lead, total	0.0006 U	mg/L
G314D	Compliance	E005	04/30/2024	Lithium, total	0.0130	mg/L
G314D	Compliance	E005	04/30/2024	Mercury, total	0.00006 U	mg/L
G314D	Compliance	E005	04/30/2024	Molybdenum, total	0.00420	mg/L
G314D	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-37.0	mV
G314D	Compliance	E005	04/30/2024	pH (field)	7.0	SU
G314D	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.884	pCi/L
G314D	Compliance	E005	04/30/2024	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	2,720	micromhos/cm
G314D	Compliance	E005	04/30/2024	Sulfate, total	1,110	mg/L
G314D	Compliance	E005	04/30/2024	Temperature	14.6	degrees C
G314D	Compliance	E005	04/30/2024	Thallium, total	0.001 U	mg/L
G314D	Compliance	E005	04/30/2024	Total Dissolved Solids	2,360	mg/L
G314D	Compliance	E005	04/30/2024	Turbidity, field	180	NTU
G315	Compliance	E005	05/02/2024	Antimony, total	0.0006 U	mg/L
G315	Compliance	E005	05/02/2024	Arsenic, total	0.0004 U	mg/L
G315	Compliance	E005	05/02/2024	Barium, total	0.0147	mg/L
G315	Compliance	E005	05/02/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G315	Compliance	E005	05/02/2024	Boron, total	1.28	mg/L
G315	Compliance	E005	05/02/2024	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E005	05/02/2024	Calcium, total	125	mg/L
G315	Compliance	E005	05/02/2024	Chloride, total	11.0	mg/L
G315	Compliance	E005	05/02/2024	Chromium, total	0.0015 UJ	mg/L
G315	Compliance	E005	05/02/2024	Cobalt, total	0.0004 J	mg/L
G315	Compliance	E005	05/02/2024	Dissolved Oxygen	0.800	mg/L
G315	Compliance	E005	05/02/2024	Fluoride, total	0.280	mg/L
G315	Compliance	E005	05/02/2024	Lead, total	0.0006 U	mg/L
G315	Compliance	E005	05/02/2024	Lithium, total	0.00460	mg/L
G315	Compliance	E005	05/02/2024	Mercury, total	0.00006 U	mg/L
G315	Compliance	E005	05/02/2024	Molybdenum, total	0.0008 J	mg/L
G315	Compliance	E005	05/02/2024	Oxidation Reduction Potential	15.0	mV
G315	Compliance	E005	05/02/2024	pH (field)	6.8	SU
G315	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	0.0924	pCi/L
G315	Compliance	E005	05/02/2024	Selenium, total	0.0006 U	mg/L
G315	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,170	micromhos/cm
G315	Compliance	E005	05/02/2024	Sulfate, total	473	mg/L
G315	Compliance	E005	05/02/2024	Temperature	14.3	degrees C
G315	Compliance	E005	05/02/2024	Thallium, total	0.001 U	mg/L
G315	Compliance	E005	05/02/2024	Total Dissolved Solids	956	mg/L
G315	Compliance	E005	05/02/2024	Turbidity, field	2.00	NTU
G316	Compliance	E005	04/30/2024	Antimony, total	0.0004 U	mg/L
G316	Compliance	E005	04/30/2024	Arsenic, total	0.00790	mg/L
G316	Compliance	E005	04/30/2024	Barium, total	0.0662	mg/L
G316	Compliance	E005	04/30/2024	Beryllium, total	0.0002 U	mg/L
G316	Compliance	E005	04/30/2024	Boron, total	0.367	mg/L
G316	Compliance	E005	04/30/2024	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E005	04/30/2024	Calcium, total	188	mg/L
G316	Compliance	E005	04/30/2024	Chloride, total	24.0	mg/L
G316	Compliance	E005	04/30/2024	Chromium, total	0.0015 UJ	mg/L
G316	Compliance	E005	04/30/2024	Cobalt, total	0.00290	mg/L
G316	Compliance	E005	04/30/2024	Dissolved Oxygen	0.650	mg/L
G316	Compliance	E005	04/30/2024	Fluoride, total	0.250	mg/L
G316	Compliance	E005	04/30/2024	Lead, total	0.0006 U	mg/L
G316	Compliance	E005	04/30/2024	Lithium, total	0.0016 J	mg/L
G316	Compliance	E005	04/30/2024	Mercury, total	0.00007 J	mg/L
G316	Compliance	E005	04/30/2024	Molybdenum, total	0.00400	mg/L
G316	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-82.0	mV
G316	Compliance	E005	04/30/2024	pH (field)	6.8	SU
G316	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	1.06	pCi/L
G316	Compliance	E005	04/30/2024	Selenium, total	0.0006 U	mg/L
G316	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	1,900	micromhos/cm
G316	Compliance	E005	04/30/2024	Sulfate, total	690	mg/L
G316	Compliance	E005	04/30/2024	Temperature	12.4	degrees C
G316	Compliance	E005	04/30/2024	Thallium, total	0.001 U	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
G316	Compliance	E005	04/30/2024	Total Dissolved Solids	1,670	mg/L
G316	Compliance	E005	04/30/2024	Turbidity, field	7.80	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
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E006	07/30/2024	Antimony, total	0.0004 U	mg/L
G281	Background	E006	07/30/2024	Arsenic, total	0.00120	mg/L
G281	Background	E006	07/30/2024	Barium, total	0.0848	mg/L
G281	Background	E006	07/30/2024	Beryllium, total	0.0002 U	mg/L
G281	Background	E006	07/30/2024	Boron, total	0.0092 U	mg/L
G281	Background	E006	07/30/2024	Cadmium, total	0.0002 U	mg/L
G281	Background	E006	07/30/2024	Calcium, total	163	mg/L
G281	Background	E006	07/30/2024	Chloride, total	76.0	mg/L
G281	Background	E006	07/30/2024	Chromium, total	0.00360	mg/L
G281	Background	E006	07/30/2024	Cobalt, total	0.0008 J	mg/L
G281	Background	E006	07/30/2024	Dissolved Oxygen	1.14	mg/L
G281	Background	E006	07/30/2024	Fluoride, total	0.28 J	mg/L
G281	Background	E006	07/30/2024	Lead, total	0.00110	mg/L
G281	Background	E006	07/30/2024	Lithium, total	0.00700	mg/L
G281	Background	E006	07/30/2024	Mercury, total	0.00006 U	mg/L
G281	Background	E006	07/30/2024	Molybdenum, total	0.001 J	mg/L
G281	Background	E006	07/30/2024	Oxidation Reduction Potential	76.0	mV
G281	Background	E006	07/30/2024	pH (field)	7.0	SU
G281	Background	E006	07/30/2024	Radium 226 + Radium 228, total	0.667	pCi/L
G281	Background	E006	07/30/2024	Selenium, total	0.0006 U	mg/L
G281	Background	E006	07/30/2024	Specific Conductance @ 25C (field)	1,350	micromhos/cm
G281	Background	E006	07/30/2024	Sulfate, total	314	mg/L
G281	Background	E006	07/30/2024	Temperature	19.4	degrees C
G281	Background	E006	07/30/2024	Thallium, total	0.0011 J	mg/L
G281	Background	E006	07/30/2024	Total Dissolved Solids	996	mg/L
G281	Background	E006	07/30/2024	Turbidity, field	38.0	NTU
G306	Background	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G306	Background	E006	08/01/2024	Arsenic, total	0.0006 J	mg/L
G306	Background	E006	08/01/2024	Barium, total	0.0383	mg/L
G306	Background	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G306	Background	E006	08/01/2024	Boron, total	1.91	mg/L
G306	Background	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G306	Background	E006	08/01/2024	Calcium, total	92.0	mg/L
G306	Background	E006	08/01/2024	Chloride, total	3 J	mg/L
G306	Background	E006	08/01/2024	Chromium, total	0.00290	mg/L
G306	Background	E006	08/01/2024	Cobalt, total	0.0005 J	mg/L
G306	Background	E006	08/01/2024	Dissolved Oxygen	0.760	mg/L
G306	Background	E006	08/01/2024	Fluoride, total	0.14 J	mg/L
G306	Background	E006	08/01/2024	Lead, total	0.0007 J	mg/L
G306	Background	E006	08/01/2024	Lithium, total	0.00480	mg/L
G306	Background	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G306	Background	E006	08/01/2024	Molybdenum, total	0.0008 J	mg/L
G306	Background	E006	08/01/2024	Oxidation Reduction Potential	94.0	mV
G306	Background	E006	08/01/2024	pH (field)	6.3	SU
G306	Background	E006	08/01/2024	Radium 226 + Radium 228, total	0.204	pCi/L
G306	Background	E006	08/01/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G306	Background	E006	08/01/2024	Specific Conductance @ 25C (field)	624	micromhos/cm
G306	Background	E006	08/01/2024	Sulfate, total	138	mg/L
G306	Background	E006	08/01/2024	Temperature	16.5	degrees C
G306	Background	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G306	Background	E006	08/01/2024	Total Dissolved Solids	500	mg/L
G306	Background	E006	08/01/2024	Turbidity, field	210	NTU
G301	Compliance	E006	08/05/2024	Antimony, total	0.0004 U	mg/L
G301	Compliance	E006	08/05/2024	Arsenic, total	0.0004 U	mg/L
G301	Compliance	E006	08/05/2024	Barium, total	0.0136	mg/L
G301	Compliance	E006	08/05/2024	Beryllium, total	0.0002 U	mg/L
G301	Compliance	E006	08/05/2024	Boron, total	2.17	mg/L
G301	Compliance	E006	08/05/2024	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E006	08/05/2024	Calcium, total	104	mg/L
G301	Compliance	E006	08/05/2024	Chloride, total	11.0	mg/L
G301	Compliance	E006	08/05/2024	Chromium, total	0.0008 J	mg/L
G301	Compliance	E006	08/05/2024	Cobalt, total	0.00120	mg/L
G301	Compliance	E006	08/05/2024	Dissolved Oxygen	0.280	mg/L
G301	Compliance	E006	08/05/2024	Fluoride, total	0.27 J	mg/L
G301	Compliance	E006	08/05/2024	Lead, total	0.0006 U	mg/L
G301	Compliance	E006	08/05/2024	Lithium, total	0.00430	mg/L
G301	Compliance	E006	08/05/2024	Mercury, total	0.00006 U	mg/L
G301	Compliance	E006	08/05/2024	Molybdenum, total	0.0006 U	mg/L
G301	Compliance	E006	08/05/2024	Oxidation Reduction Potential	-45.0	mV
G301	Compliance	E006	08/05/2024	pH (field)	6.5	SU
G301	Compliance	E006	08/05/2024	Radium 226 + Radium 228, total	0.76	pCi/L
G301	Compliance	E006	08/05/2024	Selenium, total	0.0006 U	mg/L
G301	Compliance	E006	08/05/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
G301	Compliance	E006	08/05/2024	Sulfate, total	463	mg/L
G301	Compliance	E006	08/05/2024	Temperature	18.9	degrees C
G301	Compliance	E006	08/05/2024	Thallium, total	0.001 U	mg/L
G301	Compliance	E006	08/05/2024	Total Dissolved Solids	882	mg/L
G301	Compliance	E006	08/05/2024	Turbidity, field	5.20	NTU
G302	Compliance	E006	08/05/2024	Antimony, total	0.0009 J	mg/L
G302	Compliance	E006	08/05/2024	Arsenic, total	0.00100	mg/L
G302	Compliance	E006	08/05/2024	Barium, total	0.0295	mg/L
G302	Compliance	E006	08/05/2024	Beryllium, total	0.0002 U	mg/L
G302	Compliance	E006	08/05/2024	Boron, total	2.09	mg/L
G302	Compliance	E006	08/05/2024	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E006	08/05/2024	Calcium, total	193	mg/L
G302	Compliance	E006	08/05/2024	Chloride, total	17.0	mg/L
G302	Compliance	E006	08/05/2024	Chromium, total	0.0007 U	mg/L
G302	Compliance	E006	08/05/2024	Cobalt, total	0.00150	mg/L
G302	Compliance	E006	08/05/2024	Dissolved Oxygen	0.500	mg/L
G302	Compliance	E006	08/05/2024	Fluoride, total	0.21 J	mg/L
G302	Compliance	E006	08/05/2024	Lead, total	0.0006 U	mg/L
G302	Compliance	E006	08/05/2024	Lithium, total	0.0136	mg/L

TABLE 1.
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E006	08/05/2024	Mercury, total	0.00006 U	mg/L
G302	Compliance	E006	08/05/2024	Molybdenum, total	0.001 J	mg/L
G302	Compliance	E006	08/05/2024	Oxidation Reduction Potential	-67.0	mV
G302	Compliance	E006	08/05/2024	pH (field)	6.6	SU
G302	Compliance	E006	08/05/2024	Radium 226 + Radium 228, total	0.523	pCi/L
G302	Compliance	E006	08/05/2024	Selenium, total	0.0006 U	mg/L
G302	Compliance	E006	08/05/2024	Specific Conductance @ 25C (field)	1,300	micromhos/cm
G302	Compliance	E006	08/05/2024	Sulfate, total	528	mg/L
G302	Compliance	E006	08/05/2024	Temperature	18.7	degrees C
G302	Compliance	E006	08/05/2024	Thallium, total	0.001 U	mg/L
G302	Compliance	E006	08/05/2024	Total Dissolved Solids	1,340	mg/L
G302	Compliance	E006	08/05/2024	Turbidity, field	14.0	NTU
G303	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G303	Compliance	E006	07/31/2024	Arsenic, total	0.00280	mg/L
G303	Compliance	E006	07/31/2024	Barium, total	0.0211	mg/L
G303	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G303	Compliance	E006	07/31/2024	Boron, total	2.66	mg/L
G303	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E006	07/31/2024	Calcium, total	189	mg/L
G303	Compliance	E006	07/31/2024	Chloride, total	28.0	mg/L
G303	Compliance	E006	07/31/2024	Chromium, total	0.00150 J	mg/L
G303	Compliance	E006	07/31/2024	Cobalt, total	0.00210	mg/L
G303	Compliance	E006	07/31/2024	Dissolved Oxygen	0.950	mg/L
G303	Compliance	E006	07/31/2024	Fluoride, total	0.24 J	mg/L
G303	Compliance	E006	07/31/2024	Lead, total	0.0007 J	mg/L
G303	Compliance	E006	07/31/2024	Lithium, total	0.0309	mg/L
G303	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G303	Compliance	E006	07/31/2024	Molybdenum, total	0.00220	mg/L
G303	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-37.0	mV
G303	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G303	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.494	pCi/L
G303	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G303	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,800	micromhos/cm
G303	Compliance	E006	07/31/2024	Sulfate, total	756	mg/L
G303	Compliance	E006	07/31/2024	Temperature	17.4	degrees C
G303	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G303	Compliance	E006	07/31/2024	Total Dissolved Solids	1,680	mg/L
G303	Compliance	E006	07/31/2024	Turbidity, field	60.0	NTU
G305	Compliance	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G305	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G305	Compliance	E006	08/01/2024	Barium, total	0.0223	mg/L
G305	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E006	08/01/2024	Boron, total	2.16	mg/L
G305	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E006	08/01/2024	Calcium, total	183	mg/L
G305	Compliance	E006	08/01/2024	Chloride, total	20.0	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E006	08/01/2024	Chromium, total	0.0007 U	mg/L
G305	Compliance	E006	08/01/2024	Cobalt, total	0.0001 U	mg/L
G305	Compliance	E006	08/01/2024	Dissolved Oxygen	0.800	mg/L
G305	Compliance	E006	08/01/2024	Fluoride, total	0.47 J	mg/L
G305	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G305	Compliance	E006	08/01/2024	Lithium, total	0.00630	mg/L
G305	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G305	Compliance	E006	08/01/2024	Molybdenum, total	0.0006 U	mg/L
G305	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-52.0	mV
G305	Compliance	E006	08/01/2024	pH (field)	7.1	SU
G305	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	0.142	pCi/L
G305	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G305	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,480	micromhos/cm
G305	Compliance	E006	08/01/2024	Sulfate, total	916	mg/L
G305	Compliance	E006	08/01/2024	Temperature	18.3	degrees C
G305	Compliance	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G305	Compliance	E006	08/01/2024	Total Dissolved Solids	1,480	mg/L
G305	Compliance	E006	08/01/2024	Turbidity, field	2.10	NTU
G307	Compliance	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G307	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G307	Compliance	E006	08/01/2024	Barium, total	0.0238	mg/L
G307	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G307	Compliance	E006	08/01/2024	Boron, total	2.13	mg/L
G307	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G307	Compliance	E006	08/01/2024	Calcium, total	151	mg/L
G307	Compliance	E006	08/01/2024	Chloride, total	11.0	mg/L
G307	Compliance	E006	08/01/2024	Chromium, total	0.0011 J	mg/L
G307	Compliance	E006	08/01/2024	Cobalt, total	0.00230	mg/L
G307	Compliance	E006	08/01/2024	Dissolved Oxygen	0.670	mg/L
G307	Compliance	E006	08/01/2024	Fluoride, total	0.35 J	mg/L
G307	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G307	Compliance	E006	08/01/2024	Lithium, total	0.00640	mg/L
G307	Compliance	E006	08/01/2024	Mercury, total	0.00012 J	mg/L
G307	Compliance	E006	08/01/2024	Molybdenum, total	0.0014 J	mg/L
G307	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-103	mV
G307	Compliance	E006	08/01/2024	pH (field)	7.0	SU
G307	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	1.25	pCi/L
G307	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G307	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,000	micromhos/cm
G307	Compliance	E006	08/01/2024	Sulfate, total	489	mg/L
G307	Compliance	E006	08/01/2024	Temperature	21.2	degrees C
G307	Compliance	E006	08/01/2024	Thallium, total	0.0018 J	mg/L
G307	Compliance	E006	08/01/2024	Total Dissolved Solids	918	mg/L
G307	Compliance	E006	08/01/2024	Turbidity, field	9.30	NTU
G307D	Compliance	E006	08/01/2024	Antimony, total	0.0008 J	mg/L
G307D	Compliance	E006	08/01/2024	Arsenic, total	0.00180	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G307D	Compliance	E006	08/01/2024	Barium, total	0.0183	mg/L
G307D	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E006	08/01/2024	Boron, total	1.77	mg/L
G307D	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E006	08/01/2024	Calcium, total	126	mg/L
G307D	Compliance	E006	08/01/2024	Chloride, total	12.0	mg/L
G307D	Compliance	E006	08/01/2024	Chromium, total	0.0007 U	mg/L
G307D	Compliance	E006	08/01/2024	Cobalt, total	0.0002 J	mg/L
G307D	Compliance	E006	08/01/2024	Dissolved Oxygen	2.32	mg/L
G307D	Compliance	E006	08/01/2024	Fluoride, total	0.47 J	mg/L
G307D	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G307D	Compliance	E006	08/01/2024	Lithium, total	0.0017 J	mg/L
G307D	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E006	08/01/2024	Molybdenum, total	0.00280	mg/L
G307D	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-56.0	mV
G307D	Compliance	E006	08/01/2024	pH (field)	7.1	SU
G307D	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	1.72	pCi/L
G307D	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,060	micromhos/cm
G307D	Compliance	E006	08/01/2024	Sulfate, total	571	mg/L
G307D	Compliance	E006	08/01/2024	Temperature	19.7	degrees C
G307D	Compliance	E006	08/01/2024	Thallium, total	0.0012 J	mg/L
G307D	Compliance	E006	08/01/2024	Total Dissolved Solids	954	mg/L
G307D	Compliance	E006	08/01/2024	Turbidity, field	30.0	NTU
G308	Compliance	E006	08/01/2024	Antimony, total	0.0005 J	mg/L
G308	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G308	Compliance	E006	08/01/2024	Barium, total	0.0165	mg/L
G308	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E006	08/01/2024	Boron, total	2.65	mg/L
G308	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E006	08/01/2024	Calcium, total	186	mg/L
G308	Compliance	E006	08/01/2024	Chloride, total	9.00	mg/L
G308	Compliance	E006	08/01/2024	Chromium, total	0.0008 J	mg/L
G308	Compliance	E006	08/01/2024	Cobalt, total	0.0002 J	mg/L
G308	Compliance	E006	08/01/2024	Dissolved Oxygen	0.310	mg/L
G308	Compliance	E006	08/01/2024	Fluoride, total	0.590	mg/L
G308	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G308	Compliance	E006	08/01/2024	Lithium, total	0.00680	mg/L
G308	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G308	Compliance	E006	08/01/2024	Molybdenum, total	0.00190	mg/L
G308	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-11.0	mV
G308	Compliance	E006	08/01/2024	pH (field)	7.0	SU
G308	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	1.18	pCi/L
G308	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G308	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,540	micromhos/cm
G308	Compliance	E006	08/01/2024	Sulfate, total	847	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E006	08/01/2024	Temperature	17.8	degrees C
G308	Compliance	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G308	Compliance	E006	08/01/2024	Total Dissolved Solids	1,510	mg/L
G308	Compliance	E006	08/01/2024	Turbidity, field	3.30	NTU
G310	Compliance	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G310	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E006	08/01/2024	Barium, total	0.0148	mg/L
G310	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G310	Compliance	E006	08/01/2024	Boron, total	1.94	mg/L
G310	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G310	Compliance	E006	08/01/2024	Calcium, total	152	mg/L
G310	Compliance	E006	08/01/2024	Chloride, total	12.0	mg/L
G310	Compliance	E006	08/01/2024	Chromium, total	0.0007 U	mg/L
G310	Compliance	E006	08/01/2024	Cobalt, total	0.00130	mg/L
G310	Compliance	E006	08/01/2024	Dissolved Oxygen	0.450	mg/L
G310	Compliance	E006	08/01/2024	Fluoride, total	0.28 J	mg/L
G310	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G310	Compliance	E006	08/01/2024	Lithium, total	0.00660	mg/L
G310	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G310	Compliance	E006	08/01/2024	Molybdenum, total	0.0006 U	mg/L
G310	Compliance	E006	08/01/2024	Oxidation Reduction Potential	40.0	mV
G310	Compliance	E006	08/01/2024	pH (field)	6.9	SU
G310	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	0.105	pCi/L
G310	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G310	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,180	micromhos/cm
G310	Compliance	E006	08/01/2024	Sulfate, total	579	mg/L
G310	Compliance	E006	08/01/2024	Temperature	18.4	degrees C
G310	Compliance	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G310	Compliance	E006	08/01/2024	Total Dissolved Solids	1,060	mg/L
G310	Compliance	E006	08/01/2024	Turbidity, field	3.40	NTU
G312	Compliance	E006	08/05/2024	Antimony, total	0.0005 J	mg/L
G312	Compliance	E006	08/05/2024	Arsenic, total	0.0005 J	mg/L
G312	Compliance	E006	08/05/2024	Barium, total	0.0265	mg/L
G312	Compliance	E006	08/05/2024	Beryllium, total	0.0002 U	mg/L
G312	Compliance	E006	08/05/2024	Boron, total	3.83	mg/L
G312	Compliance	E006	08/05/2024	Cadmium, total	0.0002 U	mg/L
G312	Compliance	E006	08/05/2024	Calcium, total	246	mg/L
G312	Compliance	E006	08/05/2024	Chloride, total	28.0	mg/L
G312	Compliance	E006	08/05/2024	Chromium, total	0.0007 U	mg/L
G312	Compliance	E006	08/05/2024	Cobalt, total	0.00290	mg/L
G312	Compliance	E006	08/05/2024	Dissolved Oxygen	0.850	mg/L
G312	Compliance	E006	08/05/2024	Fluoride, total	0.18 J	mg/L
G312	Compliance	E006	08/05/2024	Lead, total	0.0006 U	mg/L
G312	Compliance	E006	08/05/2024	Lithium, total	0.0188	mg/L
G312	Compliance	E006	08/05/2024	Mercury, total	0.00006 U	mg/L
G312	Compliance	E006	08/05/2024	Molybdenum, total	0.0006 J	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G312	Compliance	E006	08/05/2024	Oxidation Reduction Potential	22.0	mV
G312	Compliance	E006	08/05/2024	pH (field)	6.4	SU
G312	Compliance	E006	08/05/2024	Radium 226 + Radium 228, total	0.1	pCi/L
G312	Compliance	E006	08/05/2024	Selenium, total	0.0006 U	mg/L
G312	Compliance	E006	08/05/2024	Specific Conductance @ 25C (field)	1,770	micromhos/cm
G312	Compliance	E006	08/05/2024	Sulfate, total	897	mg/L
G312	Compliance	E006	08/05/2024	Temperature	18.0	degrees C
G312	Compliance	E006	08/05/2024	Thallium, total	0.001 U	mg/L
G312	Compliance	E006	08/05/2024	Total Dissolved Solids	2,010	mg/L
G312	Compliance	E006	08/05/2024	Turbidity, field	6.70	NTU
G313	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G313	Compliance	E006	07/31/2024	Arsenic, total	0.0004 J	mg/L
G313	Compliance	E006	07/31/2024	Barium, total	0.0187	mg/L
G313	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G313	Compliance	E006	07/31/2024	Boron, total	3.64	mg/L
G313	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E006	07/31/2024	Calcium, total	209	mg/L
G313	Compliance	E006	07/31/2024	Chloride, total	20.0	mg/L
G313	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G313	Compliance	E006	07/31/2024	Cobalt, total	0.0006 J	mg/L
G313	Compliance	E006	07/31/2024	Dissolved Oxygen	0.340	mg/L
G313	Compliance	E006	07/31/2024	Fluoride, total	0.27 J	mg/L
G313	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G313	Compliance	E006	07/31/2024	Lithium, total	0.0186	mg/L
G313	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G313	Compliance	E006	07/31/2024	Molybdenum, total	0.00150 J	mg/L
G313	Compliance	E006	07/31/2024	Oxidation Reduction Potential	33.0	mV
G313	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G313	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	1.43	pCi/L
G313	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G313	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,590	micromhos/cm
G313	Compliance	E006	07/31/2024	Sulfate, total	649	mg/L
G313	Compliance	E006	07/31/2024	Temperature	20.0	degrees C
G313	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G313	Compliance	E006	07/31/2024	Total Dissolved Solids	1,500	mg/L
G313	Compliance	E006	07/31/2024	Turbidity, field	9.40	NTU
G314	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G314	Compliance	E006	07/31/2024	Arsenic, total	0.0007 J	mg/L
G314	Compliance	E006	07/31/2024	Barium, total	0.0190	mg/L
G314	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G314	Compliance	E006	07/31/2024	Boron, total	0.145	mg/L
G314	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E006	07/31/2024	Calcium, total	680	mg/L
G314	Compliance	E006	07/31/2024	Chloride, total	33.0	mg/L
G314	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G314	Compliance	E006	07/31/2024	Cobalt, total	0.00410	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314	Compliance	E006	07/31/2024	Dissolved Oxygen	0.290	mg/L
G314	Compliance	E006	07/31/2024	Fluoride, total	0.18 J	mg/L
G314	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G314	Compliance	E006	07/31/2024	Lithium, total	0.00520	mg/L
G314	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G314	Compliance	E006	07/31/2024	Molybdenum, total	0.0011 J	mg/L
G314	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-33.0	mV
G314	Compliance	E006	07/31/2024	pH (field)	6.4	SU
G314	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	1.2	pCi/L
G314	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G314	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	3,280	micromhos/cm
G314	Compliance	E006	07/31/2024	Sulfate, total	2,050	mg/L
G314	Compliance	E006	07/31/2024	Temperature	18.2	degrees C
G314	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G314	Compliance	E006	07/31/2024	Total Dissolved Solids	3,350	mg/L
G314	Compliance	E006	07/31/2024	Turbidity, field	36.0	NTU
G314D	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G314D	Compliance	E006	07/31/2024	Arsenic, total	0.00800	mg/L
G314D	Compliance	E006	07/31/2024	Barium, total	0.0330	mg/L
G314D	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G314D	Compliance	E006	07/31/2024	Boron, total	0.198	mg/L
G314D	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E006	07/31/2024	Calcium, total	307	mg/L
G314D	Compliance	E006	07/31/2024	Chloride, total	60.0	mg/L
G314D	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G314D	Compliance	E006	07/31/2024	Cobalt, total	0.00330	mg/L
G314D	Compliance	E006	07/31/2024	Dissolved Oxygen	0.250	mg/L
G314D	Compliance	E006	07/31/2024	Fluoride, total	0.570	mg/L
G314D	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G314D	Compliance	E006	07/31/2024	Lithium, total	0.0110	mg/L
G314D	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G314D	Compliance	E006	07/31/2024	Molybdenum, total	0.00400	mg/L
G314D	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-62.0	mV
G314D	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G314D	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.885	pCi/L
G314D	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	2,550	micromhos/cm
G314D	Compliance	E006	07/31/2024	Sulfate, total	1,180	mg/L
G314D	Compliance	E006	07/31/2024	Temperature	18.1	degrees C
G314D	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G314D	Compliance	E006	07/31/2024	Total Dissolved Solids	2,510	mg/L
G314D	Compliance	E006	07/31/2024	Turbidity, field	200	NTU
G315	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G315	Compliance	E006	07/31/2024	Arsenic, total	0.0004 U	mg/L
G315	Compliance	E006	07/31/2024	Barium, total	0.0191	mg/L
G315	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G315	Compliance	E006	07/31/2024	Boron, total	1.44	mg/L
G315	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E006	07/31/2024	Calcium, total	141	mg/L
G315	Compliance	E006	07/31/2024	Chloride, total	13.0	mg/L
G315	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G315	Compliance	E006	07/31/2024	Cobalt, total	0.0007 J	mg/L
G315	Compliance	E006	07/31/2024	Dissolved Oxygen	0.360	mg/L
G315	Compliance	E006	07/31/2024	Fluoride, total	0.28 J	mg/L
G315	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G315	Compliance	E006	07/31/2024	Lithium, total	0.00480	mg/L
G315	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G315	Compliance	E006	07/31/2024	Molybdenum, total	0.0006 J	mg/L
G315	Compliance	E006	07/31/2024	Oxidation Reduction Potential	43.0	mV
G315	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G315	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.742	pCi/L
G315	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G315	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,120	micromhos/cm
G315	Compliance	E006	07/31/2024	Sulfate, total	513	mg/L
G315	Compliance	E006	07/31/2024	Temperature	18.7	degrees C
G315	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G315	Compliance	E006	07/31/2024	Total Dissolved Solids	1,650	mg/L
G315	Compliance	E006	07/31/2024	Turbidity, field	10.0	NTU
G316	Compliance	E006	07/31/2024	Antimony, total	0.00260	mg/L
G316	Compliance	E006	07/31/2024	Arsenic, total	0.00930	mg/L
G316	Compliance	E006	07/31/2024	Barium, total	0.0721	mg/L
G316	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G316	Compliance	E006	07/31/2024	Boron, total	0.450	mg/L
G316	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E006	07/31/2024	Calcium, total	212	mg/L
G316	Compliance	E006	07/31/2024	Chloride, total	26.0	mg/L
G316	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G316	Compliance	E006	07/31/2024	Cobalt, total	0.00210	mg/L
G316	Compliance	E006	07/31/2024	Dissolved Oxygen	0.360	mg/L
G316	Compliance	E006	07/31/2024	Fluoride, total	0.27 J	mg/L
G316	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G316	Compliance	E006	07/31/2024	Lithium, total	0.0018 J	mg/L
G316	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G316	Compliance	E006	07/31/2024	Molybdenum, total	0.00490	mg/L
G316	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-106	mV
G316	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G316	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.192	pCi/L
G316	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G316	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,740	micromhos/cm
G316	Compliance	E006	07/31/2024	Sulfate, total	696	mg/L
G316	Compliance	E006	07/31/2024	Temperature	17.3	degrees C
G316	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G316	Compliance	E006	07/31/2024	Total Dissolved Solids	1,050	mg/L
G316	Compliance	E006	07/31/2024	Turbidity, field	6.80	NTU

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

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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COFFEEN POWER PLANT
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E007	10/30/2024	Antimony, total	0.0004 U	mg/L
G281	Background	E007	10/30/2024	Arsenic, total	0.0005 J	mg/L
G281	Background	E007	10/30/2024	Barium, total	0.0687	mg/L
G281	Background	E007	10/30/2024	Beryllium, total	0.0002 U	mg/L
G281	Background	E007	10/30/2024	Boron, total	0.0092 U	mg/L
G281	Background	E007	10/30/2024	Cadmium, total	0.0002 U	mg/L
G281	Background	E007	10/30/2024	Calcium, total	142	mg/L
G281	Background	E007	10/30/2024	Chloride, total	55.9	mg/L
G281	Background	E007	10/30/2024	Chromium, total	0.0007 U	mg/L
G281	Background	E007	10/30/2024	Cobalt, total	0.0006 J	mg/L
G281	Background	E007	10/30/2024	Dissolved Oxygen	1.07	mg/L
G281	Background	E007	10/30/2024	Fluoride, total	0.2 U	mg/L
G281	Background	E007	10/30/2024	Lead, total	0.0006 U	mg/L
G281	Background	E007	10/30/2024	Lithium, total	0.00490	mg/L
G281	Background	E007	10/30/2024	Mercury, total	0.00006 U	mg/L
G281	Background	E007	10/30/2024	Molybdenum, total	0.0011 J	mg/L
G281	Background	E007	10/30/2024	Oxidation Reduction Potential	-14.0	mV
G281	Background	E007	10/30/2024	pH (field)	7.0	SU
G281	Background	E007	10/30/2024	Radium 226 + Radium 228, total	0.219	pCi/L
G281	Background	E007	10/30/2024	Selenium, total	0.0006 U	mg/L
G281	Background	E007	10/30/2024	Specific Conductance @ 25C (field)	1,310	micromhos/cm
G281	Background	E007	10/30/2024	Sulfate, total	317	mg/L
G281	Background	E007	10/30/2024	Temperature	17.9	degrees C
G281	Background	E007	10/30/2024	Thallium, total	0.001 U	mg/L
G281	Background	E007	10/30/2024	Total Dissolved Solids	966	mg/L
G281	Background	E007	10/30/2024	Turbidity, field	58.0	NTU
G306	Background	E007	11/04/2024	Antimony, total	0.0004 U	mg/L
G306	Background	E007	11/04/2024	Arsenic, total	0.0004 U	mg/L
G306	Background	E007	11/04/2024	Barium, total	0.0377	mg/L
G306	Background	E007	11/04/2024	Beryllium, total	0.0002 U	mg/L
G306	Background	E007	11/04/2024	Boron, total	2.07	mg/L
G306	Background	E007	11/04/2024	Cadmium, total	0.0002 U	mg/L
G306	Background	E007	11/04/2024	Calcium, total	85.0	mg/L
G306	Background	E007	11/04/2024	Chloride, total	2 J	mg/L
G306	Background	E007	11/04/2024	Chromium, total	0.00150 J	mg/L
G306	Background	E007	11/04/2024	Cobalt, total	0.0004 J	mg/L
G306	Background	E007	11/04/2024	Dissolved Oxygen	0.700	mg/L
G306	Background	E007	11/04/2024	Fluoride, total	0.2 U	mg/L
G306	Background	E007	11/04/2024	Lead, total	0.0006 U	mg/L
G306	Background	E007	11/04/2024	Lithium, total	0.00440	mg/L
G306	Background	E007	11/04/2024	Mercury, total	0.00006 U	mg/L
G306	Background	E007	11/04/2024	Molybdenum, total	0.0006 U	mg/L
G306	Background	E007	11/04/2024	Oxidation Reduction Potential	84.0	mV
G306	Background	E007	11/04/2024	pH (field)	6.2	SU
G306	Background	E007	11/04/2024	Radium 226 + Radium 228, total	0.582	pCi/L
G306	Background	E007	11/04/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G306	Background	E007	11/04/2024	Specific Conductance @ 25C (field)	724	micromhos/cm
G306	Background	E007	11/04/2024	Sulfate, total	122	mg/L
G306	Background	E007	11/04/2024	Temperature	15.9	degrees C
G306	Background	E007	11/04/2024	Thallium, total	0.001 U	mg/L
G306	Background	E007	11/04/2024	Total Dissolved Solids	598	mg/L
G306	Background	E007	11/04/2024	Turbidity, field	50.0	NTU
G301	Compliance	E007	11/07/2024	Antimony, total	0.0005 J	mg/L
G301	Compliance	E007	11/07/2024	Arsenic, total	0.0004 U	mg/L
G301	Compliance	E007	11/07/2024	Barium, total	0.0140	mg/L
G301	Compliance	E007	11/07/2024	Beryllium, total	0.0002 U	mg/L
G301	Compliance	E007	11/07/2024	Boron, total	2.13	mg/L
G301	Compliance	E007	11/07/2024	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E007	11/07/2024	Calcium, total	107	mg/L
G301	Compliance	E007	11/07/2024	Chloride, total	10.8	mg/L
G301	Compliance	E007	11/07/2024	Chromium, total	0.0007 U	mg/L
G301	Compliance	E007	11/07/2024	Cobalt, total	0.00140	mg/L
G301	Compliance	E007	11/07/2024	Dissolved Oxygen	2.99	mg/L
G301	Compliance	E007	11/07/2024	Fluoride, total	0.2 U	mg/L
G301	Compliance	E007	11/07/2024	Lead, total	0.0006 U	mg/L
G301	Compliance	E007	11/07/2024	Lithium, total	0.00490	mg/L
G301	Compliance	E007	11/07/2024	Mercury, total	0.00006 U	mg/L
G301	Compliance	E007	11/07/2024	Molybdenum, total	0.0007 J	mg/L
G301	Compliance	E007	11/07/2024	Oxidation Reduction Potential	148	mV
G301	Compliance	E007	11/07/2024	pH (field)	6.6	SU
G301	Compliance	E007	11/07/2024	Radium 226 + Radium 228, total	0.0249	pCi/L
G301	Compliance	E007	11/07/2024	Selenium, total	0.0006 U	mg/L
G301	Compliance	E007	11/07/2024	Specific Conductance @ 25C (field)	972	micromhos/cm
G301	Compliance	E007	11/07/2024	Sulfate, total	460	mg/L
G301	Compliance	E007	11/07/2024	Temperature	16.7	degrees C
G301	Compliance	E007	11/07/2024	Thallium, total	0.001 U	mg/L
G301	Compliance	E007	11/07/2024	Total Dissolved Solids	872	mg/L
G301	Compliance	E007	11/07/2024	Turbidity, field	2.40	NTU
G302	Compliance	E007	11/06/2024	Antimony, total	0.0004 U	mg/L
G302	Compliance	E007	11/06/2024	Arsenic, total	0.0009 J	mg/L
G302	Compliance	E007	11/06/2024	Barium, total	0.0340	mg/L
G302	Compliance	E007	11/06/2024	Beryllium, total	0.0002 U	mg/L
G302	Compliance	E007	11/06/2024	Boron, total	2.56	mg/L
G302	Compliance	E007	11/06/2024	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E007	11/06/2024	Calcium, total	188	mg/L
G302	Compliance	E007	11/06/2024	Chloride, total	14.7	mg/L
G302	Compliance	E007	11/06/2024	Chromium, total	0.0007 U	mg/L
G302	Compliance	E007	11/06/2024	Cobalt, total	0.00160	mg/L
G302	Compliance	E007	11/06/2024	Dissolved Oxygen	1.69	mg/L
G302	Compliance	E007	11/06/2024	Fluoride, total	0.2 U	mg/L
G302	Compliance	E007	11/06/2024	Lead, total	0.0006 U	mg/L
G302	Compliance	E007	11/06/2024	Lithium, total	0.0143	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E007	11/06/2024	Mercury, total	0.00006 U	mg/L
G302	Compliance	E007	11/06/2024	Molybdenum, total	0.0009 J	mg/L
G302	Compliance	E007	11/06/2024	Oxidation Reduction Potential	-40.0	mV
G302	Compliance	E007	11/06/2024	pH (field)	6.6	SU
G302	Compliance	E007	11/06/2024	Radium 226 + Radium 228, total	0.273	pCi/L
G302	Compliance	E007	11/06/2024	Selenium, total	0.0008 J	mg/L
G302	Compliance	E007	11/06/2024	Specific Conductance @ 25C (field)	1,270	micromhos/cm
G302	Compliance	E007	11/06/2024	Sulfate, total	523	mg/L
G302	Compliance	E007	11/06/2024	Temperature	16.5	degrees C
G302	Compliance	E007	11/06/2024	Thallium, total	0.001 U	mg/L
G302	Compliance	E007	11/06/2024	Total Dissolved Solids	1,100	mg/L
G302	Compliance	E007	11/06/2024	Turbidity, field	20.0	NTU
G303	Compliance	E007	11/06/2024	Antimony, total	0.0004 U	mg/L
G303	Compliance	E007	11/06/2024	Arsenic, total	0.00240	mg/L
G303	Compliance	E007	11/06/2024	Barium, total	0.0210	mg/L
G303	Compliance	E007	11/06/2024	Beryllium, total	0.0002 U	mg/L
G303	Compliance	E007	11/06/2024	Boron, total	2.50	mg/L
G303	Compliance	E007	11/06/2024	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E007	11/06/2024	Calcium, total	174	mg/L
G303	Compliance	E007	11/06/2024	Chloride, total	25.4	mg/L
G303	Compliance	E007	11/06/2024	Chromium, total	0.00180	mg/L
G303	Compliance	E007	11/06/2024	Cobalt, total	0.00200	mg/L
G303	Compliance	E007	11/06/2024	Dissolved Oxygen	2.86	mg/L
G303	Compliance	E007	11/06/2024	Fluoride, total	0.2 U	mg/L
G303	Compliance	E007	11/06/2024	Lead, total	0.0008 J	mg/L
G303	Compliance	E007	11/06/2024	Lithium, total	0.0332	mg/L
G303	Compliance	E007	11/06/2024	Mercury, total	0.00006 U	mg/L
G303	Compliance	E007	11/06/2024	Molybdenum, total	0.00180	mg/L
G303	Compliance	E007	11/06/2024	Oxidation Reduction Potential	-92.0	mV
G303	Compliance	E007	11/06/2024	pH (field)	6.7	SU
G303	Compliance	E007	11/06/2024	Radium 226 + Radium 228, total	0.448	pCi/L
G303	Compliance	E007	11/06/2024	Selenium, total	0.0006 U	mg/L
G303	Compliance	E007	11/06/2024	Specific Conductance @ 25C (field)	1,610	micromhos/cm
G303	Compliance	E007	11/06/2024	Sulfate, total	688	mg/L
G303	Compliance	E007	11/06/2024	Temperature	16.1	degrees C
G303	Compliance	E007	11/06/2024	Thallium, total	0.001 U	mg/L
G303	Compliance	E007	11/06/2024	Total Dissolved Solids	1,690	mg/L
G303	Compliance	E007	11/06/2024	Turbidity, field	14.0	NTU
G305	Compliance	E007	11/06/2024	Antimony, total	0.0004 U	mg/L
G305	Compliance	E007	11/06/2024	Arsenic, total	0.0005 J	mg/L
G305	Compliance	E007	11/06/2024	Barium, total	0.0266	mg/L
G305	Compliance	E007	11/06/2024	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E007	11/06/2024	Boron, total	2.62	mg/L
G305	Compliance	E007	11/06/2024	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E007	11/06/2024	Calcium, total	177	mg/L
G305	Compliance	E007	11/06/2024	Chloride, total	14.4	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E007	11/06/2024	Chromium, total	0.0007 U	mg/L
G305	Compliance	E007	11/06/2024	Cobalt, total	0.0003 J	mg/L
G305	Compliance	E007	11/06/2024	Dissolved Oxygen	1.13	mg/L
G305	Compliance	E007	11/06/2024	Fluoride, total	0.39 J	mg/L
G305	Compliance	E007	11/06/2024	Lead, total	0.0006 U	mg/L
G305	Compliance	E007	11/06/2024	Lithium, total	0.00670	mg/L
G305	Compliance	E007	11/06/2024	Mercury, total	0.00006 U	mg/L
G305	Compliance	E007	11/06/2024	Molybdenum, total	0.001 J	mg/L
G305	Compliance	E007	11/06/2024	Oxidation Reduction Potential	-31.0	mV
G305	Compliance	E007	11/06/2024	pH (field)	7.1	SU
G305	Compliance	E007	11/06/2024	Radium 226 + Radium 228, total	0.0398	pCi/L
G305	Compliance	E007	11/06/2024	Selenium, total	0.0006 U	mg/L
G305	Compliance	E007	11/06/2024	Specific Conductance @ 25C (field)	1,330	micromhos/cm
G305	Compliance	E007	11/06/2024	Sulfate, total	819	mg/L
G305	Compliance	E007	11/06/2024	Temperature	16.2	degrees C
G305	Compliance	E007	11/06/2024	Thallium, total	0.001 U	mg/L
G305	Compliance	E007	11/06/2024	Total Dissolved Solids	1,470	mg/L
G305	Compliance	E007	11/06/2024	Turbidity, field	1.20	NTU
G307	Compliance	E007	11/04/2024	Antimony, total	0.0004 U	mg/L
G307	Compliance	E007	11/04/2024	Arsenic, total	0.00740	mg/L
G307	Compliance	E007	11/04/2024	Barium, total	0.264	mg/L
G307	Compliance	E007	11/04/2024	Beryllium, total	0.00140	mg/L
G307	Compliance	E007	11/04/2024	Boron, total	2.10	mg/L
G307	Compliance	E007	11/04/2024	Cadmium, total	0.0003 J	mg/L
G307	Compliance	E007	11/04/2024	Calcium, total	179	mg/L
G307	Compliance	E007	11/04/2024	Chloride, total	9.48	mg/L
G307	Compliance	E007	11/04/2024	Chromium, total	0.0251	mg/L
G307	Compliance	E007	11/04/2024	Cobalt, total	0.00930	mg/L
G307	Compliance	E007	11/04/2024	Dissolved Oxygen	1.19	mg/L
G307	Compliance	E007	11/04/2024	Fluoride, total	0.26 J	mg/L
G307	Compliance	E007	11/04/2024	Lead, total	0.0151	mg/L
G307	Compliance	E007	11/04/2024	Lithium, total	0.0159	mg/L
G307	Compliance	E007	11/04/2024	Mercury, total	0.0135	mg/L
G307	Compliance	E007	11/04/2024	Molybdenum, total	0.00230	mg/L
G307	Compliance	E007	11/04/2024	Oxidation Reduction Potential	-120	mV
G307	Compliance	E007	11/04/2024	pH (field)	6.8	SU
G307	Compliance	E007	11/04/2024	Radium 226 + Radium 228, total	1.18	pCi/L
G307	Compliance	E007	11/04/2024	Selenium, total	0.0006 U	mg/L
G307	Compliance	E007	11/04/2024	Specific Conductance @ 25C (field)	1,070	micromhos/cm
G307	Compliance	E007	11/04/2024	Sulfate, total	432	mg/L
G307	Compliance	E007	11/04/2024	Temperature	17.5	degrees C
G307	Compliance	E007	11/04/2024	Thallium, total	0.001 U	mg/L
G307	Compliance	E007	11/04/2024	Total Dissolved Solids	930	mg/L
G307	Compliance	E007	11/04/2024	Turbidity, field	7.80	NTU
G307D	Compliance	E007	11/04/2024	Antimony, total	0.0004 U	mg/L
G307D	Compliance	E007	11/04/2024	Arsenic, total	0.00220	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G307D	Compliance	E007	11/04/2024	Barium, total	0.0248	mg/L
G307D	Compliance	E007	11/04/2024	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E007	11/04/2024	Boron, total	1.38	mg/L
G307D	Compliance	E007	11/04/2024	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E007	11/04/2024	Calcium, total	136	mg/L
G307D	Compliance	E007	11/04/2024	Chloride, total	13.6	mg/L
G307D	Compliance	E007	11/04/2024	Chromium, total	0.0007 U	mg/L
G307D	Compliance	E007	11/04/2024	Cobalt, total	0.0001 U	mg/L
G307D	Compliance	E007	11/04/2024	Dissolved Oxygen	1.81	mg/L
G307D	Compliance	E007	11/04/2024	Fluoride, total	0.690	mg/L
G307D	Compliance	E007	11/04/2024	Lead, total	0.0006 U	mg/L
G307D	Compliance	E007	11/04/2024	Lithium, total	0.0014 U	mg/L
G307D	Compliance	E007	11/04/2024	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E007	11/04/2024	Molybdenum, total	0.00550	mg/L
G307D	Compliance	E007	11/04/2024	Oxidation Reduction Potential	-106	mV
G307D	Compliance	E007	11/04/2024	pH (field)	7.0	SU
G307D	Compliance	E007	11/04/2024	Radium 226 + Radium 228, total	0.085	pCi/L
G307D	Compliance	E007	11/04/2024	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E007	11/04/2024	Specific Conductance @ 25C (field)	1,300	micromhos/cm
G307D	Compliance	E007	11/04/2024	Sulfate, total	500	mg/L
G307D	Compliance	E007	11/04/2024	Temperature	17.0	degrees C
G307D	Compliance	E007	11/04/2024	Thallium, total	0.001 U	mg/L
G307D	Compliance	E007	11/04/2024	Total Dissolved Solids	960	mg/L
G307D	Compliance	E007	11/04/2024	Turbidity, field	14.0	NTU
G308	Compliance	E007	11/04/2024	Antimony, total	0.0008 J	mg/L
G308	Compliance	E007	11/04/2024	Arsenic, total	0.0007 J	mg/L
G308	Compliance	E007	11/04/2024	Barium, total	0.0180	mg/L
G308	Compliance	E007	11/04/2024	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E007	11/04/2024	Boron, total	2.93	mg/L
G308	Compliance	E007	11/04/2024	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E007	11/04/2024	Calcium, total	189	mg/L
G308	Compliance	E007	11/04/2024	Chloride, total	8.50	mg/L
G308	Compliance	E007	11/04/2024	Chromium, total	0.0007 U	mg/L
G308	Compliance	E007	11/04/2024	Cobalt, total	0.0003 J	mg/L
G308	Compliance	E007	11/04/2024	Dissolved Oxygen	1.03	mg/L
G308	Compliance	E007	11/04/2024	Fluoride, total	0.520	mg/L
G308	Compliance	E007	11/04/2024	Lead, total	0.0006 U	mg/L
G308	Compliance	E007	11/04/2024	Lithium, total	0.00680	mg/L
G308	Compliance	E007	11/04/2024	Mercury, total	0.00006 U	mg/L
G308	Compliance	E007	11/04/2024	Molybdenum, total	0.00280	mg/L
G308	Compliance	E007	11/04/2024	Oxidation Reduction Potential	-15.0	mV
G308	Compliance	E007	11/04/2024	pH (field)	6.9	SU
G308	Compliance	E007	11/04/2024	Radium 226 + Radium 228, total	0.202	pCi/L
G308	Compliance	E007	11/04/2024	Selenium, total	0.0006 U	mg/L
G308	Compliance	E007	11/04/2024	Specific Conductance @ 25C (field)	1,680	micromhos/cm
G308	Compliance	E007	11/04/2024	Sulfate, total	849	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E007	11/04/2024	Temperature	17.1	degrees C
G308	Compliance	E007	11/04/2024	Thallium, total	0.001 U	mg/L
G308	Compliance	E007	11/04/2024	Total Dissolved Solids	600	mg/L
G308	Compliance	E007	11/04/2024	Turbidity, field	17.0	NTU
G310	Compliance	E007	11/06/2024	Antimony, total	0.0004 U	mg/L
G310	Compliance	E007	11/06/2024	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E007	11/06/2024	Barium, total	0.0171	mg/L
G310	Compliance	E007	11/06/2024	Beryllium, total	0.0002 U	mg/L
G310	Compliance	E007	11/06/2024	Boron, total	2.17	mg/L
G310	Compliance	E007	11/06/2024	Cadmium, total	0.0002 U	mg/L
G310	Compliance	E007	11/06/2024	Calcium, total	140	mg/L
G310	Compliance	E007	11/06/2024	Chloride, total	10.7	mg/L
G310	Compliance	E007	11/06/2024	Chromium, total	0.0007 U	mg/L
G310	Compliance	E007	11/06/2024	Cobalt, total	0.00150	mg/L
G310	Compliance	E007	11/06/2024	Dissolved Oxygen	1.29	mg/L
G310	Compliance	E007	11/06/2024	Fluoride, total	0.21 J	mg/L
G310	Compliance	E007	11/06/2024	Lead, total	0.0006 U	mg/L
G310	Compliance	E007	11/06/2024	Lithium, total	0.00710	mg/L
G310	Compliance	E007	11/06/2024	Mercury, total	0.00006 U	mg/L
G310	Compliance	E007	11/06/2024	Molybdenum, total	0.0006 U	mg/L
G310	Compliance	E007	11/06/2024	Oxidation Reduction Potential	46.0	mV
G310	Compliance	E007	11/06/2024	pH (field)	6.9	SU
G310	Compliance	E007	11/06/2024	Radium 226 + Radium 228, total	2.96	pCi/L
G310	Compliance	E007	11/06/2024	Selenium, total	0.0006 U	mg/L
G310	Compliance	E007	11/06/2024	Specific Conductance @ 25C (field)	1,030	micromhos/cm
G310	Compliance	E007	11/06/2024	Sulfate, total	523	mg/L
G310	Compliance	E007	11/06/2024	Temperature	16.6	degrees C
G310	Compliance	E007	11/06/2024	Thallium, total	0.001 U	mg/L
G310	Compliance	E007	11/06/2024	Total Dissolved Solids	1,050	mg/L
G310	Compliance	E007	11/06/2024	Turbidity, field	1.40	NTU
G312	Compliance	E007	11/06/2024	Antimony, total	0.0004 U	mg/L
G312	Compliance	E007	11/06/2024	Arsenic, total	0.0006 J	mg/L
G312	Compliance	E007	11/06/2024	Barium, total	0.0367	mg/L
G312	Compliance	E007	11/06/2024	Beryllium, total	0.0002 U	mg/L
G312	Compliance	E007	11/06/2024	Boron, total	3.75	mg/L
G312	Compliance	E007	11/06/2024	Cadmium, total	0.0002 J	mg/L
G312	Compliance	E007	11/06/2024	Calcium, total	211	mg/L
G312	Compliance	E007	11/06/2024	Chloride, total	22.6	mg/L
G312	Compliance	E007	11/06/2024	Chromium, total	0.0007 U	mg/L
G312	Compliance	E007	11/06/2024	Cobalt, total	0.00280	mg/L
G312	Compliance	E007	11/06/2024	Dissolved Oxygen	1.90	mg/L
G312	Compliance	E007	11/06/2024	Fluoride, total	0.31 J	mg/L
G312	Compliance	E007	11/06/2024	Lead, total	0.0006 U	mg/L
G312	Compliance	E007	11/06/2024	Lithium, total	0.0175	mg/L
G312	Compliance	E007	11/06/2024	Mercury, total	0.00006 U	mg/L
G312	Compliance	E007	11/06/2024	Molybdenum, total	0.0012 J	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G312	Compliance	E007	11/06/2024	Oxidation Reduction Potential	79.0	mV
G312	Compliance	E007	11/06/2024	pH (field)	6.3	SU
G312	Compliance	E007	11/06/2024	Radium 226 + Radium 228, total	2.47	pCi/L
G312	Compliance	E007	11/06/2024	Selenium, total	0.0006 U	mg/L
G312	Compliance	E007	11/06/2024	Specific Conductance @ 25C (field)	1,770	micromhos/cm
G312	Compliance	E007	11/06/2024	Sulfate, total	825	mg/L
G312	Compliance	E007	11/06/2024	Temperature	16.9	degrees C
G312	Compliance	E007	11/06/2024	Thallium, total	0.001 U	mg/L
G312	Compliance	E007	11/06/2024	Total Dissolved Solids	1,820	mg/L
G312	Compliance	E007	11/06/2024	Turbidity, field	2.50	NTU
G313	Compliance	E007	11/07/2024	Antimony, total	0.0004 U	mg/L
G313	Compliance	E007	11/07/2024	Arsenic, total	0.0004 U	mg/L
G313	Compliance	E007	11/07/2024	Barium, total	0.0187	mg/L
G313	Compliance	E007	11/07/2024	Beryllium, total	0.0002 U	mg/L
G313	Compliance	E007	11/07/2024	Boron, total	3.43	mg/L
G313	Compliance	E007	11/07/2024	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E007	11/07/2024	Calcium, total	196	mg/L
G313	Compliance	E007	11/07/2024	Chloride, total	18.0	mg/L
G313	Compliance	E007	11/07/2024	Chromium, total	0.0007 U	mg/L
G313	Compliance	E007	11/07/2024	Cobalt, total	0.0007 J	mg/L
G313	Compliance	E007	11/07/2024	Dissolved Oxygen	1.45	mg/L
G313	Compliance	E007	11/07/2024	Fluoride, total	0.2 U	mg/L
G313	Compliance	E007	11/07/2024	Lead, total	0.0006 U	mg/L
G313	Compliance	E007	11/07/2024	Lithium, total	0.0196	mg/L
G313	Compliance	E007	11/07/2024	Mercury, total	0.00006 U	mg/L
G313	Compliance	E007	11/07/2024	Molybdenum, total	0.0014 J	mg/L
G313	Compliance	E007	11/07/2024	Oxidation Reduction Potential	36.0	mV
G313	Compliance	E007	11/07/2024	pH (field)	6.7	SU
G313	Compliance	E007	11/07/2024	Radium 226 + Radium 228, total	4.08	pCi/L
G313	Compliance	E007	11/07/2024	Selenium, total	0.0006 U	mg/L
G313	Compliance	E007	11/07/2024	Specific Conductance @ 25C (field)	1,400	micromhos/cm
G313	Compliance	E007	11/07/2024	Sulfate, total	648	mg/L
G313	Compliance	E007	11/07/2024	Temperature	17.1	degrees C
G313	Compliance	E007	11/07/2024	Thallium, total	0.001 U	mg/L
G313	Compliance	E007	11/07/2024	Total Dissolved Solids	1,480	mg/L
G313	Compliance	E007	11/07/2024	Turbidity, field	19.0	NTU
G314	Compliance	E007	11/06/2024	Antimony, total	0.0004 U	mg/L
G314	Compliance	E007	11/06/2024	Arsenic, total	0.00110	mg/L
G314	Compliance	E007	11/06/2024	Barium, total	0.0202	mg/L
G314	Compliance	E007	11/06/2024	Beryllium, total	0.0002 U	mg/L
G314	Compliance	E007	11/06/2024	Boron, total	0.170	mg/L
G314	Compliance	E007	11/06/2024	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E007	11/06/2024	Calcium, total	607	mg/L
G314	Compliance	E007	11/06/2024	Chloride, total	31.2	mg/L
G314	Compliance	E007	11/06/2024	Chromium, total	0.0007 U	mg/L
G314	Compliance	E007	11/06/2024	Cobalt, total	0.00270	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314	Compliance	E007	11/06/2024	Dissolved Oxygen	1.05	mg/L
G314	Compliance	E007	11/06/2024	Fluoride, total	0.2 U	mg/L
G314	Compliance	E007	11/06/2024	Lead, total	0.0006 U	mg/L
G314	Compliance	E007	11/06/2024	Lithium, total	0.00630	mg/L
G314	Compliance	E007	11/06/2024	Mercury, total	0.00006 U	mg/L
G314	Compliance	E007	11/06/2024	Molybdenum, total	0.001 J	mg/L
G314	Compliance	E007	11/06/2024	Oxidation Reduction Potential	-96.0	mV
G314	Compliance	E007	11/06/2024	pH (field)	6.4	SU
G314	Compliance	E007	11/06/2024	Radium 226 + Radium 228, total	1.44	pCi/L
G314	Compliance	E007	11/06/2024	Selenium, total	0.0006 U	mg/L
G314	Compliance	E007	11/06/2024	Specific Conductance @ 25C (field)	2,980	micromhos/cm
G314	Compliance	E007	11/06/2024	Sulfate, total	2,250	mg/L
G314	Compliance	E007	11/06/2024	Temperature	16.8	degrees C
G314	Compliance	E007	11/06/2024	Thallium, total	0.001 U	mg/L
G314	Compliance	E007	11/06/2024	Total Dissolved Solids	3,820	mg/L
G314	Compliance	E007	11/06/2024	Turbidity, field	32.0	NTU
G314D	Compliance	E007	11/04/2024	Antimony, total	0.0004 U	mg/L
G314D	Compliance	E007	11/04/2024	Arsenic, total	0.0103	mg/L
G314D	Compliance	E007	11/04/2024	Barium, total	0.0315	mg/L
G314D	Compliance	E007	11/04/2024	Beryllium, total	0.0002 U	mg/L
G314D	Compliance	E007	11/04/2024	Boron, total	0.218	mg/L
G314D	Compliance	E007	11/04/2024	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E007	11/04/2024	Calcium, total	307	mg/L
G314D	Compliance	E007	11/04/2024	Chloride, total	50.5	mg/L
G314D	Compliance	E007	11/04/2024	Chromium, total	0.0007 U	mg/L
G314D	Compliance	E007	11/04/2024	Cobalt, total	0.00480	mg/L
G314D	Compliance	E007	11/04/2024	Dissolved Oxygen	0.480	mg/L
G314D	Compliance	E007	11/04/2024	Fluoride, total	0.46 J	mg/L
G314D	Compliance	E007	11/04/2024	Lead, total	0.0006 U	mg/L
G314D	Compliance	E007	11/04/2024	Lithium, total	0.0108	mg/L
G314D	Compliance	E007	11/04/2024	Mercury, total	0.00006 U	mg/L
G314D	Compliance	E007	11/04/2024	Molybdenum, total	0.00450	mg/L
G314D	Compliance	E007	11/04/2024	Oxidation Reduction Potential	-94.0	mV
G314D	Compliance	E007	11/04/2024	pH (field)	6.7	SU
G314D	Compliance	E007	11/04/2024	Radium 226 + Radium 228, total	1.79	pCi/L
G314D	Compliance	E007	11/04/2024	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E007	11/04/2024	Specific Conductance @ 25C (field)	2,780	micromhos/cm
G314D	Compliance	E007	11/04/2024	Sulfate, total	1,190	mg/L
G314D	Compliance	E007	11/04/2024	Temperature	15.8	degrees C
G314D	Compliance	E007	11/04/2024	Thallium, total	0.001 U	mg/L
G314D	Compliance	E007	11/04/2024	Total Dissolved Solids	2,450	mg/L
G314D	Compliance	E007	11/04/2024	Turbidity, field	320	NTU
G315	Compliance	E007	11/04/2024	Antimony, total	0.0004 U	mg/L
G315	Compliance	E007	11/04/2024	Arsenic, total	0.0004 J	mg/L
G315	Compliance	E007	11/04/2024	Barium, total	0.0192	mg/L
G315	Compliance	E007	11/04/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G315	Compliance	E007	11/04/2024	Boron, total	1.51	mg/L
G315	Compliance	E007	11/04/2024	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E007	11/04/2024	Calcium, total	137	mg/L
G315	Compliance	E007	11/04/2024	Chloride, total	12.4	mg/L
G315	Compliance	E007	11/04/2024	Chromium, total	0.0007 U	mg/L
G315	Compliance	E007	11/04/2024	Cobalt, total	0.0008 J	mg/L
G315	Compliance	E007	11/04/2024	Dissolved Oxygen	0.660	mg/L
G315	Compliance	E007	11/04/2024	Fluoride, total	0.2 U	mg/L
G315	Compliance	E007	11/04/2024	Lead, total	0.0006 U	mg/L
G315	Compliance	E007	11/04/2024	Lithium, total	0.00470	mg/L
G315	Compliance	E007	11/04/2024	Mercury, total	0.00006 U	mg/L
G315	Compliance	E007	11/04/2024	Molybdenum, total	0.0007 J	mg/L
G315	Compliance	E007	11/04/2024	Oxidation Reduction Potential	44.0	mV
G315	Compliance	E007	11/04/2024	pH (field)	6.6	SU
G315	Compliance	E007	11/04/2024	Radium 226 + Radium 228, total	1.7	pCi/L
G315	Compliance	E007	11/04/2024	Selenium, total	0.0006 U	mg/L
G315	Compliance	E007	11/04/2024	Specific Conductance @ 25C (field)	1,250	micromhos/cm
G315	Compliance	E007	11/04/2024	Sulfate, total	505	mg/L
G315	Compliance	E007	11/04/2024	Temperature	16.1	degrees C
G315	Compliance	E007	11/04/2024	Thallium, total	0.001 U	mg/L
G315	Compliance	E007	11/04/2024	Total Dissolved Solids	1,060	mg/L
G315	Compliance	E007	11/04/2024	Turbidity, field	5.50	NTU
G316	Compliance	E007	11/04/2024	Antimony, total	0.0004 U	mg/L
G316	Compliance	E007	11/04/2024	Arsenic, total	0.0102	mg/L
G316	Compliance	E007	11/04/2024	Barium, total	0.0745	mg/L
G316	Compliance	E007	11/04/2024	Beryllium, total	0.0002 U	mg/L
G316	Compliance	E007	11/04/2024	Boron, total	0.491	mg/L
G316	Compliance	E007	11/04/2024	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E007	11/04/2024	Calcium, total	202	mg/L
G316	Compliance	E007	11/04/2024	Chloride, total	22.9	mg/L
G316	Compliance	E007	11/04/2024	Chromium, total	0.0007 U	mg/L
G316	Compliance	E007	11/04/2024	Cobalt, total	0.00320	mg/L
G316	Compliance	E007	11/04/2024	Dissolved Oxygen	0.770	mg/L
G316	Compliance	E007	11/04/2024	Fluoride, total	0.22 J	mg/L
G316	Compliance	E007	11/04/2024	Lead, total	0.0006 U	mg/L
G316	Compliance	E007	11/04/2024	Lithium, total	0.0015 J	mg/L
G316	Compliance	E007	11/04/2024	Mercury, total	0.00006 U	mg/L
G316	Compliance	E007	11/04/2024	Molybdenum, total	0.00680	mg/L
G316	Compliance	E007	11/04/2024	Oxidation Reduction Potential	-116	mV
G316	Compliance	E007	11/04/2024	pH (field)	7.0	SU
G316	Compliance	E007	11/04/2024	Radium 226 + Radium 228, total	1.51	pCi/L
G316	Compliance	E007	11/04/2024	Selenium, total	0.0006 U	mg/L
G316	Compliance	E007	11/04/2024	Specific Conductance @ 25C (field)	1,990	micromhos/cm
G316	Compliance	E007	11/04/2024	Sulfate, total	634	mg/L
G316	Compliance	E007	11/04/2024	Temperature	16.6	degrees C
G316	Compliance	E007	11/04/2024	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G316	Compliance	E007	11/04/2024	Total Dissolved Solids	1,380	mg/L
G316	Compliance	E007	11/04/2024	Turbidity, field	59.0	NTU

Notes:
C = Celsius
cm = centimeter
Events:
E007 = Quarter 4, 2024 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
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
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G301	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	94	CB around T-S line	0.00209	0.006	Standard	No Exceedance
G301	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.001	0.010	Standard	No Exceedance
G301	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CB around T-S line	-0.0115	2.0	Standard	No Exceedance
G301	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G301	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	2.16	3.20	Background	No Exceedance
G301	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	96	CI around median	0.001	0.005	Standard	No Exceedance
G301	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	0	CB around T-S line	6.9	200	Standard	No Exceedance
G301	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	61	CB around T-S line	0.000936	0.1	Standard	No Exceedance
G301	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	30	CB around T-S line	0.000102	0.006	Standard	No Exceedance
G301	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	4.0	Standard	No Exceedance
G301	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.0075	Standard	No Exceedance
G301	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.01	0.04	Standard	No Exceedance
G301	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G301	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G301	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G301	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around mean	0.517	5	Standard	No Exceedance
G301	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G301	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CB around linear reg	477	400	Standard	Exceedance
G301	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G301	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1,070	1,200	Standard	No Exceedance
G302	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G302	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	22	CI around median	0.001	0.010	Standard	No Exceedance
G302	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.0289	2.0	Standard	No Exceedance
G302	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G302	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1.65	3.20	Background	No Exceedance
G302	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G302	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	4	CI around mean	11.8	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G302	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.004	0.1	Standard	No Exceedance
G302	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	26	CI around median	0.002	0.006	Standard	No Exceedance
G302	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	4.0	Standard	No Exceedance
G302	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.001	0.0075	Standard	No Exceedance
G302	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	30	CI around mean	0.014	0.04	Standard	No Exceedance
G302	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G302	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.1	Standard	No Exceedance
G302	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G302	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.365	5	Standard	No Exceedance
G302	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	96	CI around median	0.001	0.05	Standard	No Exceedance
G302	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	376	400	Standard	No Exceedance
G302	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G302	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	969	1,200	Standard	No Exceedance
G303	UA	E004	Antimony, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G303	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/14/24	23	4	CB around linear reg	-0.00257	0.010	Standard	No Exceedance
G303	UA	E004	Barium, total	mg/L	11/20/15 - 02/14/24	23	0	CI around median	0.015	2.0	Standard	No Exceedance
G303	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G303	UA	E004	Boron, total	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1.77	3.20	Background	No Exceedance
G303	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/14/24	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G303	UA	E004	Chloride, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	25.1	200	Standard	No Exceedance
G303	UA	E004	Chromium, total	mg/L	11/20/15 - 02/14/24	23	87	CB around T-S line	0.0017	0.1	Standard	No Exceedance
G303	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/14/24	23	30	CI around geomean	0.00154	0.006	Standard	No Exceedance
G303	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/14/24	24	21	CI around mean	0.265	4.0	Standard	No Exceedance
G303	UA	E004	Lead, total	mg/L	11/20/15 - 02/14/24	23	83	CI around median	0.001	0.0075	Standard	No Exceedance
G303	UA	E004	Lithium, total	mg/L	11/20/15 - 02/14/24	23	0	CB around linear reg	0.0154	0.04	Standard	No Exceedance
G303	UA	E004	Mercury, total	mg/L	11/20/15 - 02/14/24	18	89	CI around median	0.0002	0.002	Standard	No Exceedance
G303	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/14/24	23	0	CI around mean	0.00177	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G303	UA	E004	pH (field)	SU	11/20/15 - 02/14/24	24	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G303	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/14/24	23	0	CI around mean	0.562	5	Standard	No Exceedance
G303	UA	E004	Selenium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G303	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	606	400	Standard	Exceedance
G303	UA	E004	Thallium, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G303	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1,510	1,200	Standard	Exceedance
G305	UA	E004	Antimony, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G305	UA	E004	Arsenic, total	mg/L	05/19/16 - 02/19/24	10	60	CI around median	0.001	0.010	Standard	No Exceedance
G305	UA	E004	Barium, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.0286	2.0	Standard	No Exceedance
G305	UA	E004	Beryllium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G305	UA	E004	Boron, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	2.06	3.20	Background	No Exceedance
G305	UA	E004	Cadmium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G305	UA	E004	Chloride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	18.6	200	Standard	No Exceedance
G305	UA	E004	Chromium, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.00146	0.1	Standard	No Exceedance
G305	UA	E004	Cobalt, total	mg/L	05/19/16 - 02/19/24	10	70	CI around median	0.001	0.006	Standard	No Exceedance
G305	UA	E004	Fluoride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	0.359	4.0	Standard	No Exceedance
G305	UA	E004	Lead, total	mg/L	05/19/16 - 02/19/24	10	20	CI around geomean	0.00103	0.0075	Standard	No Exceedance
G305	UA	E004	Lithium, total	mg/L	05/19/16 - 02/19/24	10	40	CI around mean	0.00629	0.04	Standard	No Exceedance
G305	UA	E004	Mercury, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G305	UA	E004	Molybdenum, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.000984	0.1	Standard	No Exceedance
G305	UA	E004	pH (field)	SU	05/19/16 - 02/19/24	10	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
G305	UA	E004	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.31	5	Standard	No Exceedance
G305	UA	E004	Selenium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G305	UA	E004	Sulfate, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	808	400	Standard	Exceedance
G305	UA	E004	Thallium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G305	UA	E004	Total Dissolved Solids	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	1,360	1,200	Standard	Exceedance
G307	UA	E004	Antimony, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307	UA	E004	Arsenic, total	mg/L	08/16/16 - 02/14/24	19	58	CI around median	0.001	0.010	Standard	No Exceedance
G307	UA	E004	Barium, total	mg/L	08/16/16 - 02/14/24	19	0	CI around geomean	0.0295	2.0	Standard	No Exceedance
G307	UA	E004	Beryllium, total	mg/L	08/16/16 - 02/14/24	18	94	CI around median	0.001	0.004	Standard	No Exceedance
G307	UA	E004	Boron, total	mg/L	08/16/16 - 02/14/24	20	0	CI around mean	2.01	3.20	Background	No Exceedance
G307	UA	E004	Cadmium, total	mg/L	08/16/16 - 02/14/24	19	53	CI around median	0.001	0.005	Standard	No Exceedance
G307	UA	E004	Chloride, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	7.82	200	Standard	No Exceedance
G307	UA	E004	Chromium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.004	0.1	Standard	No Exceedance
G307	UA	E004	Cobalt, total	mg/L	08/16/16 - 02/14/24	20	0	CI around median	0.0026	0.006	Standard	No Exceedance
G307	UA	E004	Fluoride, total	mg/L	08/16/16 - 02/14/24	20	5	CI around median	0.299	4.0	Standard	No Exceedance
G307	UA	E004	Lead, total	mg/L	08/16/16 - 02/14/24	19	42	CI around median	0.001	0.0075	Standard	No Exceedance
G307	UA	E004	Lithium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.0126	0.04	Standard	No Exceedance
G307	UA	E004	Mercury, total	mg/L	08/16/16 - 02/14/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
G307	UA	E004	Molybdenum, total	mg/L	08/16/16 - 02/14/24	19	10	CI around geomean	0.0011	0.1	Standard	No Exceedance
G307	UA	E004	pH (field)	SU	08/16/16 - 02/14/24	21	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G307	UA	E004	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 02/14/24	19	0	CI around mean	0.534	5	Standard	No Exceedance
G307	UA	E004	Selenium, total	mg/L	08/16/16 - 02/14/24	18	83	CI around median	0.001	0.05	Standard	No Exceedance
G307	UA	E004	Sulfate, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	426	400	Standard	Exceedance
G307	UA	E004	Thallium, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307	UA	E004	Total Dissolved Solids	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	896	1,200	Standard	No Exceedance
G307D	LCU	E004	Antimony, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.006	Standard	No Exceedance
G307D	LCU	E004	Arsenic, total	mg/L	03/29/21 - 02/14/24	10	20	CI around geomean	0.000898	0.010	Standard	No Exceedance
G307D	LCU	E004	Barium, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.0269	2.0	Standard	No Exceedance
G307D	LCU	E004	Beryllium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G307D	LCU	E004	Boron, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	1.16	3.20	Background	No Exceedance
G307D	LCU	E004	Cadmium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G307D	LCU	E004	Chloride, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	6.68	200	Standard	No Exceedance
G307D	LCU	E004	Chromium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307D	LCU	E004	Cobalt, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.006	Standard	No Exceedance
G307D	LCU	E004	Fluoride, total	mg/L	03/29/21 - 02/14/24	9	0	CI around mean	0.494	4.0	Standard	No Exceedance
G307D	LCU	E004	Lead, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G307D	LCU	E004	Lithium, total	mg/L	03/29/21 - 02/14/24	10	90	CB around T-S line	-0.00016	0.04	Standard	No Exceedance
G307D	LCU	E004	Mercury, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.0002	0.002	Standard	No Exceedance
G307D	LCU	E004	Molybdenum, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.00571	0.1	Standard	No Exceedance
G307D	LCU	E004	pH (field)	SU	03/29/21 - 02/14/24	10	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G307D	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/14/24	11	0	CI around geomean	0.21	5	Standard	No Exceedance
G307D	LCU	E004	Selenium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G307D	LCU	E004	Sulfate, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	497	400	Standard	Exceedance
G307D	LCU	E004	Thallium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307D	LCU	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	918	1,200	Standard	No Exceedance
G308	UA	E004	Antimony, total	mg/L	03/29/21 - 02/16/24	13	92	CB around T-S line	0.000812	0.006	Standard	No Exceedance
G308	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/16/24	13	85	CI around median	0.001	0.010	Standard	No Exceedance
G308	UA	E004	Barium, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	0.0207	2.0	Standard	No Exceedance
G308	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G308	UA	E004	Boron, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	2.44	3.20	Background	No Exceedance
G308	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G308	UA	E004	Chloride, total	mg/L	03/29/21 - 02/16/24	13	8	CB around T-S line	-0.0926	200	Standard	No Exceedance
G308	UA	E004	Chromium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0033	0.1	Standard	No Exceedance
G308	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/16/24	13	8	CI around geomean	0.511	4.0	Standard	No Exceedance
G308	UA	E004	Lead, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G308	UA	E004	Lithium, total	mg/L	03/29/21 - 02/16/24	13	77	CB around T-S line	0.00662	0.04	Standard	No Exceedance
G308	UA	E004	Mercury, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
G308	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/16/24	13	8	CI around median	0.0013	0.1	Standard	No Exceedance
G308	UA	E004	pH (field)	SU	03/29/21 - 02/16/24	13	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G308	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/16/24	12	0	CI around median	0.00738	5	Standard	No Exceedance
G308	UA	E004	Selenium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.001	0.05	Standard	No Exceedance
G308	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	824	400	Standard	Exceedance
G308	UA	E004	Thallium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G308	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	1,530	1,200	Standard	Exceedance
G310	UA	E004	Antimony, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G310	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/19/24	13	92	CI around median	0.001	0.010	Standard	No Exceedance
G310	UA	E004	Barium, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	0.015	2.0	Standard	No Exceedance
G310	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G310	UA	E004	Boron, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1.71	3.20	Background	No Exceedance
G310	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G310	UA	E004	Chloride, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	15	200	Standard	No Exceedance
G310	UA	E004	Chromium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00119	0.006	Standard	No Exceedance
G310	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/19/24	13	15	CI around mean	0.267	4.0	Standard	No Exceedance
G310	UA	E004	Lead, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G310	UA	E004	Lithium, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00451	0.04	Standard	No Exceedance
G310	UA	E004	Mercury, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G310	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E004	pH (field)	SU	03/29/21 - 02/19/24	13	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G310	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/19/24	12	0	CI around median	0	5	Standard	No Exceedance
G310	UA	E004	Selenium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G310	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/19/24	13	0	CB around T-S line	-1,940	400	Standard	No Exceedance
G310	UA	E004	Thallium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G310	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1,210	1,200	Standard	Exceedance
G312	UA	E004	Antimony, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G312	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G312	UA	E004	Barium, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	0.0247	2.0	Standard	No Exceedance
G312	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G312	UA	E004	Boron, total	mg/L	03/30/21 - 02/19/24	11	0	CI around geomean	1.45	3.20	Background	No Exceedance
G312	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G312	UA	E004	Chloride, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	21.7	200	Standard	No Exceedance
G312	UA	E004	Chromium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G312	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/19/24	11	27	CI around mean	0.00183	0.006	Standard	No Exceedance
G312	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/19/24	11	73	CI around median	0.22	4.0	Standard	No Exceedance
G312	UA	E004	Lead, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G312	UA	E004	Lithium, total	mg/L	03/30/21 - 02/19/24	11	64	CI around median	0.018	0.04	Standard	No Exceedance
G312	UA	E004	Mercury, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G312	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.1	Standard	No Exceedance
G312	UA	E004	pH (field)	SU	03/30/21 - 02/19/24	11	0	CI around median	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G312	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/19/24	10	0	CI around mean	0.243	5	Standard	No Exceedance
G312	UA	E004	Selenium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G312	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	728	400	Standard	Exceedance
G312	UA	E004	Thallium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G312	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	1,490	1,200	Standard	Exceedance
G313	UA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G313	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.010	Standard	No Exceedance
G313	UA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0187	2.0	Standard	No Exceedance
G313	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G313	UA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3.3	3.20	Background	Exceedance
G313	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G313	UA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around median	20	200	Standard	No Exceedance
G313	UA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G313	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.000716	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G313	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.239	4.0	Standard	No Exceedance
G313	UA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G313	UA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	38	CI around median	0.02	0.04	Standard	No Exceedance
G313	UA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G313	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	23	CI around geomean	0.00101	0.1	Standard	No Exceedance
G313	UA	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G313	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around mean	0.273	5	Standard	No Exceedance
G313	UA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G313	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CB around T-S line	-626	400	Standard	No Exceedance
G313	UA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G313	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	1,460	1,200	Standard	Exceedance
G314	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CB around T-S line	0.000727	0.006	Standard	No Exceedance
G314	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	69	CI around median	0.001	0.010	Standard	No Exceedance
G314	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0184	2.0	Standard	No Exceedance
G314	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around geomean	0.138	3.20	Background	No Exceedance
G314	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	31	200	Standard	No Exceedance
G314	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.0019	0.1	Standard	No Exceedance
G314	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.0032	0.006	Standard	No Exceedance
G314	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.201	4.0	Standard	No Exceedance
G314	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.0075	Standard	No Exceedance
G314	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.00586	0.04	Standard	No Exceedance
G314	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	8	CB around linear reg	-0.00373	0.1	Standard	No Exceedance
G314	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G314	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.495	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G314	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.05	Standard	No Exceedance
G314	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	2,000	400	Standard	Exceedance
G314	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3,430	1,200	Standard	Exceedance
G314D	DA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G314D	DA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	10	40	CI around median	0.001	0.010	Standard	No Exceedance
G314D	DA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.0307	2.0	Standard	No Exceedance
G314D	DA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314D	DA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.149	3.20	Background	No Exceedance
G314D	DA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314D	DA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	9	0	CB around linear reg	-5.42	200	Standard	No Exceedance
G314D	DA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G314D	DA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	10	60	CB around T-S line	0.002	0.006	Standard	No Exceedance
G314D	DA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	0.558	4.0	Standard	No Exceedance
G314D	DA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	10	80	CI around median	0.001	0.0075	Standard	No Exceedance
G314D	DA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	10	40	CB around linear reg	0.011	0.04	Standard	No Exceedance
G314D	DA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314D	DA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	10	0	CB around linear reg	-0.00692	0.1	Standard	No Exceedance
G314D	DA	E004	pH (field)	SU	03/30/21 - 02/13/24	10	0	CB around linear reg	6.6/7.0	6.5/9.0	Standard/Standard	No Exceedance
G314D	DA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	10	0	CI around geomean	1.51	5	Standard	No Exceedance
G314D	DA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G314D	DA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	816	400	Standard	Exceedance
G314D	DA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314D	DA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	1,900	1,200	Standard	Exceedance
G315	UA	E004	Antimony, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G315	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G315	UA	E004	Barium, total	mg/L	03/30/21 - 02/14/24	13	0	CI around mean	0.0201	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G315	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G315	UA	E004	Boron, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	1.2	3.20	Background	No Exceedance
G315	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G315	UA	E004	Chloride, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	-34.9	200	Standard	No Exceedance
G315	UA	E004	Chromium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/14/24	13	92	CB around T-S line	0.00103	0.006	Standard	No Exceedance
G315	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	0.261	4.0	Standard	No Exceedance
G315	UA	E004	Lead, total	mg/L	03/30/21 - 02/14/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
G315	UA	E004	Lithium, total	mg/L	03/30/21 - 02/14/24	13	77	CB around T-S line	0.00451	0.04	Standard	No Exceedance
G315	UA	E004	Mercury, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G315	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E004	pH (field)	SU	03/30/21 - 02/14/24	13	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
G315	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/14/24	12	0	CI around mean	0.129	5	Standard	No Exceedance
G315	UA	E004	Selenium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G315	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	272	400	Standard	No Exceedance
G315	UA	E004	Thallium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G315	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/14/24	13	0	CB around linear reg	507	1,200	Standard	No Exceedance
G316	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.0012	0.006	Standard	No Exceedance
G316	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0074	0.010	Standard	No Exceedance
G316	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0685	2.0	Standard	No Exceedance
G316	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G316	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.368	3.20	Background	No Exceedance
G316	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G316	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	25	200	Standard	No Exceedance
G316	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G316	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00217	0.006	Standard	No Exceedance
G316	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	46	CI around mean	0.251	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G316	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
G316	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G316	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G316	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00401	0.1	Standard	No Exceedance
G316	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G316	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.334	5	Standard	No Exceedance
G316	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G316	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	662	400	Standard	Exceedance
G316	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G316	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	1,600	1,200	Standard	Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Notes:
Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

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

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
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G301	UA	E005	Antimony, total	mg/L	11/20/15 - 05/06/24	19	90	CB around T-S line	0.00173	0.006	Standard	No Exceedance
G301	UA	E005	Arsenic, total	mg/L	11/20/15 - 05/06/24	24	67	CI around median	0.001	0.010	Standard	No Exceedance
G301	UA	E005	Barium, total	mg/L	11/20/15 - 05/06/24	24	0	CB around T-S line	-0.00901	2.0	Standard	No Exceedance
G301	UA	E005	Beryllium, total	mg/L	11/20/15 - 05/06/24	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G301	UA	E005	Boron, total	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	2.16	3.20	Background	No Exceedance
G301	UA	E005	Cadmium, total	mg/L	11/20/15 - 05/06/24	24	96	CI around median	0.001	0.005	Standard	No Exceedance
G301	UA	E005	Chloride, total	mg/L	11/20/15 - 05/06/24	25	0	CB around T-S line	6.33	200	Standard	No Exceedance
G301	UA	E005	Chromium, total	mg/L	11/20/15 - 05/06/24	24	62	CB around T-S line	0.000903	0.1	Standard	No Exceedance
G301	UA	E005	Cobalt, total	mg/L	11/20/15 - 05/06/24	24	29	CB around T-S line	0.000405	0.006	Standard	No Exceedance
G301	UA	E005	Fluoride, total	mg/L	11/20/15 - 05/06/24	25	32	CI around geomean	0.263	4.0	Standard	No Exceedance
G301	UA	E005	Lead, total	mg/L	11/20/15 - 05/06/24	24	50	CI around median	0.001	0.0075	Standard	No Exceedance
G301	UA	E005	Lithium, total	mg/L	11/20/15 - 05/06/24	24	54	CI around median	0.01	0.04	Standard	No Exceedance
G301	UA	E005	Mercury, total	mg/L	11/20/15 - 05/06/24	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G301	UA	E005	Molybdenum, total	mg/L	11/20/15 - 05/06/24	24	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G301	UA	E005	pH (field)	SU	11/20/15 - 05/06/24	25	0	CB around linear reg	6.3/6.8	6.5/9.0	Standard/Standard	No Exceedance
G301	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 05/06/24	24	0	CI around mean	0.491	5	Standard	No Exceedance
G301	UA	E005	Selenium, total	mg/L	11/20/15 - 05/06/24	23	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G301	UA	E005	Sulfate, total	mg/L	11/20/15 - 05/06/24	25	0	CB around linear reg	468	400	Standard	Exceedance
G301	UA	E005	Thallium, total	mg/L	11/20/15 - 05/06/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G301	UA	E005	Total Dissolved Solids	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	1,060	1,200	Standard	No Exceedance
G302	UA	E005	Antimony, total	mg/L	11/20/15 - 05/06/24	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G302	UA	E005	Arsenic, total	mg/L	11/20/15 - 05/06/24	24	25	CI around median	0.001	0.010	Standard	No Exceedance
G302	UA	E005	Barium, total	mg/L	11/20/15 - 05/06/24	24	0	CI around geomean	0.0289	2.0	Standard	No Exceedance
G302	UA	E005	Beryllium, total	mg/L	11/20/15 - 05/06/24	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G302	UA	E005	Boron, total	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	1.67	3.20	Background	No Exceedance
G302	UA	E005	Cadmium, total	mg/L	11/20/15 - 05/06/24	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G302	UA	E005	Chloride, total	mg/L	11/20/15 - 05/06/24	25	4	CI around mean	12.1	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G302	UA	E005	Chromium, total	mg/L	11/20/15 - 05/06/24	24	67	CB around T-S line	0.00203	0.1	Standard	No Exceedance
G302	UA	E005	Cobalt, total	mg/L	11/20/15 - 05/06/24	24	25	CI around median	0.002	0.006	Standard	No Exceedance
G302	UA	E005	Fluoride, total	mg/L	11/20/15 - 05/06/24	25	32	CI around median	0.25	4.0	Standard	No Exceedance
G302	UA	E005	Lead, total	mg/L	11/20/15 - 05/06/24	24	54	CI around median	0.001	0.0075	Standard	No Exceedance
G302	UA	E005	Lithium, total	mg/L	11/20/15 - 05/06/24	24	29	CB around linear reg	0.0115	0.04	Standard	No Exceedance
G302	UA	E005	Mercury, total	mg/L	11/20/15 - 05/06/24	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G302	UA	E005	Molybdenum, total	mg/L	11/20/15 - 05/06/24	24	50	CI around median	0.001	0.1	Standard	No Exceedance
G302	UA	E005	pH (field)	SU	11/20/15 - 05/06/24	25	0	CB around linear reg	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G302	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 05/06/24	24	0	CI around geomean	0.375	5	Standard	No Exceedance
G302	UA	E005	Selenium, total	mg/L	11/20/15 - 05/06/24	23	96	CI around median	0.001	0.05	Standard	No Exceedance
G302	UA	E005	Sulfate, total	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	381	400	Standard	No Exceedance
G302	UA	E005	Thallium, total	mg/L	11/20/15 - 05/06/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G302	UA	E005	Total Dissolved Solids	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	979	1,200	Standard	No Exceedance
G303	UA	E005	Antimony, total	mg/L	11/20/15 - 05/01/24	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G303	UA	E005	Arsenic, total	mg/L	11/20/15 - 05/01/24	24	4	CB around linear reg	-0.0024	0.010	Standard	No Exceedance
G303	UA	E005	Barium, total	mg/L	11/20/15 - 05/01/24	24	0	CI around median	0.0156	2.0	Standard	No Exceedance
G303	UA	E005	Beryllium, total	mg/L	11/20/15 - 05/01/24	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G303	UA	E005	Boron, total	mg/L	11/20/15 - 05/01/24	25	0	CB around T-S line	1.68	3.20	Background	No Exceedance
G303	UA	E005	Cadmium, total	mg/L	11/20/15 - 05/01/24	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G303	UA	E005	Chloride, total	mg/L	11/20/15 - 05/01/24	25	0	CB around linear reg	25.3	200	Standard	No Exceedance
G303	UA	E005	Chromium, total	mg/L	11/20/15 - 05/01/24	24	88	CB around T-S line	0.00195	0.1	Standard	No Exceedance
G303	UA	E005	Cobalt, total	mg/L	11/20/15 - 05/01/24	24	29	CI around geomean	0.00159	0.006	Standard	No Exceedance
G303	UA	E005	Fluoride, total	mg/L	11/20/15 - 05/01/24	25	20	CI around mean	0.267	4.0	Standard	No Exceedance
G303	UA	E005	Lead, total	mg/L	11/20/15 - 05/01/24	24	83	CI around median	0.001	0.0075	Standard	No Exceedance
G303	UA	E005	Lithium, total	mg/L	11/20/15 - 05/01/24	24	0	CB around linear reg	0.0147	0.04	Standard	No Exceedance
G303	UA	E005	Mercury, total	mg/L	11/20/15 - 05/01/24	19	90	CI around median	0.0002	0.002	Standard	No Exceedance
G303	UA	E005	Molybdenum, total	mg/L	11/20/15 - 05/01/24	24	0	CI around mean	0.00175	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G303	UA	E005	pH (field)	SU	11/20/15 - 05/01/24	25	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G303	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 05/01/24	24	0	CI around mean	0.558	5	Standard	No Exceedance
G303	UA	E005	Selenium, total	mg/L	11/20/15 - 05/01/24	23	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G303	UA	E005	Sulfate, total	mg/L	11/20/15 - 05/01/24	25	0	CB around linear reg	595	400	Standard	Exceedance
G303	UA	E005	Thallium, total	mg/L	11/20/15 - 05/01/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G303	UA	E005	Total Dissolved Solids	mg/L	11/20/15 - 05/01/24	25	0	CI around mean	1,520	1,200	Standard	Exceedance
G305	UA	E005	Antimony, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G305	UA	E005	Arsenic, total	mg/L	05/19/16 - 05/01/24	11	64	CI around median	0.001	0.010	Standard	No Exceedance
G305	UA	E005	Barium, total	mg/L	05/19/16 - 05/01/24	11	0	CB around T-S line	-0.183	2.0	Standard	No Exceedance
G305	UA	E005	Beryllium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G305	UA	E005	Boron, total	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	2.08	3.20	Background	No Exceedance
G305	UA	E005	Cadmium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G305	UA	E005	Chloride, total	mg/L	05/19/16 - 05/01/24	11	0	CI around geomean	19.1	200	Standard	No Exceedance
G305	UA	E005	Chromium, total	mg/L	05/19/16 - 05/01/24	11	54	CI around median	0.0015	0.1	Standard	No Exceedance
G305	UA	E005	Cobalt, total	mg/L	05/19/16 - 05/01/24	11	73	CI around median	0.001	0.006	Standard	No Exceedance
G305	UA	E005	Fluoride, total	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	0.372	4.0	Standard	No Exceedance
G305	UA	E005	Lead, total	mg/L	05/19/16 - 05/01/24	11	27	CI around median	0.001	0.0075	Standard	No Exceedance
G305	UA	E005	Lithium, total	mg/L	05/19/16 - 05/01/24	11	36	CB around T-S line	-0.098	0.04	Standard	No Exceedance
G305	UA	E005	Mercury, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G305	UA	E005	Molybdenum, total	mg/L	05/19/16 - 05/01/24	11	54	CI around median	0.001	0.1	Standard	No Exceedance
G305	UA	E005	pH (field)	SU	05/19/16 - 05/01/24	11	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
G305	UA	E005	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 05/01/24	11	0	CI around geomean	0.336	5	Standard	No Exceedance
G305	UA	E005	Selenium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G305	UA	E005	Sulfate, total	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	805	400	Standard	Exceedance
G305	UA	E005	Thallium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G305	UA	E005	Total Dissolved Solids	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	1,370	1,200	Standard	Exceedance
G307	UA	E005	Antimony, total	mg/L	08/16/16 - 05/02/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307	UA	E005	Arsenic, total	mg/L	08/16/16 - 05/02/24	20	55	CI around median	0.001	0.010	Standard	No Exceedance
G307	UA	E005	Barium, total	mg/L	08/16/16 - 05/02/24	20	0	CI around geomean	0.0309	2.0	Standard	No Exceedance
G307	UA	E005	Beryllium, total	mg/L	08/16/16 - 05/02/24	19	95	CI around median	0.001	0.004	Standard	No Exceedance
G307	UA	E005	Boron, total	mg/L	08/16/16 - 05/02/24	21	0	CI around mean	2.01	3.20	Background	No Exceedance
G307	UA	E005	Cadmium, total	mg/L	08/16/16 - 05/02/24	20	55	CI around median	0.001	0.005	Standard	No Exceedance
G307	UA	E005	Chloride, total	mg/L	08/16/16 - 05/02/24	21	0	CB around linear reg	7.83	200	Standard	No Exceedance
G307	UA	E005	Chromium, total	mg/L	08/16/16 - 05/02/24	20	45	CI around median	0.004	0.1	Standard	No Exceedance
G307	UA	E005	Cobalt, total	mg/L	08/16/16 - 05/02/24	21	0	CI around median	0.0026	0.006	Standard	No Exceedance
G307	UA	E005	Fluoride, total	mg/L	08/16/16 - 05/02/24	21	5	CI around median	0.323	4.0	Standard	No Exceedance
G307	UA	E005	Lead, total	mg/L	08/16/16 - 05/02/24	20	40	CI around median	0.001	0.0075	Standard	No Exceedance
G307	UA	E005	Lithium, total	mg/L	08/16/16 - 05/02/24	20	45	CI around median	0.012	0.04	Standard	No Exceedance
G307	UA	E005	Mercury, total	mg/L	08/16/16 - 05/02/24	15	87	CI around median	0.0002	0.002	Standard	No Exceedance
G307	UA	E005	Molybdenum, total	mg/L	08/16/16 - 05/02/24	20	15	CI around geomean	0.00107	0.1	Standard	No Exceedance
G307	UA	E005	pH (field)	SU	08/16/16 - 05/02/24	22	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G307	UA	E005	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 05/02/24	20	0	CI around mean	0.568	5	Standard	No Exceedance
G307	UA	E005	Selenium, total	mg/L	08/16/16 - 05/02/24	19	84	CI around median	0.001	0.05	Standard	No Exceedance
G307	UA	E005	Sulfate, total	mg/L	08/16/16 - 05/02/24	21	0	CB around linear reg	406	400	Standard	Exceedance
G307	UA	E005	Thallium, total	mg/L	08/16/16 - 05/02/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307	UA	E005	Total Dissolved Solids	mg/L	08/16/16 - 05/02/24	21	0	CB around linear reg	887	1,200	Standard	No Exceedance
G307D	LCU	E005	Antimony, total	mg/L	03/29/21 - 05/02/24	11	91	CB around T-S line	0.000428	0.006	Standard	No Exceedance
G307D	LCU	E005	Arsenic, total	mg/L	03/29/21 - 05/02/24	11	18	CI around geomean	0.000956	0.010	Standard	No Exceedance
G307D	LCU	E005	Barium, total	mg/L	03/29/21 - 05/02/24	11	0	CB around linear reg	0.0123	2.0	Standard	No Exceedance
G307D	LCU	E005	Beryllium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G307D	LCU	E005	Boron, total	mg/L	03/29/21 - 05/02/24	11	0	CI around mean	1.22	3.20	Background	No Exceedance
G307D	LCU	E005	Cadmium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G307D	LCU	E005	Chloride, total	mg/L	03/29/21 - 05/02/24	10	0	CB around linear reg	6.54	200	Standard	No Exceedance
G307D	LCU	E005	Chromium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307D	LCU	E005	Cobalt, total	mg/L	03/29/21 - 05/02/24	11	91	CB around T-S line	0.000714	0.006	Standard	No Exceedance
G307D	LCU	E005	Fluoride, total	mg/L	03/29/21 - 05/02/24	10	0	CI around mean	0.493	4.0	Standard	No Exceedance
G307D	LCU	E005	Lead, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G307D	LCU	E005	Lithium, total	mg/L	03/29/21 - 05/02/24	11	91	CB around T-S line	-0.00209	0.04	Standard	No Exceedance
G307D	LCU	E005	Mercury, total	mg/L	03/29/21 - 05/02/24	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
G307D	LCU	E005	Molybdenum, total	mg/L	03/29/21 - 05/02/24	11	0	CI around mean	0.00551	0.1	Standard	No Exceedance
G307D	LCU	E005	pH (field)	SU	03/29/21 - 05/02/24	11	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G307D	LCU	E005	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 05/02/24	12	0	CI around geomean	0.223	5	Standard	No Exceedance
G307D	LCU	E005	Selenium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G307D	LCU	E005	Sulfate, total	mg/L	03/29/21 - 05/02/24	10	0	CB around linear reg	491	400	Standard	Exceedance
G307D	LCU	E005	Thallium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307D	LCU	E005	Total Dissolved Solids	mg/L	03/29/21 - 05/02/24	10	0	CB around linear reg	906	1,200	Standard	No Exceedance
G308	UA	E005	Antimony, total	mg/L	03/29/21 - 05/02/24	14	93	CB around T-S line	0.000655	0.006	Standard	No Exceedance
G308	UA	E005	Arsenic, total	mg/L	03/29/21 - 05/02/24	14	86	CI around median	0.001	0.010	Standard	No Exceedance
G308	UA	E005	Barium, total	mg/L	03/29/21 - 05/02/24	14	0	CI around mean	0.0201	2.0	Standard	No Exceedance
G308	UA	E005	Beryllium, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G308	UA	E005	Boron, total	mg/L	03/29/21 - 05/02/24	14	0	CI around geomean	2.44	3.20	Background	No Exceedance
G308	UA	E005	Cadmium, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G308	UA	E005	Chloride, total	mg/L	03/29/21 - 05/02/24	14	7	CB around T-S line	5.79	200	Standard	No Exceedance
G308	UA	E005	Chromium, total	mg/L	03/29/21 - 05/02/24	14	93	CB around T-S line	0.00134	0.1	Standard	No Exceedance
G308	UA	E005	Cobalt, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E005	Fluoride, total	mg/L	03/29/21 - 05/02/24	14	7	CI around geomean	0.516	4.0	Standard	No Exceedance
G308	UA	E005	Lead, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G308	UA	E005	Lithium, total	mg/L	03/29/21 - 05/02/24	14	71	CB around T-S line	0.00504	0.04	Standard	No Exceedance
G308	UA	E005	Mercury, total	mg/L	03/29/21 - 05/02/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
G308	UA	E005	Molybdenum, total	mg/L	03/29/21 - 05/02/24	14	14	CI around median	0.0012	0.1	Standard	No Exceedance
G308	UA	E005	pH (field)	SU	03/29/21 - 05/02/24	14	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G308	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 05/02/24	13	0	CI around median	0.0476	5	Standard	No Exceedance
G308	UA	E005	Selenium, total	mg/L	03/29/21 - 05/02/24	14	93	CI around median	0.001	0.05	Standard	No Exceedance
G308	UA	E005	Sulfate, total	mg/L	03/29/21 - 05/02/24	14	0	CB around linear reg	824	400	Standard	Exceedance
G308	UA	E005	Thallium, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G308	UA	E005	Total Dissolved Solids	mg/L	03/29/21 - 05/02/24	14	0	CB around linear reg	1,470	1,200	Standard	Exceedance
G310	UA	E005	Antimony, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G310	UA	E005	Arsenic, total	mg/L	03/29/21 - 05/03/24	14	93	CI around median	0.001	0.010	Standard	No Exceedance
G310	UA	E005	Barium, total	mg/L	03/29/21 - 05/03/24	14	0	CI around mean	0.0148	2.0	Standard	No Exceedance
G310	UA	E005	Beryllium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G310	UA	E005	Boron, total	mg/L	03/29/21 - 05/03/24	14	0	CI around mean	1.72	3.20	Background	No Exceedance
G310	UA	E005	Cadmium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G310	UA	E005	Chloride, total	mg/L	03/29/21 - 05/03/24	14	0	CB around linear reg	8.84	200	Standard	No Exceedance
G310	UA	E005	Chromium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E005	Cobalt, total	mg/L	03/29/21 - 05/03/24	14	71	CB around T-S line	0.00107	0.006	Standard	No Exceedance
G310	UA	E005	Fluoride, total	mg/L	03/29/21 - 05/03/24	14	14	CI around median	0.252	4.0	Standard	No Exceedance
G310	UA	E005	Lead, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G310	UA	E005	Lithium, total	mg/L	03/29/21 - 05/03/24	14	71	CB around T-S line	0.00338	0.04	Standard	No Exceedance
G310	UA	E005	Mercury, total	mg/L	03/29/21 - 05/03/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
G310	UA	E005	Molybdenum, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E005	pH (field)	SU	03/29/21 - 05/03/24	14	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G310	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 05/03/24	13	0	CI around median	0.0501	5	Standard	No Exceedance
G310	UA	E005	Selenium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G310	UA	E005	Sulfate, total	mg/L	03/29/21 - 05/03/24	14	0	CB around T-S line	-1,000	400	Standard	No Exceedance
G310	UA	E005	Thallium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G310	UA	E005	Total Dissolved Solids	mg/L	03/29/21 - 05/03/24	14	0	CI around mean	1,170	1,200	Standard	No Exceedance
G312	UA	E005	Antimony, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G312	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/06/24	12	92	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G312	UA	E005	Barium, total	mg/L	03/30/21 - 05/06/24	12	0	CI around mean	0.0246	2.0	Standard	No Exceedance
G312	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G312	UA	E005	Boron, total	mg/L	03/30/21 - 05/06/24	12	0	CB around linear reg	1.87	3.20	Background	No Exceedance
G312	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G312	UA	E005	Chloride, total	mg/L	03/30/21 - 05/06/24	12	0	CI around mean	22.2	200	Standard	No Exceedance
G312	UA	E005	Chromium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G312	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/06/24	12	25	CI around mean	0.00191	0.006	Standard	No Exceedance
G312	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/06/24	12	67	CI around median	0.21	4.0	Standard	No Exceedance
G312	UA	E005	Lead, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G312	UA	E005	Lithium, total	mg/L	03/30/21 - 05/06/24	12	58	CI around median	0.018	0.04	Standard	No Exceedance
G312	UA	E005	Mercury, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G312	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/06/24	12	92	CI around median	0.001	0.1	Standard	No Exceedance
G312	UA	E005	pH (field)	SU	03/30/21 - 05/06/24	12	0	CI around mean	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G312	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 05/06/24	11	0	CI around mean	0.254	5	Standard	No Exceedance
G312	UA	E005	Selenium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G312	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/06/24	12	0	CI around mean	745	400	Standard	Exceedance
G312	UA	E005	Thallium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G312	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/06/24	12	0	CB around linear reg	1,500	1,200	Standard	Exceedance
G313	UA	E005	Antimony, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G313	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/01/24	14	86	CI around median	0.001	0.010	Standard	No Exceedance
G313	UA	E005	Barium, total	mg/L	03/30/21 - 05/01/24	14	0	CB around linear reg	0.0146	2.0	Standard	No Exceedance
G313	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G313	UA	E005	Boron, total	mg/L	03/30/21 - 05/01/24	14	0	CI around median	3.3	3.20	Background	Exceedance
G313	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G313	UA	E005	Chloride, total	mg/L	03/30/21 - 05/01/24	14	7	CB around T-S line	17.2	200	Standard	No Exceedance
G313	UA	E005	Chromium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G313	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/01/24	14	79	CB around T-S line	0.000624	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G313	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/01/24	14	7	CI around mean	0.243	4.0	Standard	No Exceedance
G313	UA	E005	Lead, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G313	UA	E005	Lithium, total	mg/L	03/30/21 - 05/01/24	14	36	CI around median	0.02	0.04	Standard	No Exceedance
G313	UA	E005	Mercury, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G313	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/01/24	14	29	CI around geomean	0.00102	0.1	Standard	No Exceedance
G313	UA	E005	pH (field)	SU	03/30/21 - 05/01/24	14	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G313	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 05/01/24	13	0	CI around mean	0.246	5	Standard	No Exceedance
G313	UA	E005	Selenium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G313	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/01/24	14	0	CB around T-S line	-469	400	Standard	No Exceedance
G313	UA	E005	Thallium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G313	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/01/24	14	0	CB around linear reg	1,260	1,200	Standard	Exceedance
G314	LCU	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	14	93	CB around T-S line	0.000587	0.006	Standard	No Exceedance
G314	LCU	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	14	71	CI around median	0.001	0.010	Standard	No Exceedance
G314	LCU	E005	Barium, total	mg/L	03/30/21 - 04/30/24	14	0	CB around T-S line	-0.0568	2.0	Standard	No Exceedance
G314	LCU	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314	LCU	E005	Boron, total	mg/L	03/30/21 - 04/30/24	14	0	CI around geomean	0.138	3.20	Background	No Exceedance
G314	LCU	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314	LCU	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	31	200	Standard	No Exceedance
G314	LCU	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	14	79	CI around median	0.0019	0.1	Standard	No Exceedance
G314	LCU	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	14	7	CI around mean	0.00306	0.006	Standard	No Exceedance
G314	LCU	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	14	71	CB around T-S line	0.202	4.0	Standard	No Exceedance
G314	LCU	E005	Lead, total	mg/L	03/30/21 - 04/30/24	14	86	CI around median	0.001	0.0075	Standard	No Exceedance
G314	LCU	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	14	71	CB around T-S line	0.0047	0.04	Standard	No Exceedance
G314	LCU	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314	LCU	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	14	7	CB around linear reg	-0.00348	0.1	Standard	No Exceedance
G314	LCU	E005	pH (field)	SU	03/30/21 - 04/30/24	14	0	CI around mean	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G314	LCU	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	13	0	CI around geomean	0.509	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G314	LCU	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	14	86	CI around median	0.001	0.05	Standard	No Exceedance
G314	LCU	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	2,000	400	Standard	Exceedance
G314	LCU	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314	LCU	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	14	0	CI around median	3,430	1,200	Standard	Exceedance
G314D	DA	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G314D	DA	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	11	46	CI around median	0.001	0.010	Standard	No Exceedance
G314D	DA	E005	Barium, total	mg/L	03/30/21 - 04/30/24	11	0	CB around T-S line	0.00208	2.0	Standard	No Exceedance
G314D	DA	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314D	DA	E005	Boron, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.154	3.20	Background	No Exceedance
G314D	DA	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314D	DA	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	10	0	CB around linear reg	-1.33	200	Standard	No Exceedance
G314D	DA	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G314D	DA	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	11	64	CI around median	0.002	0.006	Standard	No Exceedance
G314D	DA	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	10	0	CB around linear reg	0.349	4.0	Standard	No Exceedance
G314D	DA	E005	Lead, total	mg/L	03/30/21 - 04/30/24	11	82	CI around median	0.001	0.0075	Standard	No Exceedance
G314D	DA	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	11	36	CB around linear reg	0.0105	0.04	Standard	No Exceedance
G314D	DA	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314D	DA	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	-0.00623	0.1	Standard	No Exceedance
G314D	DA	E005	pH (field)	SU	03/30/21 - 04/30/24	11	0	CB around linear reg	6.6/7.0	6.5/9.0	Standard/Standard	No Exceedance
G314D	DA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	11	0	CI around geomean	1.36	5	Standard	No Exceedance
G314D	DA	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G314D	DA	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	10	0	CI around mean	846	400	Standard	Exceedance
G314D	DA	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314D	DA	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	10	0	CI around median	1,800	1,200	Standard	Exceedance
G315	UA	E005	Antimony, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G315	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G315	UA	E005	Barium, total	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	-0.00244	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G315	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G315	UA	E005	Boron, total	mg/L	03/30/21 - 05/02/24	14	0	CI around median	1.2	3.20	Background	No Exceedance
G315	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G315	UA	E005	Chloride, total	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	-33.5	200	Standard	No Exceedance
G315	UA	E005	Chromium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/02/24	14	93	CB around T-S line	0.000845	0.006	Standard	No Exceedance
G315	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/02/24	14	0	CI around median	0.261	4.0	Standard	No Exceedance
G315	UA	E005	Lead, total	mg/L	03/30/21 - 05/02/24	14	93	CI around median	0.001	0.0075	Standard	No Exceedance
G315	UA	E005	Lithium, total	mg/L	03/30/21 - 05/02/24	14	71	CB around T-S line	0.00334	0.04	Standard	No Exceedance
G315	UA	E005	Mercury, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G315	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E005	pH (field)	SU	03/30/21 - 05/02/24	14	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
G315	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 05/02/24	13	0	CI around mean	0.121	5	Standard	No Exceedance
G315	UA	E005	Selenium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G315	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	221	400	Standard	No Exceedance
G315	UA	E005	Thallium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G315	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	196	1,200	Standard	No Exceedance
G316	LCU	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	14	93	CB around T-S line	0.000593	0.006	Standard	No Exceedance
G316	LCU	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.00725	0.010	Standard	No Exceedance
G316	LCU	E005	Barium, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.0664	2.0	Standard	No Exceedance
G316	LCU	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G316	LCU	E005	Boron, total	mg/L	03/30/21 - 04/30/24	14	0	CI around mean	0.368	3.20	Background	No Exceedance
G316	LCU	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G316	LCU	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	24	200	Standard	No Exceedance
G316	LCU	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G316	LCU	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.00222	0.006	Standard	No Exceedance
G316	LCU	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	14	43	CI around median	0.25	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G316	LCU	E005	Lead, total	mg/L	03/30/21 - 04/30/24	14	93	CI around median	0.001	0.0075	Standard	No Exceedance
G316	LCU	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G316	LCU	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G316	LCU	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.0039	0.1	Standard	No Exceedance
G316	LCU	E005	pH (field)	SU	03/30/21 - 04/30/24	14	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G316	LCU	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	13	0	CI around geomean	0.369	5	Standard	No Exceedance
G316	LCU	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G316	LCU	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	662	400	Standard	Exceedance
G316	LCU	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G316	LCU	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	14	0	CI around median	1,600	1,200	Standard	Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Notes:
Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

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

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
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G301	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	90	CB around T-S line	0.00168	0.006	Standard	No Exceedance
G301	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	68	CI around median	0.001	0.010	Standard	No Exceedance
G301	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CB around T-S line	-0.0135	2.0	Standard	No Exceedance
G301	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G301	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	2.16	3.20	Background	No Exceedance
G301	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	96	CI around median	0.001	0.005	Standard	No Exceedance
G301	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	0	CB around T-S line	6.16	200	Standard	No Exceedance
G301	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	64	CB around T-S line	0.000572	0.1	Standard	No Exceedance
G301	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	28	CB around T-S line	0.00019	0.006	Standard	No Exceedance
G301	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	4.0	Standard	No Exceedance
G301	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	52	CB around T-S line	-0.000324	0.0075	Standard	No Exceedance
G301	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.01	0.04	Standard	No Exceedance
G301	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G301	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G301	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.3/6.7	6.5/9.0	Standard/Standard	No Exceedance
G301	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around mean	0.502	5	Standard	No Exceedance
G301	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G301	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	453	400	Standard	Exceedance
G301	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G301	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	862	1,200	Standard	No Exceedance
G302	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G302	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.001	0.010	Standard	No Exceedance
G302	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.029	2.0	Standard	No Exceedance
G302	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G302	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	1.69	3.20	Background	No Exceedance
G302	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G302	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	4	CI around mean	12.3	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G302	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	68	CB around T-S line	0.00197	0.1	Standard	No Exceedance
G302	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.002	0.006	Standard	No Exceedance
G302	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	4.0	Standard	No Exceedance
G302	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	56	CI around median	0.001	0.0075	Standard	No Exceedance
G302	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	28	CB around linear reg	0.0112	0.04	Standard	No Exceedance
G302	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G302	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.001	0.1	Standard	No Exceedance
G302	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G302	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.381	5	Standard	No Exceedance
G302	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	96	CI around median	0.001	0.05	Standard	No Exceedance
G302	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	386	400	Standard	No Exceedance
G302	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G302	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	989	1,200	Standard	No Exceedance
G303	UA	E006	Antimony, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G303	UA	E006	Arsenic, total	mg/L	11/20/15 - 07/31/24	25	4	CB around T-S line	-0.00359	0.010	Standard	No Exceedance
G303	UA	E006	Barium, total	mg/L	11/20/15 - 07/31/24	25	0	CI around median	0.0156	2.0	Standard	No Exceedance
G303	UA	E006	Beryllium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G303	UA	E006	Boron, total	mg/L	11/20/15 - 07/31/24	26	0	CB around T-S line	1.78	3.20	Background	No Exceedance
G303	UA	E006	Cadmium, total	mg/L	11/20/15 - 07/31/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G303	UA	E006	Chloride, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	25.4	200	Standard	No Exceedance
G303	UA	E006	Chromium, total	mg/L	11/20/15 - 07/31/24	25	84	CB around T-S line	0.00166	0.1	Standard	No Exceedance
G303	UA	E006	Cobalt, total	mg/L	11/20/15 - 07/31/24	25	28	CI around geomean	0.00162	0.006	Standard	No Exceedance
G303	UA	E006	Fluoride, total	mg/L	11/20/15 - 07/31/24	26	23	CI around median	0.268	4.0	Standard	No Exceedance
G303	UA	E006	Lead, total	mg/L	11/20/15 - 07/31/24	25	84	CI around median	0.001	0.0075	Standard	No Exceedance
G303	UA	E006	Lithium, total	mg/L	11/20/15 - 07/31/24	25	0	CB around linear reg	0.0151	0.04	Standard	No Exceedance
G303	UA	E006	Mercury, total	mg/L	11/20/15 - 07/31/24	20	90	CI around median	0.0002	0.002	Standard	No Exceedance
G303	UA	E006	Molybdenum, total	mg/L	11/20/15 - 07/31/24	25	0	CI around mean	0.00177	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G303	UA	E006	pH (field)	SU	11/20/15 - 07/31/24	26	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G303	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 07/31/24	25	0	CI around geomean	0.499	5	Standard	No Exceedance
G303	UA	E006	Selenium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G303	UA	E006	Sulfate, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	605	400	Standard	Exceedance
G303	UA	E006	Thallium, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G303	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 07/31/24	26	0	CI around mean	1,530	1,200	Standard	Exceedance
G305	UA	E006	Antimony, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G305	UA	E006	Arsenic, total	mg/L	05/19/16 - 08/01/24	12	67	CI around median	0.001	0.010	Standard	No Exceedance
G305	UA	E006	Barium, total	mg/L	05/19/16 - 08/01/24	12	0	CB around T-S line	-0.0338	2.0	Standard	No Exceedance
G305	UA	E006	Beryllium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G305	UA	E006	Boron, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	2.09	3.20	Background	No Exceedance
G305	UA	E006	Cadmium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G305	UA	E006	Chloride, total	mg/L	05/19/16 - 08/01/24	12	0	CI around geomean	19.2	200	Standard	No Exceedance
G305	UA	E006	Chromium, total	mg/L	05/19/16 - 08/01/24	12	58	CB around T-S line	-0.0205	0.1	Standard	No Exceedance
G305	UA	E006	Cobalt, total	mg/L	05/19/16 - 08/01/24	12	75	CB around T-S line	-0.00239	0.006	Standard	No Exceedance
G305	UA	E006	Fluoride, total	mg/L	05/19/16 - 08/01/24	12	8	CI around mean	0.35	4.0	Standard	No Exceedance
G305	UA	E006	Lead, total	mg/L	05/19/16 - 08/01/24	12	33	CI around median	0.001	0.0075	Standard	No Exceedance
G305	UA	E006	Lithium, total	mg/L	05/19/16 - 08/01/24	12	33	CB around T-S line	-0.0022	0.04	Standard	No Exceedance
G305	UA	E006	Mercury, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G305	UA	E006	Molybdenum, total	mg/L	05/19/16 - 08/01/24	12	58	CI around median	0.001	0.1	Standard	No Exceedance
G305	UA	E006	pH (field)	SU	05/19/16 - 08/01/24	12	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
G305	UA	E006	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 08/01/24	12	0	CI around geomean	0.29	5	Standard	No Exceedance
G305	UA	E006	Selenium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G305	UA	E006	Sulfate, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	814	400	Standard	Exceedance
G305	UA	E006	Thallium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G305	UA	E006	Total Dissolved Solids	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	1,380	1,200	Standard	Exceedance
G307	UA	E006	Antimony, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307	UA	E006	Arsenic, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.010	Standard	No Exceedance
G307	UA	E006	Barium, total	mg/L	08/16/16 - 08/01/24	21	0	CI around geomean	0.0304	2.0	Standard	No Exceedance
G307	UA	E006	Beryllium, total	mg/L	08/16/16 - 08/01/24	20	95	CI around median	0.001	0.004	Standard	No Exceedance
G307	UA	E006	Boron, total	mg/L	08/16/16 - 08/01/24	22	0	CI around mean	2.01	3.20	Background	No Exceedance
G307	UA	E006	Cadmium, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.005	Standard	No Exceedance
G307	UA	E006	Chloride, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	7.75	200	Standard	No Exceedance
G307	UA	E006	Chromium, total	mg/L	08/16/16 - 08/01/24	21	48	CI around geomean	0.00188	0.1	Standard	No Exceedance
G307	UA	E006	Cobalt, total	mg/L	08/16/16 - 08/01/24	22	0	CI around median	0.0026	0.006	Standard	No Exceedance
G307	UA	E006	Fluoride, total	mg/L	08/16/16 - 08/01/24	22	9	CI around median	0.299	4.0	Standard	No Exceedance
G307	UA	E006	Lead, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.001	0.0075	Standard	No Exceedance
G307	UA	E006	Lithium, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.012	0.04	Standard	No Exceedance
G307	UA	E006	Mercury, total	mg/L	08/16/16 - 08/01/24	16	88	CI around median	0.0002	0.002	Standard	No Exceedance
G307	UA	E006	Molybdenum, total	mg/L	08/16/16 - 08/01/24	21	19	CI around median	0.0013	0.1	Standard	No Exceedance
G307	UA	E006	pH (field)	SU	08/16/16 - 08/01/24	23	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G307	UA	E006	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 08/01/24	21	0	CI around mean	0.598	5	Standard	No Exceedance
G307	UA	E006	Selenium, total	mg/L	08/16/16 - 08/01/24	20	85	CI around median	0.001	0.05	Standard	No Exceedance
G307	UA	E006	Sulfate, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	390	400	Standard	No Exceedance
G307	UA	E006	Thallium, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307	UA	E006	Total Dissolved Solids	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	863	1,200	Standard	No Exceedance
G307D	LCU	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000368	0.006	Standard	No Exceedance
G307D	LCU	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	12	17	CI around median	0.001	0.010	Standard	No Exceedance
G307D	LCU	E006	Barium, total	mg/L	03/29/21 - 08/01/24	12	0	CB around T-S line	-0.0277	2.0	Standard	No Exceedance
G307D	LCU	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G307D	LCU	E006	Boron, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	1.27	3.20	Background	No Exceedance
G307D	LCU	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G307D	LCU	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	6.13	200	Standard	No Exceedance
G307D	LCU	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307D	LCU	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000676	0.006	Standard	No Exceedance
G307D	LCU	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	11	9	CI around mean	0.44	4.0	Standard	No Exceedance
G307D	LCU	E006	Lead, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G307D	LCU	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	-0.0027	0.04	Standard	No Exceedance
G307D	LCU	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
G307D	LCU	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	0.00505	0.1	Standard	No Exceedance
G307D	LCU	E006	pH (field)	SU	03/29/21 - 08/01/24	12	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G307D	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	13	0	CI around geomean	0.255	5	Standard	No Exceedance
G307D	LCU	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G307D	LCU	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	482	400	Standard	Exceedance
G307D	LCU	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307D	LCU	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	880	1,200	Standard	No Exceedance
G308	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000351	0.006	Standard	No Exceedance
G308	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	87	CI around median	0.001	0.010	Standard	No Exceedance
G308	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0197	2.0	Standard	No Exceedance
G308	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G308	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around geomean	2.46	3.20	Background	No Exceedance
G308	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G308	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	7	CB around T-S line	5.31	200	Standard	No Exceedance
G308	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000715	0.1	Standard	No Exceedance
G308	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	7	CI around median	0.481	4.0	Standard	No Exceedance
G308	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G308	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00355	0.04	Standard	No Exceedance
G308	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
G308	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	13	CI around mean	0.00113	0.1	Standard	No Exceedance
G308	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G308	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0476	5	Standard	No Exceedance
G308	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.05	Standard	No Exceedance
G308	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	804	400	Standard	Exceedance
G308	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G308	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	1,440	1,200	Standard	Exceedance
G310	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G310	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.010	Standard	No Exceedance
G310	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0148	2.0	Standard	No Exceedance
G310	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G310	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	1.73	3.20	Background	No Exceedance
G310	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G310	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	8.5	200	Standard	No Exceedance
G310	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.000986	0.006	Standard	No Exceedance
G310	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	20	CI around geomean	0.268	4.0	Standard	No Exceedance
G310	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G310	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00208	0.04	Standard	No Exceedance
G310	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
G310	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G310	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0501	5	Standard	No Exceedance
G310	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G310	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around T-S line	-1,100	400	Standard	No Exceedance
G310	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G310	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	851	1,200	Standard	No Exceedance
G312	UA	E006	Antimony, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G312	UA	E006	Arsenic, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G312	UA	E006	Barium, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	0.0248	2.0	Standard	No Exceedance
G312	UA	E006	Beryllium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G312	UA	E006	Boron, total	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	2.31	3.20	Background	No Exceedance
G312	UA	E006	Cadmium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G312	UA	E006	Chloride, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	22.6	200	Standard	No Exceedance
G312	UA	E006	Chromium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G312	UA	E006	Cobalt, total	mg/L	03/30/21 - 08/05/24	13	23	CI around mean	0.00189	0.006	Standard	No Exceedance
G312	UA	E006	Fluoride, total	mg/L	03/30/21 - 08/05/24	13	69	CI around median	0.22	4.0	Standard	No Exceedance
G312	UA	E006	Lead, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G312	UA	E006	Lithium, total	mg/L	03/30/21 - 08/05/24	13	54	CI around median	0.0188	0.04	Standard	No Exceedance
G312	UA	E006	Mercury, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G312	UA	E006	Molybdenum, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.1	Standard	No Exceedance
G312	UA	E006	pH (field)	SU	03/30/21 - 08/05/24	13	0	CI around mean	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G312	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/05/24	12	0	CI around mean	0.228	5	Standard	No Exceedance
G312	UA	E006	Selenium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G312	UA	E006	Sulfate, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	758	400	Standard	Exceedance
G312	UA	E006	Thallium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G312	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	1,600	1,200	Standard	Exceedance
G313	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G313	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.010	Standard	No Exceedance
G313	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0147	2.0	Standard	No Exceedance
G313	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G313	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3.3	3.20	Background	Exceedance
G313	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G313	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	7	CB around T-S line	16.7	200	Standard	No Exceedance
G313	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G313	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	80	CB around T-S line	0.000561	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G313	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	13	CI around mean	0.244	4.0	Standard	No Exceedance
G313	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G313	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	33	CI around median	0.0192	0.04	Standard	No Exceedance
G313	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G313	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	27	CI around geomean	0.00103	0.1	Standard	No Exceedance
G313	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G313	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.282	5	Standard	No Exceedance
G313	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G313	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-88.2	400	Standard	No Exceedance
G313	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G313	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	1,280	1,200	Standard	Exceedance
G314	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000407	0.006	Standard	No Exceedance
G314	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.001	0.010	Standard	No Exceedance
G314	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-0.0179	2.0	Standard	No Exceedance
G314	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around geomean	0.138	3.20	Background	No Exceedance
G314	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	31	200	Standard	No Exceedance
G314	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
G314	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	7	CI around mean	0.00314	0.006	Standard	No Exceedance
G314	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.22	4.0	Standard	No Exceedance
G314	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.0075	Standard	No Exceedance
G314	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00133	0.04	Standard	No Exceedance
G314	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	13	CB around linear reg	-0.00362	0.1	Standard	No Exceedance
G314	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G314	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.545	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G314	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.05	Standard	No Exceedance
G314	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	2,000	400	Standard	Exceedance
G314	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3,400	1,200	Standard	Exceedance
G314D	DA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G314D	DA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	12	42	CI around median	0.001	0.010	Standard	No Exceedance
G314D	DA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	12	0	CB around T-S line	0.0207	2.0	Standard	No Exceedance
G314D	DA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314D	DA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	12	0	CI around mean	0.157	3.20	Background	No Exceedance
G314D	DA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314D	DA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	-0.301	200	Standard	No Exceedance
G314D	DA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G314D	DA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	12	58	CI around median	0.002	0.006	Standard	No Exceedance
G314D	DA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	0.356	4.0	Standard	No Exceedance
G314D	DA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	12	83	CI around median	0.001	0.0075	Standard	No Exceedance
G314D	DA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	12	33	CB around linear reg	0.00943	0.04	Standard	No Exceedance
G314D	DA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314D	DA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	12	0	CB around linear reg	-0.00607	0.1	Standard	No Exceedance
G314D	DA	E006	pH (field)	SU	03/30/21 - 07/31/24	12	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G314D	DA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	12	0	CI around geomean	1.26	5	Standard	No Exceedance
G314D	DA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G314D	DA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	11	0	CI around mean	871	400	Standard	Exceedance
G314D	DA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314D	DA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	11	0	CI around median	1,800	1,200	Standard	Exceedance
G315	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G315	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G315	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	0.00267	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G315	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G315	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1.2	3.20	Background	No Exceedance
G315	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G315	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-40.4	200	Standard	No Exceedance
G315	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000774	0.006	Standard	No Exceedance
G315	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	7	CI around median	0.253	4.0	Standard	No Exceedance
G315	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.0075	Standard	No Exceedance
G315	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00153	0.04	Standard	No Exceedance
G315	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G315	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
G315	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.169	5	Standard	No Exceedance
G315	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G315	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	302	400	Standard	No Exceedance
G315	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G315	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	1,090	1,200	Standard	No Exceedance
G316	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	87	CB around T-S line	0.000493	0.006	Standard	No Exceedance
G316	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00758	0.010	Standard	No Exceedance
G316	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0672	2.0	Standard	No Exceedance
G316	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G316	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	0.374	3.20	Background	No Exceedance
G316	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G316	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	24	200	Standard	No Exceedance
G316	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G316	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00207	0.006	Standard	No Exceedance
G316	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	47	CI around median	0.25	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G316	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.0075	Standard	No Exceedance
G316	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G316	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G316	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00408	0.1	Standard	No Exceedance
G316	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G316	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.339	5	Standard	No Exceedance
G316	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G316	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	662	400	Standard	Exceedance
G316	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G316	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1,470	1,200	Standard	Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

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

HSU = hydrostratigraphic unit:
- DA = Deep Aquifer
- LCU = Lower Confining Unit
- UA = Uppermost Aquifer

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

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

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
STAFF GAGE

REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
LIMITS OF FINAL COVER
PROPERTY BOUNDARY

0 200 400 Feet

MONITORING WELL LOCATION MAP

ASH POND NO. 1

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 1/13/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\845_AnnualGWM\2024\COF\AGWR_2024.aprx\Figure 2. COF 101 GWPS UA

- TOTAL BORON EXCEEDANCE
- TOTAL SULFATE EXCEEDANCE
- TOTAL DISSOLVED SOLIDS EXCEEDANCE
- COMPLIANCE WELL WITHOUT EXCEEDANCE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 275 550 Feet

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 NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

TOTAL SULFATE EXCEEDANCE
TOTAL DISSOLVED SOLIDS EXCEEDANCE

REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
LIMITS OF FINAL COVER
PROPERTY BOUNDARY

0 275 550 Feet

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

FIGURE 3

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 1/13/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\845_AnnualGWM\2024\COF\AGWR_2024.aprx\Figure 4. COF 101 GWPS DA

TOTAL SULFATE EXCEEDANCE

TOTAL DISSOLVED SOLIDS EXCEEDANCE

REGULATED UNIT (SUBJECT UNIT)

SITE FEATURE

LIMITS OF FINAL COVER

PROPERTY BOUNDARY

0 275 550 Feet

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

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

0 325 650 Feet

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 JANUARY 12, 2024

FIGURE 5

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 4/22/2024 | DESIGNER: egreaves

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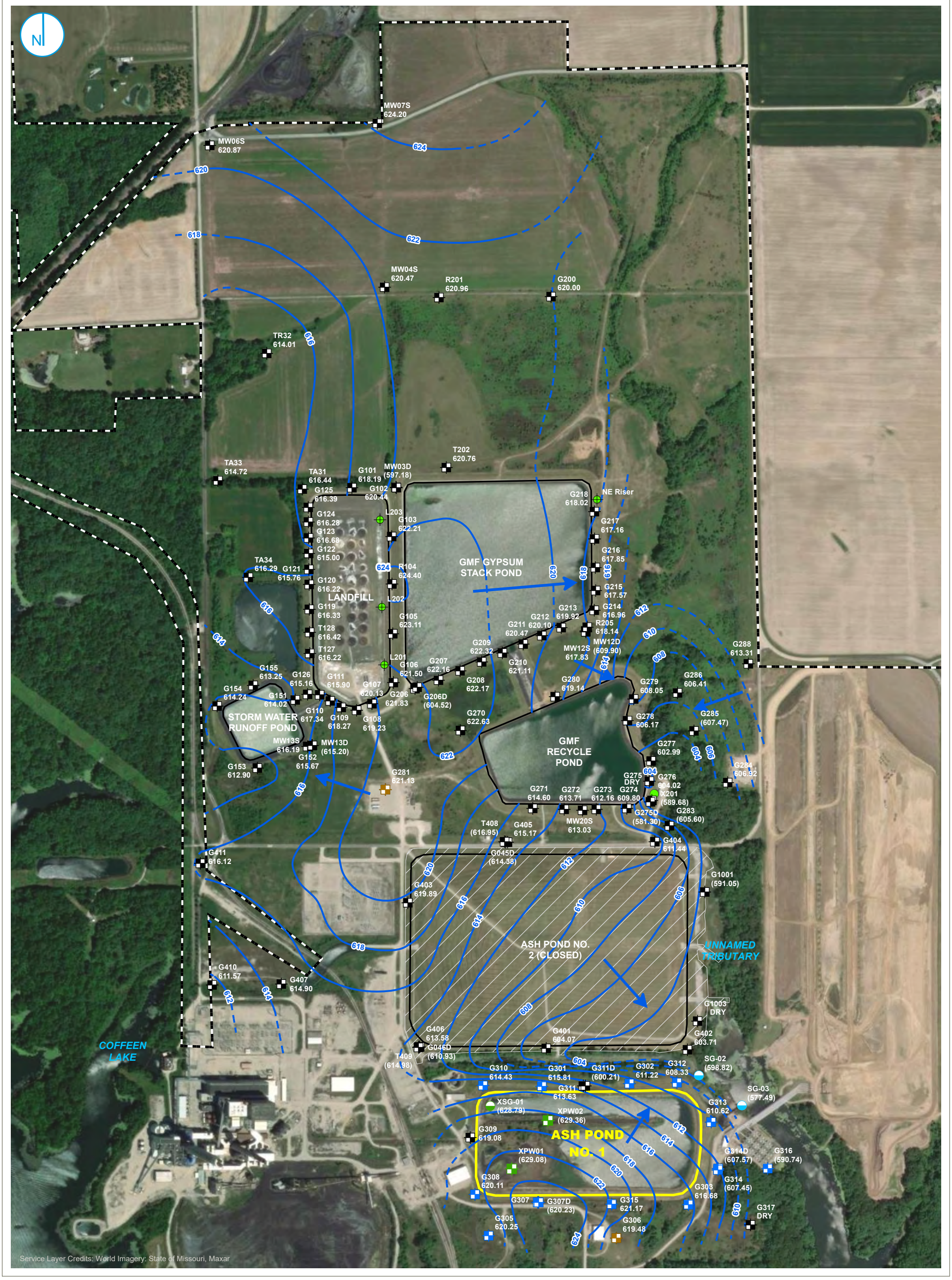


- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CCR SOURCE WATER SAMPLE
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER
- LEACHATE WELL
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW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

0 325 650 Feet

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 FEBRUARY 12 AND 13, 2024

FIGURE 6

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

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

0 325 650 Feet

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

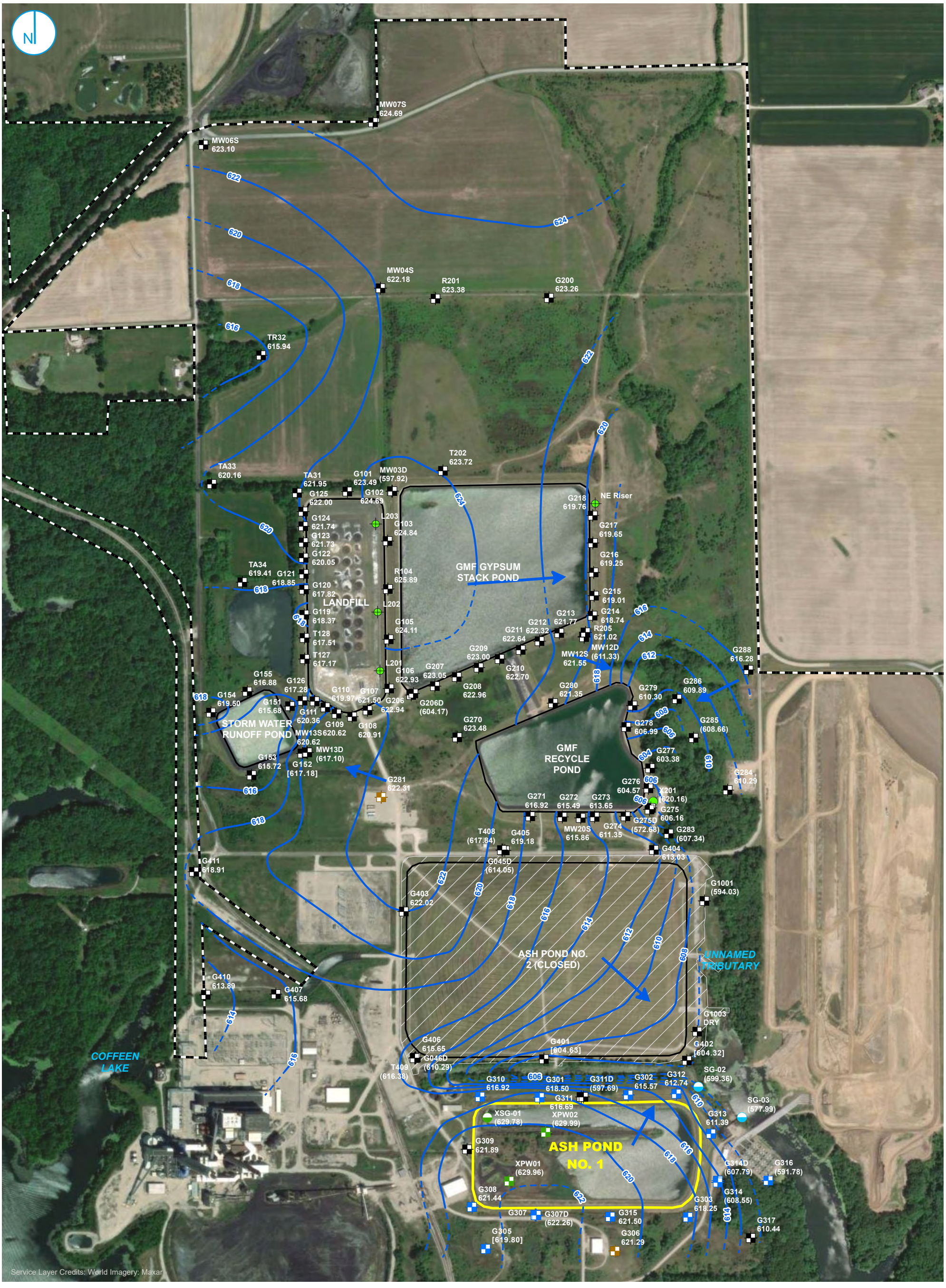
POTENTIOMETRIC SURFACE MAP MARCH 29, 2024

FIGURE 7

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



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

0 325 650 Feet

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

POTENTIOMETRIC SURFACE MAP APRIL 29, 2024

FIGURE 8

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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
MAY 29, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 11/4/2024 | DESIGNER: GALARNMC

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Service Layer Credits: World Imagery: Maxar

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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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 JUNE 29, 2024

FIGURE 10

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 12/4/2024 | DESIGNER: GALARNMC

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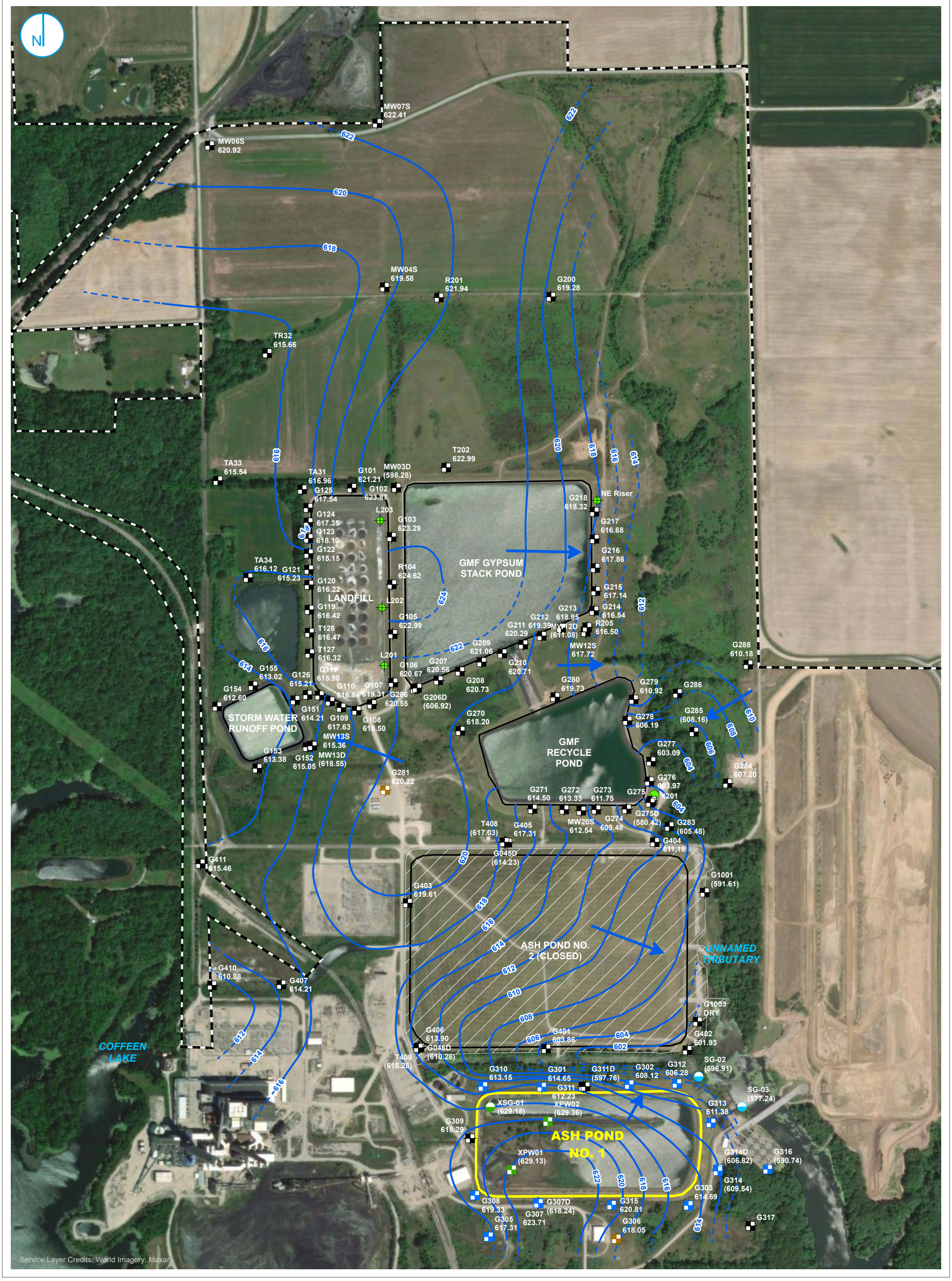

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- LEACHATE WELL
- CCR SOURCE WATER SAMPLE
- STAFF GAGE, RIVER
- STAFF GAGE, CCR UNIT

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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 29 AND 30, 2024

FIGURE 11

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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 AUGUST 28, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND NO. 1

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 12

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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 SEPTEMBER 28, 2024

FIGURE 13

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 1/10/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2024\Coffeen\AP1_101\2024 Coffeen AP101.aprx

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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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 OCTOBER 28 AND 29, 2024

FIGURE 14

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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 NOVEMBER 19, 2024

FIGURE 15

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

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 DECEMBER 11-13, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND NO. 1

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 16

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G281	Background	UA	01/12/2024	4.55	621.87
G281	Background	UA	02/12/2024	5.30	621.13
G281	Background	UA	03/29/2024	4.29	622.13
G281	Background	UA	04/29/2024	4.12	622.31
G281	Background	UA	05/29/2024	4.73	621.96
G281	Background	UA	06/29/2024	8.21	618.47
G281	Background	UA	07/30/2024	6.21	620.22
G281	Background	UA	08/28/2024	8.65	618.04
G281	Background	UA	09/28/2024	6.74	619.95
G281	Background	UA	10/28/2024	9.11	617.59
G281	Background	UA	11/19/2024	5.82	620.87
G281	Background	UA	12/12/2024	7.08	619.62
G301	Compliance	UA	01/12/2024	5.37	617.18
G301	Compliance	UA	02/12/2024	6.75	615.81
G301	Compliance	UA	03/29/2024	6.04	616.51
G301	Compliance	UA	04/29/2024	4.06	618.50
G301	Compliance	UA	05/29/2024	6.54	616.29
G301	Compliance	UA	06/29/2024	8.71	614.13
G301	Compliance	UA	07/30/2024	7.91	614.65
G301	Compliance	UA	08/28/2024	8.64	614.20
G301	Compliance	UA	09/28/2024	8.30	614.53
G301	Compliance	UA	10/28/2024	8.59	614.25
G301	Compliance	UA	11/19/2024	6.74	616.09
G301	Compliance	UA	12/12/2024	7.82	615.02
G302	Compliance	UA	01/12/2024	7.65	612.29
G302	Compliance	UA	02/12/2024	8.73	611.22
G302	Compliance	UA	03/29/2024	6.92	613.02
G302	Compliance	UA	04/29/2024	4.38	615.57
G302	Compliance	UA	05/29/2024	6.05	614.20
G302	Compliance	UA	06/29/2024	12.12	608.12
G302	Compliance	UA	07/30/2024	11.83	608.12
G302	Compliance	UA	08/28/2024	DM[7]	
G302	Compliance	UA	09/28/2024	DM[7]	
G302	Compliance	UA	10/28/2024	13.44	606.81
G302	Compliance	UA	11/19/2024	DM[7]	
G302	Compliance	UA	12/12/2024	11.26	608.99
G303	Compliance	UA	01/12/2024	4.68	617.24
G303	Compliance	UA	02/12/2024	5.25	616.68
G303	Compliance	UA	03/29/2024	3.94	617.98
G303	Compliance	UA	04/29/2024	3.68	618.25
G303	Compliance	UA	05/29/2024	4.51	617.41
G303	Compliance	UA	06/29/2024	8.25	613.67
G303	Compliance	UA	07/30/2024	7.24	614.69
G303	Compliance	UA	08/28/2024	8.64	613.28
G303	Compliance	UA	09/28/2024	8.54	613.39
G303	Compliance	UA	10/28/2024	9.75	612.18

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G303	Compliance	UA	11/19/2024	6.06	615.86
G303	Compliance	UA	12/11/2024	7.17	614.76
G305	Compliance	UA	01/12/2024	5.36	620.47
G305	Compliance	UA	02/12/2024	5.59	620.25
G305	Compliance	UA	03/29/2024	5.09	620.74
G305	Compliance	UA	04/29/2024	15.77	610.07
G305	Compliance	UA	05/29/2024	6.36	619.47
G305	Compliance	UA	06/29/2024	9.17	616.66
G305	Compliance	UA	07/30/2024	8.53	617.31
G305	Compliance	UA	08/28/2024	9.80	616.04
G305	Compliance	UA	09/28/2024	9.02	616.81
G305	Compliance	UA	10/28/2024	10.06	615.78
G305	Compliance	UA	11/19/2024	7.13	618.70
G305	Compliance	UA	12/11/2024	7.91	617.93
G306	Background	UA	01/12/2024	5.66	620.41
G306	Background	UA	02/12/2024	6.60	619.48
G306	Background	UA	03/29/2024	5.66	620.41
G306	Background	UA	04/29/2024	4.79	621.29
G306	Background	UA	05/29/2024	5.66	620.31
G306	Background	UA	06/29/2024	9.97	616.00
G306	Background	UA	07/30/2024	8.03	618.05
G306	Background	UA	08/28/2024	DM[7]	
G306	Background	UA	09/28/2024	DM[7]	
G306	Background	UA	10/28/2024	11.33	614.65
G306	Background	UA	11/19/2024	6.52	619.45
G306	Background	UA	12/11/2024	7.43	618.55
G307	Compliance	UA	01/12/2024	DM[1]	
G307	Compliance	UA	02/12/2024	DM[5]	
G307	Compliance	UA	03/29/2024	DM[1]	
G307	Compliance	UA	04/29/2024	DM[5]	
G307	Compliance	UA	05/29/2024	DM[1]	
G307	Compliance	UA	06/29/2024	DM[1]	
G307	Compliance	UA	07/29/2024	0.89	623.71
G307	Compliance	UA	08/28/2024	DM[1]	
G307	Compliance	UA	09/28/2024	DM[1]	
G307	Compliance	UA	10/28/2024	DM[1]	
G307	Compliance	UA	11/19/2024	DM[1]	
G307	Compliance	UA	12/11/2024	DM[1]	
G307D	Compliance	LCU	01/12/2024	2.50	622.54
G307D	Compliance	LCU	02/12/2024	4.82	620.23
G307D	Compliance	LCU	03/29/2024	2.74	622.30
G307D	Compliance	LCU	04/29/2024	2.79	622.26
G307D	Compliance	LCU	05/29/2024	2.62	622.48
G307D	Compliance	LCU	06/29/2024	5.00	620.09
G307D	Compliance	LCU	07/30/2024	6.81	618.24
G307D	Compliance	LCU	08/28/2024	11.46	613.64

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G307D	Compliance	LCU	09/28/2024	11.61	613.48
G307D	Compliance	LCU	10/28/2024	12.51	612.59
G307D	Compliance	LCU	11/19/2024	14.29	610.80
G307D	Compliance	LCU	12/11/2024	13.94	611.16
G308	Compliance	UA	01/12/2024	3.44	621.31
G308	Compliance	UA	02/12/2024	4.65	620.11
G308	Compliance	UA	03/29/2024	4.28	620.47
G308	Compliance	UA	04/29/2024	3.32	621.44
G308	Compliance	UA	05/29/2024	4.50	620.20
G308	Compliance	UA	06/29/2024	6.54	618.16
G308	Compliance	UA	07/30/2024	5.43	619.33
G308	Compliance	UA	08/28/2024	6.72	617.99
G308	Compliance	UA	09/28/2024	5.23	619.48
G308	Compliance	UA	10/28/2024	6.65	618.06
G308	Compliance	UA	11/19/2024	4.17	620.54
G308	Compliance	UA	12/11/2024	5.09	619.62
G310	Compliance	UA	01/12/2024	7.22	615.65
G310	Compliance	UA	02/12/2024	8.45	614.43
G310	Compliance	UA	03/29/2024	7.28	615.59
G310	Compliance	UA	04/29/2024	5.96	616.92
G310	Compliance	UA	05/29/2024	7.72	615.28
G310	Compliance	UA	06/29/2024	10.54	612.46
G310	Compliance	UA	07/30/2024	9.73	613.15
G310	Compliance	UA	08/28/2024	10.71	612.29
G310	Compliance	UA	09/28/2024	9.99	613.01
G310	Compliance	UA	10/28/2024	10.62	612.39
G310	Compliance	UA	11/19/2024	7.94	615.06
G310	Compliance	UA	12/12/2024	9.55	613.46
G312	Compliance	UA	01/12/2024	9.26	610.68
G312	Compliance	UA	02/12/2024	11.62	608.33
G312	Compliance	UA	03/29/2024	9.64	610.30
G312	Compliance	UA	04/29/2024	7.21	612.74
G312	Compliance	UA	05/29/2024	10.00	609.97
G312	Compliance	UA	06/29/2024	13.64	606.33
G312	Compliance	UA	07/30/2024	13.67	606.28
G312	Compliance	UA	08/28/2024	14.53	605.44
G312	Compliance	UA	09/28/2024	DM[7]	
G312	Compliance	UA	10/28/2024	Dry	
G312	Compliance	UA	11/19/2024	DM[7]	
G312	Compliance	UA	12/12/2024	13.35	606.63
G313	Compliance	UA	01/12/2024	2.89	611.40
G313	Compliance	UA	02/12/2024	3.68	610.62
G313	Compliance	UA	03/29/2024	3.44	610.85
G313	Compliance	UA	04/29/2024	2.91	611.39
G313	Compliance	UA	05/29/2024	3.22	611.18
G313	Compliance	UA	06/29/2024	3.57	610.83

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G313	Compliance	UA	07/30/2024	2.92	611.38
G313	Compliance	UA	08/28/2024	3.27	611.13
G313	Compliance	UA	09/28/2024	DM[7]	
G313	Compliance	UA	10/28/2024	3.32	611.09
G313	Compliance	UA	11/19/2024	DM[7]	
G313	Compliance	UA	12/12/2024	3.77	610.64
G314	Compliance	LCU	01/12/2024	6.53	607.51
G314	Compliance	LCU	02/12/2024	6.60	607.45
G314	Compliance	LCU	03/29/2024	6.54	607.50
G314	Compliance	LCU	04/29/2024	5.50	608.55
G314	Compliance	LCU	05/29/2024	5.73	608.26
G314	Compliance	LCU	06/29/2024	4.80	609.19
G314	Compliance	LCU	07/30/2024	4.51	609.54
G314	Compliance	LCU	08/28/2024	5.34	608.65
G314	Compliance	LCU	09/28/2024	5.26	608.74
G314	Compliance	LCU	10/28/2024	5.80	608.20
G314	Compliance	LCU	11/19/2024	8.31	605.68
G314	Compliance	LCU	12/11/2024	6.58	607.42
G314D	Compliance	DA	01/12/2024	5.54	608.16
G314D	Compliance	DA	02/12/2024	6.14	607.57
G314D	Compliance	DA	03/29/2024	5.86	607.84
G314D	Compliance	DA	04/29/2024	5.92	607.79
G314D	Compliance	DA	05/29/2024	6.12	607.53
G314D	Compliance	DA	06/29/2024	7.39	606.26
G314D	Compliance	DA	07/30/2024	6.89	606.82
G314D	Compliance	DA	08/28/2024	8.80	604.85
G314D	Compliance	DA	09/28/2024	7.77	605.89
G314D	Compliance	DA	10/28/2024	8.72	604.94
G314D	Compliance	DA	11/19/2024	7.85	605.80
G314D	Compliance	DA	12/11/2024	6.75	606.91
G315	Compliance	UA	01/12/2024	2.25	621.43
G315	Compliance	UA	02/12/2024	2.52	621.17
G315	Compliance	UA	03/29/2024	2.43	621.25
G315	Compliance	UA	04/29/2024	2.19	621.50
G315	Compliance	UA	05/29/2024	2.55	621.08
G315	Compliance	UA	06/29/2024	4.56	619.07
G315	Compliance	UA	07/30/2024	2.88	620.81
G315	Compliance	UA	08/28/2024	4.35	619.27
G315	Compliance	UA	09/28/2024	DM[7]	
G315	Compliance	UA	10/28/2024	4.62	619.02
G315	Compliance	UA	11/19/2024	DM[7]	
G315	Compliance	UA	12/12/2024	2.79	620.85
G316	Compliance	LCU	01/12/2024	DM[1]	
G316	Compliance	LCU	02/12/2024	11.85	590.74
G316	Compliance	LCU	03/29/2024	DM[1]	
G316	Compliance	LCU	04/29/2024	10.81	591.78

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G316	Compliance	LCU	05/29/2024	DM[1]	
G316	Compliance	LCU	06/29/2024	DM[1]	
G316	Compliance	LCU	07/29/2024	11.85	590.74
G316	Compliance	LCU	08/28/2024	DM[1]	
G316	Compliance	LCU	09/28/2024	DM[1]	
G316	Compliance	LCU	10/28/2024	13.12	589.67
G316	Compliance	LCU	11/19/2024	DM[1]	
G316	Compliance	LCU	12/11/2024	DM[1]	
XSG-01	Water Level	CCR	01/12/2024	7.04	628.46
XSG-01	Water Level	CCR	02/12/2024	6.72	628.79
XSG-01	Water Level	CCR	03/29/2024	DM[1]	
XSG-01	Water Level	CCR	04/29/2024	5.73	629.78
XSG-01	Water Level	CCR	05/29/2024	5.44	630.06
XSG-01	Water Level	CCR	06/29/2024	6.20	629.30
XSG-01	Water Level	CCR	07/30/2024	6.33	629.18
XSG-01	Water Level	CCR	08/28/2024	6.61	628.89
XSG-01	Water Level	CCR	09/28/2024	6.80	628.70
XSG-01	Water Level	CCR	10/28/2024	7.29	628.21
XSG-01	Water Level	CCR	10/29/2024	7.56	627.95
XSG-01	Water Level	CCR	11/19/2024	6.64	628.86
XSG-01	Water Level	CCR	12/12/2024	6.97	628.54
SG-02	Water Level	SW	01/12/2024	6.86	599.17
SG-02	Water Level	SW	02/12/2024	7.22	598.82
SG-02	Water Level	SW	03/29/2024	7.03	599.00
SG-02	Water Level	SW	04/29/2024	6.68	599.36
SG-02	Water Level	SW	05/29/2024	6.58	599.18
SG-02	Water Level	SW	06/29/2024	6.92	598.84
SG-02	Water Level	SW	07/30/2024	7.13	598.91
SG-02	Water Level	SW	08/28/2024	6.20	599.56
SG-02	Water Level	SW	09/28/2024	5.97	599.79
SG-02	Water Level	SW	10/28/2024	6.21	599.55
SG-02	Water Level	SW	10/29/2024	6.17	599.60
SG-02	Water Level	SW	11/19/2024	6.99	598.77
SG-02	Water Level	SW	12/12/2024	7.17	598.60
SG-03	Water Level	SW	01/12/2024	8.21	577.71
SG-03	Water Level	SW	02/12/2024	8.44	577.49
SG-03	Water Level	SW	03/29/2024	8.61	577.31
SG-03	Water Level	SW	04/29/2024	7.94	577.99
SG-03	Water Level	SW	05/29/2024	8.52	577.40
SG-03	Water Level	SW	06/29/2024	8.99	576.93
SG-03	Water Level	SW	07/30/2024	8.69	577.24
SG-03	Water Level	SW	08/28/2024	DM[7]	
SG-03	Water Level	SW	09/28/2024	DM[7]	
SG-03	Water Level	SW	10/29/2024	9.72	576.21
SG-03	Water Level	SW	11/19/2024	8.99	576.93
SG-03	Water Level	SW	12/11/2024	8.80	577.13

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

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

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

NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:

- CCR = coal combustion residuals
- DA = deep aquifer
- LCU = lower confining unit
- SW = surface water
- UA = uppermost aquifer

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ATTACHMENT B
COMPARISON TO BACKGROUND

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G301	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	94	CB around T-S line	0.00209	0.003
G301	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.001	0.00430
G301	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CB around T-S line	-0.0115	0.120
G301	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.001
G301	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	2.16	3.20
G301	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	96	CI around median	0.001	0.001
G301	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	0	CB around T-S line	6.9	120
G301	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	61	CB around T-S line	0.000936	0.0110
G301	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	30	CB around T-S line	0.000102	0.00560
G301	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	0.411
G301	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.00630
G301	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.01	0.0130
G301	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.00130
G301	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.0015	0.00150
G301	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.6/6.9	6.6/7.3
G301	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around mean	0.517	1.60
G301	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.00150
G301	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CB around linear reg	477	367
G301	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.00100
G301	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1,070	1,010
G302	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.001	0.003
G302	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	22	CI around median	0.001	0.00430
G302	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.0289	0.120
G302	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.001
G302	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1.65	3.20
G302	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.001	0.001
G302	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	4	CI around mean	11.8	120

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G302	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.004	0.0110
G302	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	26	CI around median	0.002	0.00560
G302	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	0.411
G302	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.001	0.00630
G302	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	30	CI around mean	0.014	0.0130
G302	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.00130
G302	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.00150
G302	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.8/7.0	6.6/7.3
G302	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.365	1.60
G302	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	96	CI around median	0.001	0.00150
G302	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	376	367
G302	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.00100
G302	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	969	1,010
G303	UA	E004	Antimony, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.001	0.003
G303	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/14/24	23	4	CB around linear reg	-0.00257	0.00430
G303	UA	E004	Barium, total	mg/L	11/20/15 - 02/14/24	23	0	CI around median	0.015	0.120
G303	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.001
G303	UA	E004	Boron, total	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1.77	3.20
G303	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/14/24	23	100	All ND - Last	0.001	0.001
G303	UA	E004	Chloride, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	25.1	120
G303	UA	E004	Chromium, total	mg/L	11/20/15 - 02/14/24	23	87	CB around T-S line	0.0017	0.0110
G303	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/14/24	23	30	CI around geomean	0.00154	0.00560
G303	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/14/24	24	21	CI around mean	0.265	0.411
G303	UA	E004	Lead, total	mg/L	11/20/15 - 02/14/24	23	83	CI around median	0.001	0.00630
G303	UA	E004	Lithium, total	mg/L	11/20/15 - 02/14/24	23	0	CB around linear reg	0.0154	0.0130
G303	UA	E004	Mercury, total	mg/L	11/20/15 - 02/14/24	18	89	CI around median	0.0002	0.00130
G303	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/14/24	23	0	CI around mean	0.00177	0.00150

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G303	UA	E004	pH (field)	SU	11/20/15 - 02/14/24	24	0	CI around mean	6.8/7.0	6.6/7.3
G303	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/14/24	23	0	CI around mean	0.562	1.60
G303	UA	E004	Selenium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.00150
G303	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	606	367
G303	UA	E004	Thallium, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.002	0.00100
G303	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1,510	1,010
G305	UA	E004	Antimony, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.003
G305	UA	E004	Arsenic, total	mg/L	05/19/16 - 02/19/24	10	60	CI around median	0.001	0.00430
G305	UA	E004	Barium, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.0286	0.120
G305	UA	E004	Beryllium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.001
G305	UA	E004	Boron, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	2.06	3.20
G305	UA	E004	Cadmium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.001
G305	UA	E004	Chloride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	18.6	120
G305	UA	E004	Chromium, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.00146	0.0110
G305	UA	E004	Cobalt, total	mg/L	05/19/16 - 02/19/24	10	70	CI around median	0.001	0.00560
G305	UA	E004	Fluoride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	0.359	0.411
G305	UA	E004	Lead, total	mg/L	05/19/16 - 02/19/24	10	20	CI around geomean	0.00103	0.00630
G305	UA	E004	Lithium, total	mg/L	05/19/16 - 02/19/24	10	40	CI around mean	0.00629	0.0130
G305	UA	E004	Mercury, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.0002	0.00130
G305	UA	E004	Molybdenum, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.000984	0.00150
G305	UA	E004	pH (field)	SU	05/19/16 - 02/19/24	10	0	CI around mean	7.0/7.3	6.6/7.3
G305	UA	E004	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.31	1.60
G305	UA	E004	Selenium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.00150
G305	UA	E004	Sulfate, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	808	367
G305	UA	E004	Thallium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.002	0.00100
G305	UA	E004	Total Dissolved Solids	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	1,360	1,010
G307	UA	E004	Antimony, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.001	0.003

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G307	UA	E004	Arsenic, total	mg/L	08/16/16 - 02/14/24	19	58	CI around median	0.001	0.00430
G307	UA	E004	Barium, total	mg/L	08/16/16 - 02/14/24	19	0	CI around geomean	0.0295	0.120
G307	UA	E004	Beryllium, total	mg/L	08/16/16 - 02/14/24	18	94	CI around median	0.001	0.001
G307	UA	E004	Boron, total	mg/L	08/16/16 - 02/14/24	20	0	CI around mean	2.01	3.20
G307	UA	E004	Cadmium, total	mg/L	08/16/16 - 02/14/24	19	53	CI around median	0.001	0.001
G307	UA	E004	Chloride, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	7.82	120
G307	UA	E004	Chromium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.004	0.0110
G307	UA	E004	Cobalt, total	mg/L	08/16/16 - 02/14/24	20	0	CI around median	0.0026	0.00560
G307	UA	E004	Fluoride, total	mg/L	08/16/16 - 02/14/24	20	5	CI around median	0.299	0.411
G307	UA	E004	Lead, total	mg/L	08/16/16 - 02/14/24	19	42	CI around median	0.001	0.00630
G307	UA	E004	Lithium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.0126	0.0130
G307	UA	E004	Mercury, total	mg/L	08/16/16 - 02/14/24	14	93	CI around median	0.0002	0.00130
G307	UA	E004	Molybdenum, total	mg/L	08/16/16 - 02/14/24	19	10	CI around geomean	0.0011	0.00150
G307	UA	E004	pH (field)	SU	08/16/16 - 02/14/24	21	0	CI around mean	7.0/7.2	6.6/7.3
G307	UA	E004	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 02/14/24	19	0	CI around mean	0.534	1.60
G307	UA	E004	Selenium, total	mg/L	08/16/16 - 02/14/24	18	83	CI around median	0.001	0.00150
G307	UA	E004	Sulfate, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	426	367
G307	UA	E004	Thallium, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.002	0.00100
G307	UA	E004	Total Dissolved Solids	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	896	1,010
G307D	LCU	E004	Antimony, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.003
G307D	LCU	E004	Arsenic, total	mg/L	03/29/21 - 02/14/24	10	20	CI around geomean	0.000898	0.00430
G307D	LCU	E004	Barium, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.0269	0.120
G307D	LCU	E004	Beryllium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.001
G307D	LCU	E004	Boron, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	1.16	3.20
G307D	LCU	E004	Cadmium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.001
G307D	LCU	E004	Chloride, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	6.68	120
G307D	LCU	E004	Chromium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.0015	0.0110

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G307D	LCU	E004	Cobalt, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.00560
G307D	LCU	E004	Fluoride, total	mg/L	03/29/21 - 02/14/24	9	0	CI around mean	0.494	0.411
G307D	LCU	E004	Lead, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.00630
G307D	LCU	E004	Lithium, total	mg/L	03/29/21 - 02/14/24	10	90	CB around T-S line	-0.00016	0.0130
G307D	LCU	E004	Mercury, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.0002	0.00130
G307D	LCU	E004	Molybdenum, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.00571	0.00150
G307D	LCU	E004	pH (field)	SU	03/29/21 - 02/14/24	10	0	CI around mean	7.1/7.3	6.6/7.3
G307D	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/14/24	11	0	CI around geomean	0.21	1.60
G307D	LCU	E004	Selenium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.00150
G307D	LCU	E004	Sulfate, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	497	367
G307D	LCU	E004	Thallium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.002	0.00100
G307D	LCU	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	918	1,010
G308	UA	E004	Antimony, total	mg/L	03/29/21 - 02/16/24	13	92	CB around T-S line	0.000812	0.003
G308	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/16/24	13	85	CI around median	0.001	0.00430
G308	UA	E004	Barium, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	0.0207	0.120
G308	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.001
G308	UA	E004	Boron, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	2.44	3.20
G308	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.001
G308	UA	E004	Chloride, total	mg/L	03/29/21 - 02/16/24	13	8	CB around T-S line	-0.0926	120
G308	UA	E004	Chromium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0033	0.0110
G308	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.00560
G308	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/16/24	13	8	CI around geomean	0.511	0.411
G308	UA	E004	Lead, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.00630
G308	UA	E004	Lithium, total	mg/L	03/29/21 - 02/16/24	13	77	CB around T-S line	0.00662	0.0130
G308	UA	E004	Mercury, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0002	0.00130
G308	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/16/24	13	8	CI around median	0.0013	0.00150
G308	UA	E004	pH (field)	SU	03/29/21 - 02/16/24	13	0	CI around mean	7.1/7.3	6.6/7.3

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G308	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/16/24	12	0	CI around median	0.00738	1.60
G308	UA	E004	Selenium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.001	0.00150
G308	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	824	367
G308	UA	E004	Thallium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.002	0.00100
G308	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	1,530	1,010
G310	UA	E004	Antimony, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.003
G310	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/19/24	13	92	CI around median	0.001	0.00430
G310	UA	E004	Barium, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	0.015	0.120
G310	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.001
G310	UA	E004	Boron, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1.71	3.20
G310	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.001
G310	UA	E004	Chloride, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	15	120
G310	UA	E004	Chromium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.0110
G310	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00119	0.00560
G310	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/19/24	13	15	CI around mean	0.267	0.411
G310	UA	E004	Lead, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.00630
G310	UA	E004	Lithium, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00451	0.0130
G310	UA	E004	Mercury, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0002	0.00130
G310	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.00150
G310	UA	E004	pH (field)	SU	03/29/21 - 02/19/24	13	0	CI around mean	7.0/7.2	6.6/7.3
G310	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/19/24	12	0	CI around median	0	1.60
G310	UA	E004	Selenium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.00150
G310	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/19/24	13	0	CB around T-S line	-1,940	367
G310	UA	E004	Thallium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.002	0.00100
G310	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1,210	1,010
G312	UA	E004	Antimony, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.003
G312	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.00430

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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G312	UA	E004	Barium, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	0.0247	0.120
G312	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.001
G312	UA	E004	Boron, total	mg/L	03/30/21 - 02/19/24	11	0	CI around geomean	1.45	3.20
G312	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.001
G312	UA	E004	Chloride, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	21.7	120
G312	UA	E004	Chromium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0015	0.0110
G312	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/19/24	11	27	CI around mean	0.00183	0.00560
G312	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/19/24	11	73	CI around median	0.22	0.411
G312	UA	E004	Lead, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.00630
G312	UA	E004	Lithium, total	mg/L	03/30/21 - 02/19/24	11	64	CI around median	0.018	0.0130
G312	UA	E004	Mercury, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0002	0.00130
G312	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.00150
G312	UA	E004	pH (field)	SU	03/30/21 - 02/19/24	11	0	CI around median	6.3/6.5	6.6/7.3
G312	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/19/24	10	0	CI around mean	0.243	1.60
G312	UA	E004	Selenium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.00150
G312	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	728	367
G312	UA	E004	Thallium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.002	0.00100
G312	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	1,490	1,010
G313	UA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.003
G313	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.00430
G313	UA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0187	0.120
G313	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G313	UA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3.3	3.20
G313	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G313	UA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around median	20	120
G313	UA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.0110
G313	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.000716	0.00560

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
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ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G313	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.239	0.411
G313	UA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.00630
G313	UA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	38	CI around median	0.02	0.0130
G313	UA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.00130
G313	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	23	CI around geomean	0.00101	0.00150
G313	UA	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.8/7.0	6.6/7.3
G313	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around mean	0.273	1.60
G313	UA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.00150
G313	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CB around T-S line	-626	367
G313	UA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.00100
G313	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	1,460	1,010
G314	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CB around T-S line	0.000727	0.003
G314	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	69	CI around median	0.001	0.00430
G314	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0184	0.120
G314	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G314	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around geomean	0.138	3.20
G314	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G314	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	31	120
G314	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.0019	0.0110
G314	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.0032	0.00560
G314	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.201	0.411
G314	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.00630
G314	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.00586	0.0130
G314	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.00130
G314	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	8	CB around linear reg	-0.00373	0.00150
G314	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.5/6.8	6.6/7.3
G314	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.495	1.60

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ASH POND NO. 1
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.00150
G314	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	2,000	367
G314	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.00100
G314	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3,430	1,010
G314D	DA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.003
G314D	DA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	10	40	CI around median	0.001	0.00430
G314D	DA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.0307	0.120
G314D	DA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.001
G314D	DA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.149	3.20
G314D	DA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.001
G314D	DA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	9	0	CB around linear reg	-5.42	120
G314D	DA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0015	0.0110
G314D	DA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	10	60	CB around T-S line	0.002	0.00560
G314D	DA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	0.558	0.411
G314D	DA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	10	80	CI around median	0.001	0.00630
G314D	DA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	10	40	CB around linear reg	0.011	0.0130
G314D	DA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0002	0.00130
G314D	DA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	10	0	CB around linear reg	-0.00692	0.00150
G314D	DA	E004	pH (field)	SU	03/30/21 - 02/13/24	10	0	CB around linear reg	6.6/7.0	6.6/7.3
G314D	DA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	10	0	CI around geomean	1.51	1.60
G314D	DA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.00150
G314D	DA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	816	367
G314D	DA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.002	0.00100
G314D	DA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	1,900	1,010
G315	UA	E004	Antimony, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.003
G315	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.00430
G315	UA	E004	Barium, total	mg/L	03/30/21 - 02/14/24	13	0	CI around mean	0.0201	0.120

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
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ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G315	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.001
G315	UA	E004	Boron, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	1.2	3.20
G315	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.001
G315	UA	E004	Chloride, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	-34.9	120
G315	UA	E004	Chromium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.0110
G315	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/14/24	13	92	CB around T-S line	0.00103	0.00560
G315	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	0.261	0.411
G315	UA	E004	Lead, total	mg/L	03/30/21 - 02/14/24	13	92	CI around median	0.001	0.00630
G315	UA	E004	Lithium, total	mg/L	03/30/21 - 02/14/24	13	77	CB around T-S line	0.00451	0.0130
G315	UA	E004	Mercury, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0002	0.00130
G315	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.00150
G315	UA	E004	pH (field)	SU	03/30/21 - 02/14/24	13	0	CI around mean	6.7/6.9	6.6/7.3
G315	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/14/24	12	0	CI around mean	0.129	1.60
G315	UA	E004	Selenium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.00150
G315	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	272	367
G315	UA	E004	Thallium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.002	0.00100
G315	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/14/24	13	0	CB around linear reg	507	1,010
G316	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.0012	0.003
G316	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0074	0.00430
G316	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0685	0.120
G316	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G316	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.368	3.20
G316	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G316	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	25	120
G316	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.0110
G316	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00217	0.00560
G316	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	46	CI around mean	0.251	0.411

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G316	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.001	0.00630
G316	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.003	0.0130
G316	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.00130
G316	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00401	0.00150
G316	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.9/7.1	6.6/7.3
G316	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.334	1.60
G316	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.00150
G316	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	662	367
G316	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.00100
G316	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	1,600	1,010

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

DA = Deep Aquifer

LCU = Lower Confining Unit

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

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
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G301	UA	E005	Antimony, total	mg/L	11/20/15 - 05/06/24	19	90	CB around T-S line	0.00173	0.003
G301	UA	E005	Arsenic, total	mg/L	11/20/15 - 05/06/24	24	67	CI around median	0.001	0.00430
G301	UA	E005	Barium, total	mg/L	11/20/15 - 05/06/24	24	0	CB around T-S line	-0.00901	0.120
G301	UA	E005	Beryllium, total	mg/L	11/20/15 - 05/06/24	23	100	All ND - Last	0.001	0.001
G301	UA	E005	Boron, total	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	2.16	3.20
G301	UA	E005	Cadmium, total	mg/L	11/20/15 - 05/06/24	24	96	CI around median	0.001	0.001
G301	UA	E005	Chloride, total	mg/L	11/20/15 - 05/06/24	25	0	CB around T-S line	6.33	120
G301	UA	E005	Chromium, total	mg/L	11/20/15 - 05/06/24	24	62	CB around T-S line	0.000903	0.0110
G301	UA	E005	Cobalt, total	mg/L	11/20/15 - 05/06/24	24	29	CB around T-S line	0.000405	0.00560
G301	UA	E005	Fluoride, total	mg/L	11/20/15 - 05/06/24	25	32	CI around geomean	0.263	0.411
G301	UA	E005	Lead, total	mg/L	11/20/15 - 05/06/24	24	50	CI around median	0.001	0.00630
G301	UA	E005	Lithium, total	mg/L	11/20/15 - 05/06/24	24	54	CI around median	0.01	0.0130
G301	UA	E005	Mercury, total	mg/L	11/20/15 - 05/06/24	19	95	CI around median	0.0002	0.00130
G301	UA	E005	Molybdenum, total	mg/L	11/20/15 - 05/06/24	24	100	All ND - Last	0.0015	0.00150
G301	UA	E005	pH (field)	SU	11/20/15 - 05/06/24	25	0	CB around linear reg	6.3/6.8	6.6/7.3
G301	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 05/06/24	24	0	CI around mean	0.491	1.60
G301	UA	E005	Selenium, total	mg/L	11/20/15 - 05/06/24	23	100	All ND - Last	0.001	0.00150
G301	UA	E005	Sulfate, total	mg/L	11/20/15 - 05/06/24	25	0	CB around linear reg	468	367
G301	UA	E005	Thallium, total	mg/L	11/20/15 - 05/06/24	19	100	All ND - Last	0.002	0.00100
G301	UA	E005	Total Dissolved Solids	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	1,060	1,010
G302	UA	E005	Antimony, total	mg/L	11/20/15 - 05/06/24	19	100	All ND - Last	0.001	0.003
G302	UA	E005	Arsenic, total	mg/L	11/20/15 - 05/06/24	24	25	CI around median	0.001	0.00430
G302	UA	E005	Barium, total	mg/L	11/20/15 - 05/06/24	24	0	CI around geomean	0.0289	0.120
G302	UA	E005	Beryllium, total	mg/L	11/20/15 - 05/06/24	23	100	All ND - Last	0.001	0.001
G302	UA	E005	Boron, total	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	1.67	3.20
G302	UA	E005	Cadmium, total	mg/L	11/20/15 - 05/06/24	24	100	All ND - Last	0.001	0.001
G302	UA	E005	Chloride, total	mg/L	11/20/15 - 05/06/24	25	4	CI around mean	12.1	120

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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ASH POND NO. 1
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G302	UA	E005	Chromium, total	mg/L	11/20/15 - 05/06/24	24	67	CB around T-S line	0.00203	0.0110
G302	UA	E005	Cobalt, total	mg/L	11/20/15 - 05/06/24	24	25	CI around median	0.002	0.00560
G302	UA	E005	Fluoride, total	mg/L	11/20/15 - 05/06/24	25	32	CI around median	0.25	0.411
G302	UA	E005	Lead, total	mg/L	11/20/15 - 05/06/24	24	54	CI around median	0.001	0.00630
G302	UA	E005	Lithium, total	mg/L	11/20/15 - 05/06/24	24	29	CB around linear reg	0.0115	0.0130
G302	UA	E005	Mercury, total	mg/L	11/20/15 - 05/06/24	19	95	CI around median	0.0002	0.00130
G302	UA	E005	Molybdenum, total	mg/L	11/20/15 - 05/06/24	24	50	CI around median	0.001	0.00150
G302	UA	E005	pH (field)	SU	11/20/15 - 05/06/24	25	0	CB around linear reg	6.5/6.8	6.6/7.3
G302	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 05/06/24	24	0	CI around geomean	0.375	1.60
G302	UA	E005	Selenium, total	mg/L	11/20/15 - 05/06/24	23	96	CI around median	0.001	0.00150
G302	UA	E005	Sulfate, total	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	381	367
G302	UA	E005	Thallium, total	mg/L	11/20/15 - 05/06/24	19	100	All ND - Last	0.002	0.00100
G302	UA	E005	Total Dissolved Solids	mg/L	11/20/15 - 05/06/24	25	0	CI around mean	979	1,010
G303	UA	E005	Antimony, total	mg/L	11/20/15 - 05/01/24	19	100	All ND - Last	0.001	0.003
G303	UA	E005	Arsenic, total	mg/L	11/20/15 - 05/01/24	24	4	CB around linear reg	-0.0024	0.00430
G303	UA	E005	Barium, total	mg/L	11/20/15 - 05/01/24	24	0	CI around median	0.0156	0.120
G303	UA	E005	Beryllium, total	mg/L	11/20/15 - 05/01/24	23	100	All ND - Last	0.001	0.001
G303	UA	E005	Boron, total	mg/L	11/20/15 - 05/01/24	25	0	CB around T-S line	1.68	3.20
G303	UA	E005	Cadmium, total	mg/L	11/20/15 - 05/01/24	24	100	All ND - Last	0.001	0.001
G303	UA	E005	Chloride, total	mg/L	11/20/15 - 05/01/24	25	0	CB around linear reg	25.3	120
G303	UA	E005	Chromium, total	mg/L	11/20/15 - 05/01/24	24	88	CB around T-S line	0.00195	0.0110
G303	UA	E005	Cobalt, total	mg/L	11/20/15 - 05/01/24	24	29	CI around geomean	0.00159	0.00560
G303	UA	E005	Fluoride, total	mg/L	11/20/15 - 05/01/24	25	20	CI around mean	0.267	0.411
G303	UA	E005	Lead, total	mg/L	11/20/15 - 05/01/24	24	83	CI around median	0.001	0.00630
G303	UA	E005	Lithium, total	mg/L	11/20/15 - 05/01/24	24	0	CB around linear reg	0.0147	0.0130
G303	UA	E005	Mercury, total	mg/L	11/20/15 - 05/01/24	19	90	CI around median	0.0002	0.00130
G303	UA	E005	Molybdenum, total	mg/L	11/20/15 - 05/01/24	24	0	CI around mean	0.00175	0.00150

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G303	UA	E005	pH (field)	SU	11/20/15 - 05/01/24	25	0	CB around linear reg	6.6/6.9	6.6/7.3
G303	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 05/01/24	24	0	CI around mean	0.558	1.60
G303	UA	E005	Selenium, total	mg/L	11/20/15 - 05/01/24	23	100	All ND - Last	0.001	0.00150
G303	UA	E005	Sulfate, total	mg/L	11/20/15 - 05/01/24	25	0	CB around linear reg	595	367
G303	UA	E005	Thallium, total	mg/L	11/20/15 - 05/01/24	19	100	All ND - Last	0.002	0.00100
G303	UA	E005	Total Dissolved Solids	mg/L	11/20/15 - 05/01/24	25	0	CI around mean	1,520	1,010
G305	UA	E005	Antimony, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.003
G305	UA	E005	Arsenic, total	mg/L	05/19/16 - 05/01/24	11	64	CI around median	0.001	0.00430
G305	UA	E005	Barium, total	mg/L	05/19/16 - 05/01/24	11	0	CB around T-S line	-0.183	0.120
G305	UA	E005	Beryllium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.001
G305	UA	E005	Boron, total	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	2.08	3.20
G305	UA	E005	Cadmium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.001
G305	UA	E005	Chloride, total	mg/L	05/19/16 - 05/01/24	11	0	CI around geomean	19.1	120
G305	UA	E005	Chromium, total	mg/L	05/19/16 - 05/01/24	11	54	CI around median	0.0015	0.0110
G305	UA	E005	Cobalt, total	mg/L	05/19/16 - 05/01/24	11	73	CI around median	0.001	0.00560
G305	UA	E005	Fluoride, total	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	0.372	0.411
G305	UA	E005	Lead, total	mg/L	05/19/16 - 05/01/24	11	27	CI around median	0.001	0.00630
G305	UA	E005	Lithium, total	mg/L	05/19/16 - 05/01/24	11	36	CB around T-S line	-0.098	0.0130
G305	UA	E005	Mercury, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.0002	0.00130
G305	UA	E005	Molybdenum, total	mg/L	05/19/16 - 05/01/24	11	54	CI around median	0.001	0.00150
G305	UA	E005	pH (field)	SU	05/19/16 - 05/01/24	11	0	CI around mean	7.0/7.3	6.6/7.3
G305	UA	E005	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 05/01/24	11	0	CI around geomean	0.336	1.60
G305	UA	E005	Selenium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.001	0.00150
G305	UA	E005	Sulfate, total	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	805	367
G305	UA	E005	Thallium, total	mg/L	05/19/16 - 05/01/24	11	100	All ND - Last	0.002	0.00100
G305	UA	E005	Total Dissolved Solids	mg/L	05/19/16 - 05/01/24	11	0	CI around mean	1,370	1,010
G307	UA	E005	Antimony, total	mg/L	08/16/16 - 05/02/24	15	100	All ND - Last	0.001	0.003

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COFFEEN POWER PLANT
ASH POND NO. 1
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G307	UA	E005	Arsenic, total	mg/L	08/16/16 - 05/02/24	20	55	CI around median	0.001	0.00430
G307	UA	E005	Barium, total	mg/L	08/16/16 - 05/02/24	20	0	CI around geomean	0.0309	0.120
G307	UA	E005	Beryllium, total	mg/L	08/16/16 - 05/02/24	19	95	CI around median	0.001	0.001
G307	UA	E005	Boron, total	mg/L	08/16/16 - 05/02/24	21	0	CI around mean	2.01	3.20
G307	UA	E005	Cadmium, total	mg/L	08/16/16 - 05/02/24	20	55	CI around median	0.001	0.001
G307	UA	E005	Chloride, total	mg/L	08/16/16 - 05/02/24	21	0	CB around linear reg	7.83	120
G307	UA	E005	Chromium, total	mg/L	08/16/16 - 05/02/24	20	45	CI around median	0.004	0.0110
G307	UA	E005	Cobalt, total	mg/L	08/16/16 - 05/02/24	21	0	CI around median	0.0026	0.00560
G307	UA	E005	Fluoride, total	mg/L	08/16/16 - 05/02/24	21	5	CI around median	0.323	0.411
G307	UA	E005	Lead, total	mg/L	08/16/16 - 05/02/24	20	40	CI around median	0.001	0.00630
G307	UA	E005	Lithium, total	mg/L	08/16/16 - 05/02/24	20	45	CI around median	0.012	0.0130
G307	UA	E005	Mercury, total	mg/L	08/16/16 - 05/02/24	15	87	CI around median	0.0002	0.00130
G307	UA	E005	Molybdenum, total	mg/L	08/16/16 - 05/02/24	20	15	CI around geomean	0.00107	0.00150
G307	UA	E005	pH (field)	SU	08/16/16 - 05/02/24	22	0	CI around mean	7.0/7.2	6.6/7.3
G307	UA	E005	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 05/02/24	20	0	CI around mean	0.568	1.60
G307	UA	E005	Selenium, total	mg/L	08/16/16 - 05/02/24	19	84	CI around median	0.001	0.00150
G307	UA	E005	Sulfate, total	mg/L	08/16/16 - 05/02/24	21	0	CB around linear reg	406	367
G307	UA	E005	Thallium, total	mg/L	08/16/16 - 05/02/24	15	100	All ND - Last	0.002	0.00100
G307	UA	E005	Total Dissolved Solids	mg/L	08/16/16 - 05/02/24	21	0	CB around linear reg	887	1,010
G307D	LCU	E005	Antimony, total	mg/L	03/29/21 - 05/02/24	11	91	CB around T-S line	0.000428	0.003
G307D	LCU	E005	Arsenic, total	mg/L	03/29/21 - 05/02/24	11	18	CI around geomean	0.000956	0.00430
G307D	LCU	E005	Barium, total	mg/L	03/29/21 - 05/02/24	11	0	CB around linear reg	0.0123	0.120
G307D	LCU	E005	Beryllium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.001
G307D	LCU	E005	Boron, total	mg/L	03/29/21 - 05/02/24	11	0	CI around mean	1.22	3.20
G307D	LCU	E005	Cadmium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.001
G307D	LCU	E005	Chloride, total	mg/L	03/29/21 - 05/02/24	10	0	CB around linear reg	6.54	120
G307D	LCU	E005	Chromium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.0015	0.0110

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ASH POND NO. 1
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G307D	LCU	E005	Cobalt, total	mg/L	03/29/21 - 05/02/24	11	91	CB around T-S line	0.000714	0.00560
G307D	LCU	E005	Fluoride, total	mg/L	03/29/21 - 05/02/24	10	0	CI around mean	0.493	0.411
G307D	LCU	E005	Lead, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.00630
G307D	LCU	E005	Lithium, total	mg/L	03/29/21 - 05/02/24	11	91	CB around T-S line	-0.00209	0.0130
G307D	LCU	E005	Mercury, total	mg/L	03/29/21 - 05/02/24	11	91	CI around median	0.0002	0.00130
G307D	LCU	E005	Molybdenum, total	mg/L	03/29/21 - 05/02/24	11	0	CI around mean	0.00551	0.00150
G307D	LCU	E005	pH (field)	SU	03/29/21 - 05/02/24	11	0	CI around mean	7.1/7.3	6.6/7.3
G307D	LCU	E005	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 05/02/24	12	0	CI around geomean	0.223	1.60
G307D	LCU	E005	Selenium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.001	0.00150
G307D	LCU	E005	Sulfate, total	mg/L	03/29/21 - 05/02/24	10	0	CB around linear reg	491	367
G307D	LCU	E005	Thallium, total	mg/L	03/29/21 - 05/02/24	11	100	All ND - Last	0.002	0.00100
G307D	LCU	E005	Total Dissolved Solids	mg/L	03/29/21 - 05/02/24	10	0	CB around linear reg	906	1,010
G308	UA	E005	Antimony, total	mg/L	03/29/21 - 05/02/24	14	93	CB around T-S line	0.000655	0.003
G308	UA	E005	Arsenic, total	mg/L	03/29/21 - 05/02/24	14	86	CI around median	0.001	0.00430
G308	UA	E005	Barium, total	mg/L	03/29/21 - 05/02/24	14	0	CI around mean	0.0201	0.120
G308	UA	E005	Beryllium, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.001
G308	UA	E005	Boron, total	mg/L	03/29/21 - 05/02/24	14	0	CI around geomean	2.44	3.20
G308	UA	E005	Cadmium, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.001
G308	UA	E005	Chloride, total	mg/L	03/29/21 - 05/02/24	14	7	CB around T-S line	5.79	120
G308	UA	E005	Chromium, total	mg/L	03/29/21 - 05/02/24	14	93	CB around T-S line	0.00134	0.0110
G308	UA	E005	Cobalt, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.00560
G308	UA	E005	Fluoride, total	mg/L	03/29/21 - 05/02/24	14	7	CI around geomean	0.516	0.411
G308	UA	E005	Lead, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.001	0.00630
G308	UA	E005	Lithium, total	mg/L	03/29/21 - 05/02/24	14	71	CB around T-S line	0.00504	0.0130
G308	UA	E005	Mercury, total	mg/L	03/29/21 - 05/02/24	14	93	CI around median	0.0002	0.00130
G308	UA	E005	Molybdenum, total	mg/L	03/29/21 - 05/02/24	14	14	CI around median	0.0012	0.00150
G308	UA	E005	pH (field)	SU	03/29/21 - 05/02/24	14	0	CI around mean	7.1/7.3	6.6/7.3

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G308	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 05/02/24	13	0	CI around median	0.0476	1.60
G308	UA	E005	Selenium, total	mg/L	03/29/21 - 05/02/24	14	93	CI around median	0.001	0.00150
G308	UA	E005	Sulfate, total	mg/L	03/29/21 - 05/02/24	14	0	CB around linear reg	824	367
G308	UA	E005	Thallium, total	mg/L	03/29/21 - 05/02/24	14	100	All ND - Last	0.002	0.00100
G308	UA	E005	Total Dissolved Solids	mg/L	03/29/21 - 05/02/24	14	0	CB around linear reg	1,470	1,010
G310	UA	E005	Antimony, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.003
G310	UA	E005	Arsenic, total	mg/L	03/29/21 - 05/03/24	14	93	CI around median	0.001	0.00430
G310	UA	E005	Barium, total	mg/L	03/29/21 - 05/03/24	14	0	CI around mean	0.0148	0.120
G310	UA	E005	Beryllium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.001
G310	UA	E005	Boron, total	mg/L	03/29/21 - 05/03/24	14	0	CI around mean	1.72	3.20
G310	UA	E005	Cadmium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.001
G310	UA	E005	Chloride, total	mg/L	03/29/21 - 05/03/24	14	0	CB around linear reg	8.84	120
G310	UA	E005	Chromium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.0015	0.0110
G310	UA	E005	Cobalt, total	mg/L	03/29/21 - 05/03/24	14	71	CB around T-S line	0.00107	0.00560
G310	UA	E005	Fluoride, total	mg/L	03/29/21 - 05/03/24	14	14	CI around median	0.252	0.411
G310	UA	E005	Lead, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.00630
G310	UA	E005	Lithium, total	mg/L	03/29/21 - 05/03/24	14	71	CB around T-S line	0.00338	0.0130
G310	UA	E005	Mercury, total	mg/L	03/29/21 - 05/03/24	14	93	CI around median	0.0002	0.00130
G310	UA	E005	Molybdenum, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.0015	0.00150
G310	UA	E005	pH (field)	SU	03/29/21 - 05/03/24	14	0	CI around mean	7.0/7.2	6.6/7.3
G310	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 05/03/24	13	0	CI around median	0.0501	1.60
G310	UA	E005	Selenium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.001	0.00150
G310	UA	E005	Sulfate, total	mg/L	03/29/21 - 05/03/24	14	0	CB around T-S line	-1,000	367
G310	UA	E005	Thallium, total	mg/L	03/29/21 - 05/03/24	14	100	All ND - Last	0.002	0.00100
G310	UA	E005	Total Dissolved Solids	mg/L	03/29/21 - 05/03/24	14	0	CI around mean	1,170	1,010
G312	UA	E005	Antimony, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.003
G312	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/06/24	12	92	CI around median	0.001	0.00430

ATTACHMENT B.
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COFFEEN POWER PLANT
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G312	UA	E005	Barium, total	mg/L	03/30/21 - 05/06/24	12	0	CI around mean	0.0246	0.120
G312	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.001
G312	UA	E005	Boron, total	mg/L	03/30/21 - 05/06/24	12	0	CB around linear reg	1.87	3.20
G312	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.001
G312	UA	E005	Chloride, total	mg/L	03/30/21 - 05/06/24	12	0	CI around mean	22.2	120
G312	UA	E005	Chromium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.0015	0.0110
G312	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/06/24	12	25	CI around mean	0.00191	0.00560
G312	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/06/24	12	67	CI around median	0.21	0.411
G312	UA	E005	Lead, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.00630
G312	UA	E005	Lithium, total	mg/L	03/30/21 - 05/06/24	12	58	CI around median	0.018	0.0130
G312	UA	E005	Mercury, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.0002	0.00130
G312	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/06/24	12	92	CI around median	0.001	0.00150
G312	UA	E005	pH (field)	SU	03/30/21 - 05/06/24	12	0	CI around mean	6.3/6.5	6.6/7.3
G312	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 05/06/24	11	0	CI around mean	0.254	1.60
G312	UA	E005	Selenium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.001	0.00150
G312	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/06/24	12	0	CI around mean	745	367
G312	UA	E005	Thallium, total	mg/L	03/30/21 - 05/06/24	12	100	All ND - Last	0.002	0.00100
G312	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/06/24	12	0	CB around linear reg	1,500	1,010
G313	UA	E005	Antimony, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.003
G313	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/01/24	14	86	CI around median	0.001	0.00430
G313	UA	E005	Barium, total	mg/L	03/30/21 - 05/01/24	14	0	CB around linear reg	0.0146	0.120
G313	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.001
G313	UA	E005	Boron, total	mg/L	03/30/21 - 05/01/24	14	0	CI around median	3.3	3.20
G313	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.001
G313	UA	E005	Chloride, total	mg/L	03/30/21 - 05/01/24	14	7	CB around T-S line	17.2	120
G313	UA	E005	Chromium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.0015	0.0110
G313	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/01/24	14	79	CB around T-S line	0.000624	0.00560

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G313	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/01/24	14	7	CI around mean	0.243	0.411
G313	UA	E005	Lead, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.00630
G313	UA	E005	Lithium, total	mg/L	03/30/21 - 05/01/24	14	36	CI around median	0.02	0.0130
G313	UA	E005	Mercury, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.0002	0.00130
G313	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/01/24	14	29	CI around geomean	0.00102	0.00150
G313	UA	E005	pH (field)	SU	03/30/21 - 05/01/24	14	0	CI around mean	6.8/7.0	6.6/7.3
G313	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 05/01/24	13	0	CI around mean	0.246	1.60
G313	UA	E005	Selenium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.001	0.00150
G313	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/01/24	14	0	CB around T-S line	-469	367
G313	UA	E005	Thallium, total	mg/L	03/30/21 - 05/01/24	14	100	All ND - Last	0.002	0.00100
G313	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/01/24	14	0	CB around linear reg	1,260	1,010
G314	LCU	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	14	93	CB around T-S line	0.000587	0.003
G314	LCU	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	14	71	CI around median	0.001	0.00430
G314	LCU	E005	Barium, total	mg/L	03/30/21 - 04/30/24	14	0	CB around T-S line	-0.0568	0.120
G314	LCU	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
G314	LCU	E005	Boron, total	mg/L	03/30/21 - 04/30/24	14	0	CI around geomean	0.138	3.20
G314	LCU	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
G314	LCU	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	31	120
G314	LCU	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	14	79	CI around median	0.0019	0.0110
G314	LCU	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	14	7	CI around mean	0.00306	0.00560
G314	LCU	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	14	71	CB around T-S line	0.202	0.411
G314	LCU	E005	Lead, total	mg/L	03/30/21 - 04/30/24	14	86	CI around median	0.001	0.00630
G314	LCU	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	14	71	CB around T-S line	0.0047	0.0130
G314	LCU	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.0002	0.00130
G314	LCU	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	14	7	CB around linear reg	-0.00348	0.00150
G314	LCU	E005	pH (field)	SU	03/30/21 - 04/30/24	14	0	CI around mean	6.5/6.8	6.6/7.3
G314	LCU	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	13	0	CI around geomean	0.509	1.60

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314	LCU	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	14	86	CI around median	0.001	0.00150
G314	LCU	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	2,000	367
G314	LCU	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.002	0.00100
G314	LCU	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	14	0	CI around median	3,430	1,010
G314D	DA	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.003
G314D	DA	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	11	46	CI around median	0.001	0.00430
G314D	DA	E005	Barium, total	mg/L	03/30/21 - 04/30/24	11	0	CB around T-S line	0.00208	0.120
G314D	DA	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.001
G314D	DA	E005	Boron, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.154	3.20
G314D	DA	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.001
G314D	DA	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	10	0	CB around linear reg	-1.33	120
G314D	DA	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.0015	0.0110
G314D	DA	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	11	64	CI around median	0.002	0.00560
G314D	DA	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	10	0	CB around linear reg	0.349	0.411
G314D	DA	E005	Lead, total	mg/L	03/30/21 - 04/30/24	11	82	CI around median	0.001	0.00630
G314D	DA	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	11	36	CB around linear reg	0.0105	0.0130
G314D	DA	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.0002	0.00130
G314D	DA	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	-0.00623	0.00150
G314D	DA	E005	pH (field)	SU	03/30/21 - 04/30/24	11	0	CB around linear reg	6.6/7.0	6.6/7.3
G314D	DA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	11	0	CI around geomean	1.36	1.60
G314D	DA	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.00150
G314D	DA	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	10	0	CI around mean	846	367
G314D	DA	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.002	0.00100
G314D	DA	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	10	0	CI around median	1,800	1,010
G315	UA	E005	Antimony, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.003
G315	UA	E005	Arsenic, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.00430
G315	UA	E005	Barium, total	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	-0.00244	0.120

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G315	UA	E005	Beryllium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.001
G315	UA	E005	Boron, total	mg/L	03/30/21 - 05/02/24	14	0	CI around median	1.2	3.20
G315	UA	E005	Cadmium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.001
G315	UA	E005	Chloride, total	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	-33.5	120
G315	UA	E005	Chromium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.0015	0.0110
G315	UA	E005	Cobalt, total	mg/L	03/30/21 - 05/02/24	14	93	CB around T-S line	0.000845	0.00560
G315	UA	E005	Fluoride, total	mg/L	03/30/21 - 05/02/24	14	0	CI around median	0.261	0.411
G315	UA	E005	Lead, total	mg/L	03/30/21 - 05/02/24	14	93	CI around median	0.001	0.00630
G315	UA	E005	Lithium, total	mg/L	03/30/21 - 05/02/24	14	71	CB around T-S line	0.00334	0.0130
G315	UA	E005	Mercury, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.0002	0.00130
G315	UA	E005	Molybdenum, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.0015	0.00150
G315	UA	E005	pH (field)	SU	03/30/21 - 05/02/24	14	0	CI around mean	6.7/6.9	6.6/7.3
G315	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 05/02/24	13	0	CI around mean	0.121	1.60
G315	UA	E005	Selenium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.001	0.00150
G315	UA	E005	Sulfate, total	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	221	367
G315	UA	E005	Thallium, total	mg/L	03/30/21 - 05/02/24	14	100	All ND - Last	0.002	0.00100
G315	UA	E005	Total Dissolved Solids	mg/L	03/30/21 - 05/02/24	14	0	CB around T-S line	196	1,010
G316	LCU	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	14	93	CB around T-S line	0.000593	0.003
G316	LCU	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.00725	0.00430
G316	LCU	E005	Barium, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.0664	0.120
G316	LCU	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
G316	LCU	E005	Boron, total	mg/L	03/30/21 - 04/30/24	14	0	CI around mean	0.368	3.20
G316	LCU	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.001
G316	LCU	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	24	120
G316	LCU	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.0015	0.0110
G316	LCU	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.00222	0.00560
G316	LCU	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	14	43	CI around median	0.25	0.411

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G316	LCU	E005	Lead, total	mg/L	03/30/21 - 04/30/24	14	93	CI around median	0.001	0.00630
G316	LCU	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.003	0.0130
G316	LCU	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.0002	0.00130
G316	LCU	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	14	0	CB around linear reg	0.0039	0.00150
G316	LCU	E005	pH (field)	SU	03/30/21 - 04/30/24	14	0	CI around mean	6.9/7.1	6.6/7.3
G316	LCU	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	13	0	CI around geomean	0.369	1.60
G316	LCU	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.001	0.00150
G316	LCU	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	14	0	CI around median	662	367
G316	LCU	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	14	100	All ND - Last	0.002	0.00100
G316	LCU	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	14	0	CI around median	1,600	1,010

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

DA = Deep Aquifer

LCU = Lower Confining Unit

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

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 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G301	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	90	CB around T-S line	0.00168	0.003
G301	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	68	CI around median	0.001	0.00430
G301	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CB around T-S line	-0.0135	0.120
G301	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.001
G301	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	2.16	3.20
G301	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	96	CI around median	0.001	0.001
G301	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	0	CB around T-S line	6.16	120
G301	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	64	CB around T-S line	0.000572	0.0110
G301	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	28	CB around T-S line	0.00019	0.00560
G301	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	0.411
G301	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	52	CB around T-S line	-0.000324	0.00630
G301	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.01	0.0130
G301	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.00130
G301	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.0015	0.00150
G301	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.3/6.7	6.6/7.3
G301	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around mean	0.502	1.60
G301	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.00150
G301	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	453	367
G301	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.00100
G301	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	862	1,010
G302	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.001	0.003
G302	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.001	0.00430
G302	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.029	0.120
G302	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.001
G302	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	1.69	3.20
G302	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.001	0.001
G302	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	4	CI around mean	12.3	120

ATTACHMENT B.
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ASH POND NO. 1
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G302	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	68	CB around T-S line	0.00197	0.0110
G302	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.002	0.00560
G302	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	0.411
G302	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	56	CI around median	0.001	0.00630
G302	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	28	CB around linear reg	0.0112	0.0130
G302	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.00130
G302	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.001	0.00150
G302	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.5/6.8	6.6/7.3
G302	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.381	1.60
G302	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	96	CI around median	0.001	0.00150
G302	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	386	367
G302	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.00100
G302	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	989	1,010
G303	UA	E006	Antimony, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.001	0.003
G303	UA	E006	Arsenic, total	mg/L	11/20/15 - 07/31/24	25	4	CB around T-S line	-0.00359	0.00430
G303	UA	E006	Barium, total	mg/L	11/20/15 - 07/31/24	25	0	CI around median	0.0156	0.120
G303	UA	E006	Beryllium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.001
G303	UA	E006	Boron, total	mg/L	11/20/15 - 07/31/24	26	0	CB around T-S line	1.78	3.20
G303	UA	E006	Cadmium, total	mg/L	11/20/15 - 07/31/24	25	100	All ND - Last	0.001	0.001
G303	UA	E006	Chloride, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	25.4	120
G303	UA	E006	Chromium, total	mg/L	11/20/15 - 07/31/24	25	84	CB around T-S line	0.00166	0.0110
G303	UA	E006	Cobalt, total	mg/L	11/20/15 - 07/31/24	25	28	CI around geomean	0.00162	0.00560
G303	UA	E006	Fluoride, total	mg/L	11/20/15 - 07/31/24	26	23	CI around median	0.268	0.411
G303	UA	E006	Lead, total	mg/L	11/20/15 - 07/31/24	25	84	CI around median	0.001	0.00630
G303	UA	E006	Lithium, total	mg/L	11/20/15 - 07/31/24	25	0	CB around linear reg	0.0151	0.0130
G303	UA	E006	Mercury, total	mg/L	11/20/15 - 07/31/24	20	90	CI around median	0.0002	0.00130
G303	UA	E006	Molybdenum, total	mg/L	11/20/15 - 07/31/24	25	0	CI around mean	0.00177	0.00150

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G303	UA	E006	pH (field)	SU	11/20/15 - 07/31/24	26	0	CB around linear reg	6.6/6.9	6.6/7.3
G303	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 07/31/24	25	0	CI around geomean	0.499	1.60
G303	UA	E006	Selenium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.00150
G303	UA	E006	Sulfate, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	605	367
G303	UA	E006	Thallium, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.002	0.00100
G303	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 07/31/24	26	0	CI around mean	1,530	1,010
G305	UA	E006	Antimony, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.003
G305	UA	E006	Arsenic, total	mg/L	05/19/16 - 08/01/24	12	67	CI around median	0.001	0.00430
G305	UA	E006	Barium, total	mg/L	05/19/16 - 08/01/24	12	0	CB around T-S line	-0.0338	0.120
G305	UA	E006	Beryllium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.001
G305	UA	E006	Boron, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	2.09	3.20
G305	UA	E006	Cadmium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.001
G305	UA	E006	Chloride, total	mg/L	05/19/16 - 08/01/24	12	0	CI around geomean	19.2	120
G305	UA	E006	Chromium, total	mg/L	05/19/16 - 08/01/24	12	58	CB around T-S line	-0.0205	0.0110
G305	UA	E006	Cobalt, total	mg/L	05/19/16 - 08/01/24	12	75	CB around T-S line	-0.00239	0.00560
G305	UA	E006	Fluoride, total	mg/L	05/19/16 - 08/01/24	12	8	CI around mean	0.35	0.411
G305	UA	E006	Lead, total	mg/L	05/19/16 - 08/01/24	12	33	CI around median	0.001	0.00630
G305	UA	E006	Lithium, total	mg/L	05/19/16 - 08/01/24	12	33	CB around T-S line	-0.0022	0.0130
G305	UA	E006	Mercury, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.0002	0.00130
G305	UA	E006	Molybdenum, total	mg/L	05/19/16 - 08/01/24	12	58	CI around median	0.001	0.00150
G305	UA	E006	pH (field)	SU	05/19/16 - 08/01/24	12	0	CI around mean	7.0/7.3	6.6/7.3
G305	UA	E006	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 08/01/24	12	0	CI around geomean	0.29	1.60
G305	UA	E006	Selenium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.00150
G305	UA	E006	Sulfate, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	814	367
G305	UA	E006	Thallium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.002	0.00100
G305	UA	E006	Total Dissolved Solids	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	1,380	1,010
G307	UA	E006	Antimony, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.001	0.003

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G307	UA	E006	Arsenic, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.00430
G307	UA	E006	Barium, total	mg/L	08/16/16 - 08/01/24	21	0	CI around geomean	0.0304	0.120
G307	UA	E006	Beryllium, total	mg/L	08/16/16 - 08/01/24	20	95	CI around median	0.001	0.001
G307	UA	E006	Boron, total	mg/L	08/16/16 - 08/01/24	22	0	CI around mean	2.01	3.20
G307	UA	E006	Cadmium, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.001
G307	UA	E006	Chloride, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	7.75	120
G307	UA	E006	Chromium, total	mg/L	08/16/16 - 08/01/24	21	48	CI around geomean	0.00188	0.0110
G307	UA	E006	Cobalt, total	mg/L	08/16/16 - 08/01/24	22	0	CI around median	0.0026	0.00560
G307	UA	E006	Fluoride, total	mg/L	08/16/16 - 08/01/24	22	9	CI around median	0.299	0.411
G307	UA	E006	Lead, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.001	0.00630
G307	UA	E006	Lithium, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.012	0.0130
G307	UA	E006	Mercury, total	mg/L	08/16/16 - 08/01/24	16	88	CI around median	0.0002	0.00130
G307	UA	E006	Molybdenum, total	mg/L	08/16/16 - 08/01/24	21	19	CI around median	0.0013	0.00150
G307	UA	E006	pH (field)	SU	08/16/16 - 08/01/24	23	0	CI around mean	7.0/7.2	6.6/7.3
G307	UA	E006	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 08/01/24	21	0	CI around mean	0.598	1.60
G307	UA	E006	Selenium, total	mg/L	08/16/16 - 08/01/24	20	85	CI around median	0.001	0.00150
G307	UA	E006	Sulfate, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	390	367
G307	UA	E006	Thallium, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.002	0.00100
G307	UA	E006	Total Dissolved Solids	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	863	1,010
G307D	LCU	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000368	0.003
G307D	LCU	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	12	17	CI around median	0.001	0.00430
G307D	LCU	E006	Barium, total	mg/L	03/29/21 - 08/01/24	12	0	CB around T-S line	-0.0277	0.120
G307D	LCU	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.001
G307D	LCU	E006	Boron, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	1.27	3.20
G307D	LCU	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.001
G307D	LCU	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	6.13	120
G307D	LCU	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.0015	0.0110

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G307D	LCU	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000676	0.00560
G307D	LCU	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	11	9	CI around mean	0.44	0.411
G307D	LCU	E006	Lead, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.00630
G307D	LCU	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	-0.0027	0.0130
G307D	LCU	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	12	92	CI around median	0.0002	0.00130
G307D	LCU	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	0.00505	0.00150
G307D	LCU	E006	pH (field)	SU	03/29/21 - 08/01/24	12	0	CI around mean	7.1/7.3	6.6/7.3
G307D	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	13	0	CI around geomean	0.255	1.60
G307D	LCU	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.00150
G307D	LCU	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	482	367
G307D	LCU	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.002	0.00100
G307D	LCU	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	880	1,010
G308	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000351	0.003
G308	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	87	CI around median	0.001	0.00430
G308	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0197	0.120
G308	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G308	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around geomean	2.46	3.20
G308	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G308	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	7	CB around T-S line	5.31	120
G308	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000715	0.0110
G308	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00560
G308	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	7	CI around median	0.481	0.411
G308	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00630
G308	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00355	0.0130
G308	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.00130
G308	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	13	CI around mean	0.00113	0.00150
G308	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.1/7.3	6.6/7.3

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G308	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0476	1.60
G308	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.00150
G308	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	804	367
G308	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.00100
G308	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	1,440	1,010
G310	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.003
G310	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.00430
G310	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0148	0.120
G310	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G310	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	1.73	3.20
G310	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G310	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	8.5	120
G310	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.0110
G310	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.000986	0.00560
G310	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	20	CI around geomean	0.268	0.411
G310	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00630
G310	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00208	0.0130
G310	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.00130
G310	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.00150
G310	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.0/7.2	6.6/7.3
G310	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0501	1.60
G310	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00150
G310	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around T-S line	-1,100	367
G310	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.00100
G310	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	851	1,010
G312	UA	E006	Antimony, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.003
G312	UA	E006	Arsenic, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.00430

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G312	UA	E006	Barium, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	0.0248	0.120
G312	UA	E006	Beryllium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.001
G312	UA	E006	Boron, total	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	2.31	3.20
G312	UA	E006	Cadmium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.001
G312	UA	E006	Chloride, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	22.6	120
G312	UA	E006	Chromium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0015	0.0110
G312	UA	E006	Cobalt, total	mg/L	03/30/21 - 08/05/24	13	23	CI around mean	0.00189	0.00560
G312	UA	E006	Fluoride, total	mg/L	03/30/21 - 08/05/24	13	69	CI around median	0.22	0.411
G312	UA	E006	Lead, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.00630
G312	UA	E006	Lithium, total	mg/L	03/30/21 - 08/05/24	13	54	CI around median	0.0188	0.0130
G312	UA	E006	Mercury, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0002	0.00130
G312	UA	E006	Molybdenum, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.00150
G312	UA	E006	pH (field)	SU	03/30/21 - 08/05/24	13	0	CI around mean	6.3/6.5	6.6/7.3
G312	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/05/24	12	0	CI around mean	0.228	1.60
G312	UA	E006	Selenium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.00150
G312	UA	E006	Sulfate, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	758	367
G312	UA	E006	Thallium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.002	0.00100
G312	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	1,600	1,010
G313	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.003
G313	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.00430
G313	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0147	0.120
G313	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G313	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3.3	3.20
G313	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G313	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	7	CB around T-S line	16.7	120
G313	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.0110
G313	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	80	CB around T-S line	0.000561	0.00560

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G313	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	13	CI around mean	0.244	0.411
G313	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00630
G313	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	33	CI around median	0.0192	0.0130
G313	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G313	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	27	CI around geomean	0.00103	0.00150
G313	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CB around linear reg	6.6/6.9	6.6/7.3
G313	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.282	1.60
G313	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00150
G313	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-88.2	367
G313	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G313	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	1,280	1,010
G314	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000407	0.003
G314	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.001	0.00430
G314	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-0.0179	0.120
G314	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G314	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around geomean	0.138	3.20
G314	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G314	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	31	120
G314	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	80	CI around median	0.0015	0.0110
G314	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	7	CI around mean	0.00314	0.00560
G314	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.22	0.411
G314	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.00630
G314	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00133	0.0130
G314	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G314	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	13	CB around linear reg	-0.00362	0.00150
G314	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.5/6.8	6.6/7.3
G314	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.545	1.60

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.00150
G314	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	2,000	367
G314	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G314	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3,400	1,010
G314D	DA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.003
G314D	DA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	12	42	CI around median	0.001	0.00430
G314D	DA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	12	0	CB around T-S line	0.0207	0.120
G314D	DA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.001
G314D	DA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	12	0	CI around mean	0.157	3.20
G314D	DA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.001
G314D	DA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	-0.301	120
G314D	DA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0015	0.0110
G314D	DA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	12	58	CI around median	0.002	0.00560
G314D	DA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	0.356	0.411
G314D	DA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	12	83	CI around median	0.001	0.00630
G314D	DA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	12	33	CB around linear reg	0.00943	0.0130
G314D	DA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0002	0.00130
G314D	DA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	12	0	CB around linear reg	-0.00607	0.00150
G314D	DA	E006	pH (field)	SU	03/30/21 - 07/31/24	12	0	CB around linear reg	6.6/6.9	6.6/7.3
G314D	DA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	12	0	CI around geomean	1.26	1.60
G314D	DA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.00150
G314D	DA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	11	0	CI around mean	871	367
G314D	DA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.002	0.00100
G314D	DA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	11	0	CI around median	1,800	1,010
G315	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.003
G315	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00430
G315	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	0.00267	0.120

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G315	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G315	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1.2	3.20
G315	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G315	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-40.4	120
G315	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.0110
G315	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000774	0.00560
G315	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	7	CI around median	0.253	0.411
G315	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.00630
G315	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00153	0.0130
G315	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G315	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.00150
G315	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.7/6.9	6.6/7.3
G315	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.169	1.60
G315	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00150
G315	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	302	367
G315	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G315	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	1,090	1,010
G316	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	87	CB around T-S line	0.000493	0.003
G316	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00758	0.00430
G316	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0672	0.120
G316	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G316	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	0.374	3.20
G316	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G316	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	24	120
G316	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.0110
G316	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00207	0.00560
G316	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	47	CI around median	0.25	0.411

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G316	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.00630
G316	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.003	0.0130
G316	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G316	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00408	0.00150
G316	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.9/7.1	6.6/7.3
G316	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.339	1.60
G316	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00150
G316	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	662	367
G316	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G316	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1,470	1,010

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
DA = Deep Aquifer
LCU = Lower Confining Unit
UA = Uppermost Aquifer
mg/L = milligrams per liter
Missing Code (if applicable):
NR[1] = Select parameters were not analyzed.
NS[1] = This well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
NS[3] = A sample was not collected because the location was inaccessible.
NS[4] = The location could not be found, therefore a sample was not collected.
NS[5] = A sample was not collected because of damage to the well.
NS[6] = A sample was not collected because of pump issues.
NS[7] = A sample was not collected because the well was either dry or was purged dry and did not recover.
PM[1] = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
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