



Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

COAL COMBUSTION RESIDUALS GROUNDWATER, LEACHATE, AND FACILITY REPORTING FORM

This form must be used as a cover sheet for the notices and reports identified below as required by the facility's Coal Combustion Residuals (CCR) permit for any CCR Surface Impoundments (CCRSIs). All reports must be submitted to the Illinois EPA's Bureau of Land, Permit Section. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form is not to be used with permit applications. The facility's approved permit will state whether the document you are submitting is required as a report or an application.

1.0 Facility Identification

Facility Name: Joppa Power Plant- EAP

Facility Address: 2100 Portland Road, Joppa, IL

Site ID #: 1270100001

Fed ID #: _____

2.0 Type of Submission

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

- ☐ LPC-160 Forms (electronic reporting for each sampling event)

Groundwater

Leachate

____ Quarterly - Enter 1, 2, 3, or 4

____ Quarterly - Enter 1, 2, 3, or 4

☐ Semi-Annual

☐ Semi-Annual

☐ Annual

☐ Annual

- ☐ Groundwater Data (without LPC-160 Forms) (35 IAC 845.610(b)(3)(D))

____ Quarterly - Enter 1, 2, 3, or 4

☐ Semi-Annual

☐ Annual

- ☐ Well Construction Information

☐ Well Construction Forms, Boring Logs and/or Abandonment Forms

☐ Well Survey Data (e.g., Stick-up Elevation Data)

- ☐ Quarterly Fugitive Dust Complaint Report (35 IAC 845.500(b)(2)(B))

- ☐ Emergency Action Plan (35 IAC 845.520(f))

- ☒ Annual Consolidated Report (35 IAC 845.550(a))

- ☐ Notice of Confirmed Increase of Groundwater Exceedance from Re-sample (35 IAC 845.650(d))

- ☐ Notice of Plume Contamination Off-Site (35 IAC 845.650(d)(2))

- ☐ Alternate Source Demonstration (35 IAC 845.650(e))

- ☐ Assessment of Corrective Measures (35 IAC 845.660(a)(2))
- ☐ Corrective Action
 - ☐ Semi-Annual Report (35 IAC 845.670(a))
 - ☐ Corrective Action Completion Report (35 IAC 845.680(e))
- ☐ Closure Extension Progress Report (35 IAC 845.700(e))
- ☐ Monthly Closure by Removal Report (during active removal) (35 IAC 845.740(d))
- ☐ Annual Inflation Adjustment of Cost Estimates (35 IAC 845.940(a))
- ☐ Other (Identify)

Electric Energy, Inc
1500 Eastport Plaza Dr.
Collinsville, IL 62234

January 30, 2026

Illinois Environmental Protection Agency
2520 West Iles
P.O. Box 19276
Springfield, IL 62794-9276

Re: Joppa East Ash Pond (IEPA ID: W127010004-02) 2025 Annual Consolidated Report

Dear Mr. LeCrone:

In accordance with 35 IAC § 845.550, Energy Electric, Inc (EEI) is submitting the annual consolidated report for the Joppa East Ash Pond (IEPA ID: W127010004-02), as enclosed.

Sincerely,

A handwritten signature in blue ink that reads "Dianna Tickner". The signature is fluid and cursive, with the first name "Dianna" and last name "Tickner" clearly distinguishable.

Dianna Tickner
Sr. Director Decommissioning & Demolition

Enclosures

Annual Consolidated Report
Electric Energy, Inc
Joppa Power Plant
East Ash Pond; IEPA ID **W127010004-02**

In accordance with 35 IAC § 845.550, Electric Energy, Inc (EEI) 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

Retired Joppa Power Plant

Prepared for:

Vistra Corp.

**Electric Energy Inc.
2100 Portland Road
Joppa, IL 62953**

November 2025

**Retired Joppa Power Plant
ANNUAL CCR FUGITIVE DUST CONTROL REPORT**

Reporting Year: 4th Quarter 2024 through 3rd Quarter 2025

Signed by:


Name

Plant Closure Manager

Title

This Annual CCR Fugitive Dust Control Report has been prepared for the Retired Joppa Power Plant in accordance with 40 CFR 257.80(c) and 35 IAC 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 Joppa Power Plant CCR Fugitive Dust Control Plan (Plan), the following measures were used to control CCR fugitive dust from becoming airborne at the facility during the reporting year:

CCR Activity	Actions Taken to Control CCR Fugitive Dust
Management of CCR in the facility's CCR units	CCR to be emplaced in the landfill will be conditioned before loading into vehicles for transport to the landfill.
	Water areas of exposed CCR in CCR units, as necessary.
	Naturally occurring grass vegetation in areas of exposed CCR in CCR surface impoundments.
	Apply chemical dust suppressant on areas of exposed CCR in CCR units, as necessary.
Handling of CCR at the facility	Pneumatically convey dry CCR fly ash to storage silos in an enclosed system.
	CCR fly ash to be emplaced in the landfill will be conditioned before loading into trucks for transport to the landfill.
	CCR fly ash to be placed in the surface impoundments is conditioned before loading into trucks for transport to the surface impoundments.
	Load CCR dry fly ash to transport trucks from the CCR fly ash silos using a telescoping chute.

**Retired Joppa Power Plant
ANNUAL CCR FUGITIVE DUST CONTROL REPORT**

CCR Activity	Actions Taken to Control CCR Fugitive Dust
Handling of CCR at the facility	Perform housekeeping, as necessary, in the fly ash loading area.
	Operate fly ash handling system in accordance with good operating practices.
	Maintain and repair as necessary dust controls on the fly ash handling system.
Transportation of CCR at the facility	CCR to be emplaced in the landfill will be conditioned before loaded into vehicles for transport to the landfill.
	CCR fly ash to be placed in the surface impoundments is conditioned before loading into trucks for transport to the surface impoundments
	Cover or enclose trucks used to transport CCR onsite, as necessary.
	Limit the speed of vehicles to no more than 15 mph on facility roads.
	Sweep or rinse off the outside of the trucks transporting CCR, as necessary.
	Cover or enclose trucks used to transport CCR offsite.
	Water CCR haul roads, as necessary.
	Remove CCR deposited on facility road surfaces during transport 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. Due to plant closure on Aug 31st, 2022, sluicing bottom ash and wet transport of ash to the landfill and at the CCR surface impoundments was removed from this report.

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

Section 2 Record of Citizen Complaints

No citizen complaints were received regarding CCR fugitive dust at the Retired Joppa Power Plant in the reporting year.

Section 2

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

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

ANNUAL INSPECTION BY A QUALIFIED PROFESSIONAL ENGINEER

35 IAC § 845.540

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

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

SITE INFORMATION

Site Name / Address / Date of Inspection	Electric Energy, Inc. Massac County, Illinois 62017 10/8/2025
Operator Name / Address	Luminant Generation Company LLC 6555 Sierra Drive, Irving, TX 75039
CCR unit	East Ash Pond

INSPECTION REPORT 35 IAC § 845.540

(b)(1)(D) The annual hazard potential classification certification, if applicable (see Section 845.440).	Based on a review of the CCR unit's annual hazard potential classification, the unit is classified as a Class I CCR surface impoundment.
(b)(2)(A) Any changes in geometry of the structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, no changes in geometry of the structure have taken place since the previous annual inspection.
(b)(2)(B) The location and type of existing instrumentation and the maximum recorded readings of each instrument since the previous annual inspection	See the attached.
b)(2)(C) The approximate minimum, maximum, and present depth and elevation of the impounded water and CCR since the previous annual inspection:	See the attached.
b)(2)(D) The storage capacity of the impounding structure at the time of the inspection	Approximately 6400 acre-feet
(b)(2)(E) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 4015 acre-feet
(b)(2)(F) Any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit	Based on a review of the CCR unit's records and visual observation during the on-site inspection, there was no appearance of an actual or potential structural weakness of the CCR unit, nor an existing condition that is disrupting or would disrupt the operation and safety of the unit.

INSPECTION REPORT 35 IAC § 845.540

(b)(2)(G) Any other changes that may have affected the stability or operation of the impounding structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, no other changes which may have affected the stability or operation of the CCR unit have taken place since the previous annual inspection.
(b)(1)(G) The inflow design flood control system plan certification (see Section 845.510(c))	Based on a review of the CCR unit's records, the CCR unit is designed, operated, and maintained to adequately manage the flow from the CCR impoundment and control the peak discharge from the inflow design flood.

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

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



James Knutelski, PE
 Illinois PE No. 062-054206, Expires: 11/30/2027
 Date: 12/23/2025

Site Name: Electric Energy, Inc.

CCR Unit: East Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
JOP-P004	Piezometer	349.2'
JOP-P005	Piezometer	348.3'
JOP-P007	Piezometer	322.2'
JOP-P008	Piezometer	350.9'
JOP-P009	Piezometer	359.5'
JOP-P011	Piezometer	329.5'
JOP-P012	Piezometer	345.4'
JOP-P014	Piezometer	331.1'
JOP-P015	Piezometer	abandoned
JOP-P016	Piezometer	349.1'
JOP-P020	Piezometer	352.6'
JOP-P023	Piezometer	365.6'

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		354			9	
CCR	375		385	66		76

Section 3

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

Prepared for
Electric Energy, Inc.

Date
January 31, 2026

Project No.
1940106781-009

**2025 35 I.A.C. § 845 ANNUAL
GROUNDWATER MONITORING AND
CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS
IEPA ID NO. W1270100004-02**

**2025 35 I.A.C. § 845 ANNUAL GROUNDWATER
MONITORING AND CORRECTIVE ACTION REPORT
JOPPA POWER PLANT EAST ASH POND**

Project name **Joppa Power Plant East Ash Pond**
Project no. **1940106781-009**
Recipient **Electric Energy, Inc.**
Document type **Annual Groundwater Monitoring and Corrective Action Report**
Version **FINAL**
Date **January 31, 2026**
Prepared by **Alanna Tabares**
Checked by **Lauren D. Cook**
Approved by **Brian G. Hennings, PG**
Description **Annual Report required by 35 I.A.C. § 845**

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Project Officer, Hydrogeology

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TABLES (IN TEXT)

Table A	35 I.A.C. § 845 Monitoring Program Summary for 2025
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TABLES (ATTACHED)

Table 1	Field Parameters and Analytical Results - Quarter 1, 2025
	Field Parameters and Analytical Results - Quarter 2, 2025
	Field Parameters and Analytical Results - Quarter 3, 2025
	Field Parameters and Analytical Results - Quarter 4, 2025
Table 2	Evaluation of Compliance - Quarter 1, 2025
	Evaluation of Compliance - Quarter 2, 2025
	Evaluation of Compliance - Quarter 3, 2025

FIGURES (ATTACHED)

Figure 1	Monitoring Well Location Map
Figure 2	GWPS Exceedance Map Uppermost Aquifer Quarters 1-3, 2025
Figure 3	Potentiometric Surface Map, January 28, 2025
Figure 4	Potentiometric Surface Map, February 21, 2025
Figure 5	Potentiometric Surface Map, March 20, 2025
Figure 6	Potentiometric Surface Map, April 21, 2025
Figure 7	Potentiometric Surface Map, May 9, 2025
Figure 8	Potentiometric Surface Map, June 9, 2025
Figure 9	Potentiometric Surface Map, July 14 and 15, 2025
Figure 10	Potentiometric Surface Map, August 4, 2025
Figure 11	Potentiometric Surface Map, September 10, 2025
Figure 12	Potentiometric Surface Map, October 10, 2025
Figure 13	Potentiometric Surface Map, November 10, 2025
Figure 14	Potentiometric Surface Map, December 3 and 4, 2025

ATTACHMENTS

- Attachment A Groundwater Elevation Data
- Attachment B Comparison to Background - Quarter 1, 2025
 - Comparison to Background - Quarter 2, 2025
 - Comparison to Background - Quarter 3, 2025

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
ASD	Alternative Source Demonstration
CCR	coal combustion residuals
CMA	assessment of corrective measures
E008	Quarter 1, 2025 sampling event
E009	Quarter 2, 2025 sampling event
E009R	Quarter 2, 2025 resample event
E0010	Quarter 3, 2025 sampling event
E0011	Quarter 4, 2025 sampling event
EAP	East Ash Pond
EEI	Electric Energy, Inc.
GMP	Groundwater Monitoring Plan
GWPS	groundwater protection standard
ID	identification
IEPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
JPP	Joppa Power Plant
NID	National Inventory of Dams
No.	number
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SI	surface impoundment
SSI	statistically significant increase

EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(e) (*Annual Groundwater Monitoring and Corrective Action Report*) for East Ash Pond (EAP) located at Joppa Power Plant (JPP) near Joppa, Illinois. The EAP is recognized by coal combustion residuals (CCR) unit identification (ID) number (No.) 401, Illinois Environmental Protection Agency (IEPA) ID No. W1270100004-02, and National Inventory of Dams (NID) No. IL50714.

As required by 35 I.A.C. § 845, an operating permit application for the EAP was submitted by Electric Energy, Inc. (EEI) to the IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. The 35 I.A.C. § 845 groundwater monitoring in accordance with the proposed Groundwater Monitoring Plan (GMP, Ramboll Americas Engineering Solutions, Inc [Ramboll], 2021) and sampling methodologies provided in the operating permit application for the EAP commenced in the second quarter of 2023. All available groundwater monitoring data collected in 2025 is summarized in **Table 1** (field parameters and analytical results) and **Attachment A** (groundwater elevation data). After the EAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

No changes were made to the monitoring system in 2025 (no wells were installed or decommissioned). The GMP was revised (Ramboll, 2025f) to document the replacement of staff gage SG02 with SG03 in 2024.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan, constituent concentrations observed at compliance monitoring wells were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ of the GWPS (**Table 2**). The following GWPS exceedances were determined in 2025² (Ramboll, 2025a; Ramboll, 2025b; Ramboll, 2025c):

- Boron in G06, G07, G08, and G09
- pH in G51D

An Alternative Source Demonstration (ASD) was submitted on October 21, 2023 for the exceedances of the cobalt and pH GWPSs detected at monitoring wells G05, G11, and G51D during the Quarter 2, 2023 sampling event. The IEPA provided a written response on November 16, 2023 that it did not concur with the ASD. Both of these documents were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024a; included in the 2023 Annual Consolidated Report). As allowed by 35 I.A.C. § 845.650(e)(7), EEI filed a petition with the Illinois Pollution Control Board (IPCB; case number 2024-045³) for review of the IEPA's non-concurrence on December 22, 2023 and requested a partial stay of the requirements of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance of the

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 GMP (Ramboll, 2021) which was submitted to the IEPA on October 25, 2021 and subsequently revised on September 4, 2025 (Ramboll, 2025f) as part of EEI's operating permit application for the JPP EAP. That operating permit application remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

² GWPS Exceedances determined after January 31, 2026 will be reported in the Quarter 4, 2025 Groundwater Monitoring Data and Detected Exceedances Report.

³ <https://pcb.illinois.gov/Cases/GetCaseDetailsById?caseId=17454>

cobalt and pH GWPS detected at monitoring wells G05, G11, and G51D. This request was unopposed by the IEPA and the IPCB granted it on February 1, 2024. The outcome of these non-concurrence review proceedings is pending.

As required by 35 I.A.C. § 845.650(d)(3) an assessment of corrective measures (CMA) was initiated on November 20, 2023. A CMA extension request was submitted to the IEPA on November 21, 2023 and an addendum to the CMA extension request incorporating the cobalt and pH GWPS exceedances was submitted to the IEPA on November 30, 2023. The CMA extension request and addendum were approved on December 11, 2023. The CMA extension request and approval letter were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024a; included in the 2023 Annual Consolidated Report). No exceedances of the cobalt GWPS were determined for samples collected in 2025. No ASDs for pH were submitted in 2025 and none will be submitted pending IPCB's final action on EEI's appeal of the IEPA ASD denial.

The CMA was completed in accordance with 35 I.A.C. § 845.660 and submitted to the IEPA on April 18, 2024 (Ramboll, 2024b). In accordance with 35 I.A.C. § 845.670, semiannual reports describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan were submitted to the IEPA on April 18, 2025 (Ramboll, 2025d) and October 18, 2025 (Ramboll, 2025e).

As required by 35 I.A.C. § 845.670, a corrective action plan that identifies the selected remedy must be submitted to the IEPA within one year after completing the CMA. Prior to submission of the corrective action plan, a public meeting was held on March 19, 2025, pursuant to requirements under 35 I.A.C. § 845.660(d). A corrective action plan was submitted to IEPA on April 18, 2025 in accordance with 35 I.A.C. § 845.670 (Ramboll, 2025g; included in the Construction Permit Application) and is pending approval; which is required prior to initiating remedial activities.

As indicated in the corrective action plan, a groundwater extraction system is currently being implemented as a preliminary corrective action in accordance with the compliance commitment agreement dated May 21, 2024; and modified February 27, 2025 (IEPA, 2024; IEPA, 2025). The extraction system began operation on September 24, 2025 to contain and control easterly migration of groundwater off site.

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

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

- A. A map, aerial image, or diagram showing the CCR SI and all background (or upgradient) and [downgradient] compliance monitoring wells, including the well identification numbers, that are part of the groundwater monitoring program for the CCR SI (**Figure 1**) and a visual delineation of any exceedances of the GWPS (**Figure 2**).
- 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 3 through 14**).
- 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 CMA was initiated for the CCR SI.
- F. Provide the date when the CMA 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 JPP EAP for calendar year 2025.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

An operating permit application for the EAP was submitted by EEI to the IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. The 35 I.A.C. § 845 groundwater monitoring in accordance with the proposed GMP and sampling methodologies provided in the operating permit application for the EAP commenced in the second quarter of 2023. After the EAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

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

As noted in the **Executive Summary**, GWPS exceedances were determined for the EAP in 2025. An ASD was submitted on October 21, 2023 for the exceedances of the cobalt and pH GWPSs detected at monitoring wells G05, G11, and G51D during the Quarter 2, 2023 sampling event. The IEPA provided a written response on November 16, 2023 that it did not concur with the ASD. Both of these documents were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024d). As allowed by 35 I.A.C. § 845.650(e)(7), EEI filed a petition with the IPCB (case number 2024-45) for review of the IEPA's non-concurrence on December 22, 2023 and requested a partial stay of the requirements of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance of the cobalt and pH GWPS detected at monitoring wells G05, G11, and G51D. This request was unopposed by the IEPA and the IPCB granted it on February 1, 2024. DMG filed a joint consolidated motion with the IPCB on April 12, 2024 to stay these non-concurrence review proceedings pending the outcome of another similar case, which IPCB granted on May 2, 2024 and extended on July 25, 2024. The outcome of the other similar case is pending Summary Judgement by the IPCB.

The CMA was initiated on November 20, 2023. A CMA extension request was submitted to the IEPA on November 21, 2023 and an addendum to the CMA extension request incorporating the cobalt and pH GWPS exceedances was submitted to the IEPA on November 30, 2023. The CMA extension request, addendum, and approval letter were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024a; included in the 2023 Annual Consolidated Report).

The CMA was completed in accordance with 35 I.A.C. § 845.660 and submitted to the IEPA on April 18, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, semiannual reports describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan were submitted to IEPA on April 18, 2025 (Ramboll, 2025d) and October 18, 2025 (Ramboll, 2025e).

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. A public meeting was held on March 19, 2025, prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d). A corrective action plan was submitted to IEPA on April 18, 2025 in accordance with 35 I.A.C. § 845.670 (Ramboll, 2025g; included in the Construction Permit Application) and is pending approval; which is required prior to initiating remedial activities.

As indicated in the corrective action plan, a groundwater extraction system is currently being implemented as a preliminary corrective action in accordance with the compliance commitment agreement dated May 21, 2024; and modified February 27, 2025 (IEPA, 2024; IEPA, 2025). The extraction system began operation on September 24, 2025.

3. KEY ACTIONS COMPLETED IN 2025

The proposed 35 I.A.C. § 845 monitoring system is presented in **Figure 1**. No changes were made to the monitoring system in 2025 (no wells were installed or decommissioned). The GMP was revised (Ramboll, 2025f) to document the replacement of staff gage SG02 with SG03 in 2024.

Monthly groundwater level elevations were collected in 2025 as required by 35 I.A.C. § 845.650(b)(2). **Attachment A** summarizes the groundwater elevations data collected in 2025. Potentiometric surfaces for January through December 2025 are included in **Figures 3 through 14**.

A summary of the samples collected in 2025 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 the GMP (Ramboll, 2025f).

3.1 Sample and Analysis Summary

One groundwater sample was attempted to be collected from each background and compliance well during each quarterly monitoring event in 2025. All samples were collected and analyzed in accordance with the proposed GMP (Ramboll, 2021; Ramboll, 2025f). A summary of the samples collected from background and compliance monitoring wells in 2025 is included in **Table A** on the following page. **Table 1** is a summary of the field parameters and analytical results from 2025 sampling at monitoring wells within the monitoring system for 35 I.A.C. § 845.600 constituents. Laboratory analytical reports and field data sheets are attached to the quarterly Groundwater Monitoring Data and Detected Exceedances Reports for Quarters 1 through 3⁴ (Ramboll, 2025a; Ramboll, 2025b, Ramboll, 2025c); therefore, these reports are not attached to this annual report to avoid reproduction of lengthy data transmittals that have been previously provided in hardcopy. Laboratory report and field data sheets will be provided in the fourth quarter Groundwater Monitoring Data and Detected Exceedance Report, therefore, will not be attached to this annual report for similar reasons.

⁴ GWPS exceedances determined after January 31, 2026 will be reported in the Quarter 4, 2025 Groundwater Monitoring Data and Detected Exceedances Report.

Table A. 35 I.A.C. § 845 Monitoring Program Summary for 2025

Event ID	Sampling Dates ^{1, 2, 3}	Analytical Data Receipt Date	Exceedance Determination Date	ASD Completion Date
E008	January 28-30, 2025	March 6, 2025	May 5, 2025	NA
E009	April 21-22, 2025	May 27, 2025	July 26, 2025	NA
E009R ⁴	June 9-10, 2025	June 20, 2025	NA	NA
E0010	August 5-6, 2025	September 5, 2025	November 4, 2025	NA
E0011	November 10-11, 2025	December 11, 2025	TBD ⁵	NA

Notes:

NA: not applicable

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: G01D and G02D.

³ The following compliance wells were sampled for each event: G03, G05, G06, G07, G08, G09, G10, G11, G51D, G52D, G53D, and G54D.

⁴ The following compliance wells were sampled for this event: G06, G07, G08, G09, G010, and G53D

⁵ GWPS exceedances determined after January 31, 2026 will be reported in the Quarter 4, 2025 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 **Figure 2**:

- Boron in G06, G07, G08, and G09
- pH in G51D

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.

3.4 Preliminary Corrective Action

In accordance with the compliance commitment agreement dated May 21, 2024; and modified February 27, 2025, the groundwater extraction system (preliminary corrective action) began operation in September of 2025 (IEPA, 2024; IEPA, 2025). EEI will monitor the effectiveness of the system including the following:

- By January 31, 2026 EEI shall complete a drawdown test and submit the results to the IEPA by February 28, 2026.
- Groundwater analytical samples will be conducted quarterly by January 31, 2026, April 30, 2026, and July 31, 2026. Laboratory reports shall be submitted to IEPA by February 28, 2026, May 31, 2026, and August 31, 2026.
- Documentation of the effectiveness of the extraction well system and the monitoring program, any adjustments to the design or operation, and, as necessary proposals of additional steps will be submitted to IEPA by September 30, 2026.

This preliminary corrective action shall proceed independent of IEPA review and approval of EEI's Corrective Action Plan, unless EEI receive written direction from IEPA to refrain from or stop operating the extraction system.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

Quarterly groundwater monitoring was completed in 2025. Groundwater samples were collected and analyzed in accordance with the proposed GMP (Ramboll, 2021; Ramboll, 2025f) and all data were accepted. After the EAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

5. KEY ACTIVITIES PLANNED FOR 2026

The following key activities are planned for 2026:

- Continuation of groundwater monitoring in accordance with the proposed GMP and sampling methodologies provided in the operating permit application for the EAP. After the EAP 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 2026 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.
- Continue operation of the groundwater extraction system as a preliminary corrective action and provide submittals to IEPA in 2026 as discussed in **Section 3.4.**

6. REFERENCES

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TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G01D	Background	E008	01/28/2025	Antimony, total	0.0004 U	mg/L
G01D	Background	E008	01/28/2025	Arsenic, total	0.0004 U	mg/L
G01D	Background	E008	01/28/2025	Barium, total	0.103 J	mg/L
G01D	Background	E008	01/28/2025	Beryllium, total	0.0002 U	mg/L
G01D	Background	E008	01/28/2025	Boron, total	0.025 UJ	mg/L
G01D	Background	E008	01/28/2025	Cadmium, total	0.0002 U	mg/L
G01D	Background	E008	01/28/2025	Calcium, total	19.0 J	mg/L
G01D	Background	E008	01/28/2025	Chloride, total	3.5 J	mg/L
G01D	Background	E008	01/28/2025	Chromium, total	0.0007 U	mg/L
G01D	Background	E008	01/28/2025	Cobalt, total	0.0002 J	mg/L
G01D	Background	E008	01/28/2025	Dissolved Oxygen	0.670	mg/L
G01D	Background	E008	01/28/2025	Fluoride, total	0.2 U	mg/L
G01D	Background	E008	01/28/2025	Lead, total	0.0006 U	mg/L
G01D	Background	E008	01/28/2025	Lithium, total	0.0015 U	mg/L
G01D	Background	E008	01/28/2025	Mercury, total	0.00006 U	mg/L
G01D	Background	E008	01/28/2025	Molybdenum, total	0.0006 U	mg/L
G01D	Background	E008	01/28/2025	Oxidation Reduction Potential	80.0	mV
G01D	Background	E008	01/28/2025	pH (field)	6.7	SU
G01D	Background	E008	01/28/2025	Radium 226 + Radium 228, total	0.303	pCi/L
G01D	Background	E008	01/28/2025	Selenium, total	0.0006 U	mg/L
G01D	Background	E008	01/28/2025	Specific Conductance @ 25C (field)	914	micromhos/cm
G01D	Background	E008	01/28/2025	Sulfate, total	22.8 J	mg/L
G01D	Background	E008	01/28/2025	Temperature	14.3	degrees C
G01D	Background	E008	01/28/2025	Thallium, total	0.001 U	mg/L
G01D	Background	E008	01/28/2025	Total Dissolved Solids	300 J+	mg/L
G01D	Background	E008	01/28/2025	Turbidity, field	4.50	NTU
G02D	Background	E008	01/28/2025	Antimony, total	0.0004 U	mg/L
G02D	Background	E008	01/28/2025	Arsenic, total	0.0004 U	mg/L
G02D	Background	E008	01/28/2025	Barium, total	0.173	mg/L
G02D	Background	E008	01/28/2025	Beryllium, total	0.0002 U	mg/L
G02D	Background	E008	01/28/2025	Boron, total	0.0300 J+	mg/L
G02D	Background	E008	01/28/2025	Cadmium, total	0.0002 U	mg/L
G02D	Background	E008	01/28/2025	Calcium, total	34.9	mg/L
G02D	Background	E008	01/28/2025	Chloride, total	17.6	mg/L
G02D	Background	E008	01/28/2025	Chromium, total	0.0007 U	mg/L
G02D	Background	E008	01/28/2025	Cobalt, total	0.0001 U	mg/L
G02D	Background	E008	01/28/2025	Dissolved Oxygen	2.04	mg/L
G02D	Background	E008	01/28/2025	Fluoride, total	0.2 U	mg/L
G02D	Background	E008	01/28/2025	Lead, total	0.0006 U	mg/L
G02D	Background	E008	01/28/2025	Lithium, total	0.0015 U	mg/L
G02D	Background	E008	01/28/2025	Mercury, total	0.00006 U	mg/L
G02D	Background	E008	01/28/2025	Molybdenum, total	0.0006 U	mg/L
G02D	Background	E008	01/28/2025	Oxidation Reduction Potential	102	mV
G02D	Background	E008	01/28/2025	pH (field)	6.5	SU
G02D	Background	E008	01/28/2025	Radium 226 + Radium 228, total	0.626	pCi/L
G02D	Background	E008	01/28/2025	Selenium, total	0.00170	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G02D	Background	E008	01/28/2025	Specific Conductance @ 25C (field)	727	micromhos/cm
G02D	Background	E008	01/28/2025	Sulfate, total	13.3	mg/L
G02D	Background	E008	01/28/2025	Temperature	13.8	degrees C
G02D	Background	E008	01/28/2025	Thallium, total	0.001 U	mg/L
G02D	Background	E008	01/28/2025	Total Dissolved Solids	218 J+	mg/L
G02D	Background	E008	01/28/2025	Turbidity, field	4.20	NTU
G03	Compliance	E008	01/28/2025	Antimony, total	0.0004 U	mg/L
G03	Compliance	E008	01/28/2025	Arsenic, total	0.0007 J	mg/L
G03	Compliance	E008	01/28/2025	Barium, total	0.0372	mg/L
G03	Compliance	E008	01/28/2025	Beryllium, total	0.0002 U	mg/L
G03	Compliance	E008	01/28/2025	Boron, total	0.307	mg/L
G03	Compliance	E008	01/28/2025	Cadmium, total	0.0002 U	mg/L
G03	Compliance	E008	01/28/2025	Calcium, total	53.0	mg/L
G03	Compliance	E008	01/28/2025	Chloride, total	28.0	mg/L
G03	Compliance	E008	01/28/2025	Chromium, total	0.00300	mg/L
G03	Compliance	E008	01/28/2025	Cobalt, total	0.00190	mg/L
G03	Compliance	E008	01/28/2025	Dissolved Oxygen	2.12	mg/L
G03	Compliance	E008	01/28/2025	Fluoride, total	0.2 U	mg/L
G03	Compliance	E008	01/28/2025	Lead, total	0.0006 J	mg/L
G03	Compliance	E008	01/28/2025	Lithium, total	0.0018 J	mg/L
G03	Compliance	E008	01/28/2025	Mercury, total	0.00006 U	mg/L
G03	Compliance	E008	01/28/2025	Molybdenum, total	0.0006 U	mg/L
G03	Compliance	E008	01/28/2025	Oxidation Reduction Potential	116	mV
G03	Compliance	E008	01/28/2025	pH (field)	6.3	SU
G03	Compliance	E008	01/28/2025	Radium 226 + Radium 228, total	2.01	pCi/L
G03	Compliance	E008	01/28/2025	Selenium, total	0.0006 U	mg/L
G03	Compliance	E008	01/28/2025	Specific Conductance @ 25C (field)	1,050	micromhos/cm
G03	Compliance	E008	01/28/2025	Sulfate, total	110	mg/L
G03	Compliance	E008	01/28/2025	Temperature	14.7	degrees C
G03	Compliance	E008	01/28/2025	Thallium, total	0.001 U	mg/L
G03	Compliance	E008	01/28/2025	Total Dissolved Solids	384 J+	mg/L
G03	Compliance	E008	01/28/2025	Turbidity, field	8.90	NTU
G05	Compliance	E008	01/28/2025	Antimony, total	0.0004 U	mg/L
G05	Compliance	E008	01/28/2025	Arsenic, total	0.0008 J	mg/L
G05	Compliance	E008	01/28/2025	Barium, total	0.179	mg/L
G05	Compliance	E008	01/28/2025	Beryllium, total	0.0002 U	mg/L
G05	Compliance	E008	01/28/2025	Boron, total	0.0438 J+	mg/L
G05	Compliance	E008	01/28/2025	Cadmium, total	0.0002 U	mg/L
G05	Compliance	E008	01/28/2025	Calcium, total	53.1	mg/L
G05	Compliance	E008	01/28/2025	Chloride, total	23.4	mg/L
G05	Compliance	E008	01/28/2025	Chromium, total	0.00250	mg/L
G05	Compliance	E008	01/28/2025	Cobalt, total	0.00100 J	mg/L
G05	Compliance	E008	01/28/2025	Dissolved Oxygen	0.440	mg/L
G05	Compliance	E008	01/28/2025	Fluoride, total	0.28 J	mg/L
G05	Compliance	E008	01/28/2025	Lead, total	0.0006 U	mg/L
G05	Compliance	E008	01/28/2025	Lithium, total	0.00300 J	mg/L

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845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G05	Compliance	E008	01/28/2025	Mercury, total	0.00006 U	mg/L
G05	Compliance	E008	01/28/2025	Molybdenum, total	0.00450	mg/L
G05	Compliance	E008	01/28/2025	Oxidation Reduction Potential	61.0	mV
G05	Compliance	E008	01/28/2025	pH (field)	6.5	SU
G05	Compliance	E008	01/28/2025	Radium 226 + Radium 228, total	1.53	pCi/L
G05	Compliance	E008	01/28/2025	Selenium, total	0.0006 U	mg/L
G05	Compliance	E008	01/28/2025	Specific Conductance @ 25C (field)	1,080	micromhos/cm
G05	Compliance	E008	01/28/2025	Sulfate, total	86.2	mg/L
G05	Compliance	E008	01/28/2025	Temperature	15.3	degrees C
G05	Compliance	E008	01/28/2025	Thallium, total	0.001 U	mg/L
G05	Compliance	E008	01/28/2025	Total Dissolved Solids	408 J+	mg/L
G05	Compliance	E008	01/28/2025	Turbidity, field	12.0	NTU
G06	Compliance	E008	01/29/2025	Antimony, total	0.0004 U	mg/L
G06	Compliance	E008	01/29/2025	Arsenic, total	0.00170	mg/L
G06	Compliance	E008	01/29/2025	Barium, total	0.0349	mg/L
G06	Compliance	E008	01/29/2025	Beryllium, total	0.0002 U	mg/L
G06	Compliance	E008	01/29/2025	Boron, total	3.00	mg/L
G06	Compliance	E008	01/29/2025	Cadmium, total	0.0002 U	mg/L
G06	Compliance	E008	01/29/2025	Calcium, total	79.4	mg/L
G06	Compliance	E008	01/29/2025	Chloride, total	16.1	mg/L
G06	Compliance	E008	01/29/2025	Chromium, total	0.00670	mg/L
G06	Compliance	E008	01/29/2025	Cobalt, total	0.00170	mg/L
G06	Compliance	E008	01/29/2025	Dissolved Oxygen	0.580	mg/L
G06	Compliance	E008	01/29/2025	Fluoride, total	0.2 U	mg/L
G06	Compliance	E008	01/29/2025	Lead, total	0.00170	mg/L
G06	Compliance	E008	01/29/2025	Lithium, total	0.00460	mg/L
G06	Compliance	E008	01/29/2025	Mercury, total	0.00006 U	mg/L
G06	Compliance	E008	01/29/2025	Molybdenum, total	0.0006 U	mg/L
G06	Compliance	E008	01/29/2025	Oxidation Reduction Potential	77.0	mV
G06	Compliance	E008	01/29/2025	pH (field)	6.6	SU
G06	Compliance	E008	01/29/2025	Radium 226 + Radium 228, total	1.41	pCi/L
G06	Compliance	E008	01/29/2025	Selenium, total	0.0006 U	mg/L
G06	Compliance	E008	01/29/2025	Specific Conductance @ 25C (field)	1,180	micromhos/cm
G06	Compliance	E008	01/29/2025	Sulfate, total	167	mg/L
G06	Compliance	E008	01/29/2025	Temperature	14.9	degrees C
G06	Compliance	E008	01/29/2025	Thallium, total	0.001 U	mg/L
G06	Compliance	E008	01/29/2025	Total Dissolved Solids	540	mg/L
G06	Compliance	E008	01/29/2025	Turbidity, field	87.0	NTU
G07	Compliance	E008	01/29/2025	Antimony, total	0.0004 U	mg/L
G07	Compliance	E008	01/29/2025	Arsenic, total	0.00110	mg/L
G07	Compliance	E008	01/29/2025	Barium, total	0.0597	mg/L
G07	Compliance	E008	01/29/2025	Beryllium, total	0.0003 J	mg/L
G07	Compliance	E008	01/29/2025	Boron, total	4.21	mg/L
G07	Compliance	E008	01/29/2025	Cadmium, total	0.0002 U	mg/L
G07	Compliance	E008	01/29/2025	Calcium, total	84.4	mg/L
G07	Compliance	E008	01/29/2025	Chloride, total	15.6	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G07	Compliance	E008	01/29/2025	Chromium, total	0.00640	mg/L
G07	Compliance	E008	01/29/2025	Cobalt, total	0.00140	mg/L
G07	Compliance	E008	01/29/2025	Dissolved Oxygen	1.24	mg/L
G07	Compliance	E008	01/29/2025	Fluoride, total	0.32 J	mg/L
G07	Compliance	E008	01/29/2025	Lead, total	0.00110	mg/L
G07	Compliance	E008	01/29/2025	Lithium, total	0.00390	mg/L
G07	Compliance	E008	01/29/2025	Mercury, total	0.00006 U	mg/L
G07	Compliance	E008	01/29/2025	Molybdenum, total	0.0006 U	mg/L
G07	Compliance	E008	01/29/2025	Oxidation Reduction Potential	80.0	mV
G07	Compliance	E008	01/29/2025	pH (field)	6.4	SU
G07	Compliance	E008	01/29/2025	Radium 226 + Radium 228, total	1.52	pCi/L
G07	Compliance	E008	01/29/2025	Selenium, total	0.0006 U	mg/L
G07	Compliance	E008	01/29/2025	Specific Conductance @ 25C (field)	1,430	micromhos/cm
G07	Compliance	E008	01/29/2025	Sulfate, total	254	mg/L
G07	Compliance	E008	01/29/2025	Temperature	14.8	degrees C
G07	Compliance	E008	01/29/2025	Thallium, total	0.001 U	mg/L
G07	Compliance	E008	01/29/2025	Total Dissolved Solids	632	mg/L
G07	Compliance	E008	01/29/2025	Turbidity, field	56.0	NTU
G08	Compliance	E008	01/28/2025	Antimony, total	0.0004 U	mg/L
G08	Compliance	E008	01/28/2025	Arsenic, total	0.00710	mg/L
G08	Compliance	E008	01/28/2025	Barium, total	0.0380	mg/L
G08	Compliance	E008	01/28/2025	Beryllium, total	0.0002 U	mg/L
G08	Compliance	E008	01/28/2025	Boron, total	5.41	mg/L
G08	Compliance	E008	01/28/2025	Cadmium, total	0.0002 J	mg/L
G08	Compliance	E008	01/28/2025	Calcium, total	119	mg/L
G08	Compliance	E008	01/28/2025	Chloride, total	11.5	mg/L
G08	Compliance	E008	01/28/2025	Chromium, total	0.00250	mg/L
G08	Compliance	E008	01/28/2025	Cobalt, total	0.00350	mg/L
G08	Compliance	E008	01/28/2025	Dissolved Oxygen	1.20	mg/L
G08	Compliance	E008	01/28/2025	Fluoride, total	0.2 U	mg/L
G08	Compliance	E008	01/28/2025	Lead, total	0.0008 J	mg/L
G08	Compliance	E008	01/28/2025	Lithium, total	0.0026 J	mg/L
G08	Compliance	E008	01/28/2025	Mercury, total	0.00006 U	mg/L
G08	Compliance	E008	01/28/2025	Molybdenum, total	0.00160	mg/L
G08	Compliance	E008	01/28/2025	Oxidation Reduction Potential	-33.0	mV
G08	Compliance	E008	01/28/2025	pH (field)	7.0	SU
G08	Compliance	E008	01/28/2025	Radium 226 + Radium 228, total	2.36	pCi/L
G08	Compliance	E008	01/28/2025	Selenium, total	0.0006 U	mg/L
G08	Compliance	E008	01/28/2025	Specific Conductance @ 25C (field)	1,540	micromhos/cm
G08	Compliance	E008	01/28/2025	Sulfate, total	353	mg/L
G08	Compliance	E008	01/28/2025	Temperature	15.2	degrees C
G08	Compliance	E008	01/28/2025	Thallium, total	0.001 U	mg/L
G08	Compliance	E008	01/28/2025	Total Dissolved Solids	685	mg/L
G08	Compliance	E008	01/28/2025	Turbidity, field	57.0	NTU
G09	Compliance	E008	01/28/2025	Antimony, total	0.0004 U	mg/L
G09	Compliance	E008	01/28/2025	Arsenic, total	0.00210	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
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EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G09	Compliance	E008	01/28/2025	Barium, total	0.0267	mg/L
G09	Compliance	E008	01/28/2025	Beryllium, total	0.0002 U	mg/L
G09	Compliance	E008	01/28/2025	Boron, total	3.44	mg/L
G09	Compliance	E008	01/28/2025	Cadmium, total	0.0002 U	mg/L
G09	Compliance	E008	01/28/2025	Calcium, total	54.5	mg/L
G09	Compliance	E008	01/28/2025	Chloride, total	12.4	mg/L
G09	Compliance	E008	01/28/2025	Chromium, total	0.00200	mg/L
G09	Compliance	E008	01/28/2025	Cobalt, total	0.00230	mg/L
G09	Compliance	E008	01/28/2025	Dissolved Oxygen	0.400	mg/L
G09	Compliance	E008	01/28/2025	Fluoride, total	0.2 U	mg/L
G09	Compliance	E008	01/28/2025	Lead, total	0.0006 U	mg/L
G09	Compliance	E008	01/28/2025	Lithium, total	0.00350	mg/L
G09	Compliance	E008	01/28/2025	Mercury, total	0.00006 U	mg/L
G09	Compliance	E008	01/28/2025	Molybdenum, total	0.0006 U	mg/L
G09	Compliance	E008	01/28/2025	Oxidation Reduction Potential	4.00	mV
G09	Compliance	E008	01/28/2025	pH (field)	6.1	SU
G09	Compliance	E008	01/28/2025	Radium 226 + Radium 228, total	0.201	pCi/L
G09	Compliance	E008	01/28/2025	Selenium, total	0.0006 U	mg/L
G09	Compliance	E008	01/28/2025	Specific Conductance @ 25C (field)	1,160	micromhos/cm
G09	Compliance	E008	01/28/2025	Sulfate, total	210	mg/L
G09	Compliance	E008	01/28/2025	Temperature	15.7	degrees C
G09	Compliance	E008	01/28/2025	Thallium, total	0.001 U	mg/L
G09	Compliance	E008	01/28/2025	Total Dissolved Solids	478 J+	mg/L
G09	Compliance	E008	01/28/2025	Turbidity, field	19.0	NTU
G10	Compliance	E008	01/28/2025	Antimony, total	0.0004 U	mg/L
G10	Compliance	E008	01/28/2025	Arsenic, total	0.0466 J	mg/L
G10	Compliance	E008	01/28/2025	Barium, total	0.0707	mg/L
G10	Compliance	E008	01/28/2025	Beryllium, total	0.00170	mg/L
G10	Compliance	E008	01/28/2025	Boron, total	1.43	mg/L
G10	Compliance	E008	01/28/2025	Cadmium, total	0.0002 U	mg/L
G10	Compliance	E008	01/28/2025	Calcium, total	91.8	mg/L
G10	Compliance	E008	01/28/2025	Chloride, total	13.3	mg/L
G10	Compliance	E008	01/28/2025	Chromium, total	0.0007 J	mg/L
G10	Compliance	E008	01/28/2025	Cobalt, total	0.00290	mg/L
G10	Compliance	E008	01/28/2025	Dissolved Oxygen	1.86	mg/L
G10	Compliance	E008	01/28/2025	Fluoride, total	0.660	mg/L
G10	Compliance	E008	01/28/2025	Lead, total	0.0006 U	mg/L
G10	Compliance	E008	01/28/2025	Lithium, total	0.0308	mg/L
G10	Compliance	E008	01/28/2025	Mercury, total	0.00006 U	mg/L
G10	Compliance	E008	01/28/2025	Molybdenum, total	0.001 J	mg/L
G10	Compliance	E008	01/28/2025	Oxidation Reduction Potential	118	mV
G10	Compliance	E008	01/28/2025	pH (field)	6.2	SU
G10	Compliance	E008	01/28/2025	Radium 226 + Radium 228, total	2.67	pCi/L
G10	Compliance	E008	01/28/2025	Selenium, total	0.0006 U	mg/L
G10	Compliance	E008	01/28/2025	Specific Conductance @ 25C (field)	1,530	micromhos/cm
G10	Compliance	E008	01/28/2025	Sulfate, total	250	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G10	Compliance	E008	01/28/2025	Temperature	15.8	degrees C
G10	Compliance	E008	01/28/2025	Thallium, total	0.001 U	mg/L
G10	Compliance	E008	01/28/2025	Total Dissolved Solids	626	mg/L
G10	Compliance	E008	01/28/2025	Turbidity, field	270	NTU
G11	Compliance	E008	01/29/2025	Antimony, total	0.0004 U	mg/L
G11	Compliance	E008	01/29/2025	Arsenic, total	0.0004 U	mg/L
G11	Compliance	E008	01/29/2025	Barium, total	0.0225	mg/L
G11	Compliance	E008	01/29/2025	Beryllium, total	0.0002 U	mg/L
G11	Compliance	E008	01/29/2025	Boron, total	0.499	mg/L
G11	Compliance	E008	01/29/2025	Cadmium, total	0.0002 U	mg/L
G11	Compliance	E008	01/29/2025	Calcium, total	98.0	mg/L
G11	Compliance	E008	01/29/2025	Chloride, total	23.1	mg/L
G11	Compliance	E008	01/29/2025	Chromium, total	0.0007 U	mg/L
G11	Compliance	E008	01/29/2025	Cobalt, total	0.0009 J	mg/L
G11	Compliance	E008	01/29/2025	Dissolved Oxygen	2.29	mg/L
G11	Compliance	E008	01/29/2025	Fluoride, total	0.2 U	mg/L
G11	Compliance	E008	01/29/2025	Lead, total	0.0006 U	mg/L
G11	Compliance	E008	01/29/2025	Lithium, total	0.00740	mg/L
G11	Compliance	E008	01/29/2025	Mercury, total	0.00006 U	mg/L
G11	Compliance	E008	01/29/2025	Molybdenum, total	0.0006 U	mg/L
G11	Compliance	E008	01/29/2025	Oxidation Reduction Potential	106	mV
G11	Compliance	E008	01/29/2025	pH (field)	5.9	SU
G11	Compliance	E008	01/29/2025	Radium 226 + Radium 228, total	0.602	pCi/L
G11	Compliance	E008	01/29/2025	Selenium, total	0.00250	mg/L
G11	Compliance	E008	01/29/2025	Specific Conductance @ 25C (field)	1,520	micromhos/cm
G11	Compliance	E008	01/29/2025	Sulfate, total	332	mg/L
G11	Compliance	E008	01/29/2025	Temperature	16.6	degrees C
G11	Compliance	E008	01/29/2025	Thallium, total	0.001 U	mg/L
G11	Compliance	E008	01/29/2025	Total Dissolved Solids	692	mg/L
G11	Compliance	E008	01/29/2025	Turbidity, field	10.0	NTU
G51D	Compliance	E008	01/29/2025	Antimony, total	0.0004 U	mg/L
G51D	Compliance	E008	01/29/2025	Arsenic, total	0.0004 U	mg/L
G51D	Compliance	E008	01/29/2025	Barium, total	0.0317	mg/L
G51D	Compliance	E008	01/29/2025	Beryllium, total	0.0002 U	mg/L
G51D	Compliance	E008	01/29/2025	Boron, total	0.767	mg/L
G51D	Compliance	E008	01/29/2025	Cadmium, total	0.0002 U	mg/L
G51D	Compliance	E008	01/29/2025	Calcium, total	25.7	mg/L
G51D	Compliance	E008	01/29/2025	Chloride, total	4.3 J	mg/L
G51D	Compliance	E008	01/29/2025	Chromium, total	0.0008 J	mg/L
G51D	Compliance	E008	01/29/2025	Cobalt, total	0.0005 J	mg/L
G51D	Compliance	E008	01/29/2025	Dissolved Oxygen	3.03	mg/L
G51D	Compliance	E008	01/29/2025	Fluoride, total	0.2 U	mg/L
G51D	Compliance	E008	01/29/2025	Lead, total	0.0006 U	mg/L
G51D	Compliance	E008	01/29/2025	Lithium, total	0.00580	mg/L
G51D	Compliance	E008	01/29/2025	Mercury, total	0.00006 U	mg/L
G51D	Compliance	E008	01/29/2025	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G51D	Compliance	E008	01/29/2025	Oxidation Reduction Potential	167	mV
G51D	Compliance	E008	01/29/2025	pH (field)	5.5	SU
G51D	Compliance	E008	01/29/2025	Radium 226 + Radium 228, total	0.0598	pCi/L
G51D	Compliance	E008	01/29/2025	Selenium, total	0.00510	mg/L
G51D	Compliance	E008	01/29/2025	Specific Conductance @ 25C (field)	706	micromhos/cm
G51D	Compliance	E008	01/29/2025	Sulfate, total	95.9	mg/L
G51D	Compliance	E008	01/29/2025	Temperature	16.1	degrees C
G51D	Compliance	E008	01/29/2025	Thallium, total	0.001 U	mg/L
G51D	Compliance	E008	01/29/2025	Total Dissolved Solids	286 J+	mg/L
G51D	Compliance	E008	01/29/2025	Turbidity, field	13.0	NTU
G52D	Compliance	E008	01/30/2025	Antimony, total	0.0004 U	mg/L
G52D	Compliance	E008	01/30/2025	Arsenic, total	0.00130	mg/L
G52D	Compliance	E008	01/30/2025	Barium, total	0.249	mg/L
G52D	Compliance	E008	01/30/2025	Beryllium, total	0.0002 U	mg/L
G52D	Compliance	E008	01/30/2025	Boron, total	0.025 UJ	mg/L
G52D	Compliance	E008	01/30/2025	Cadmium, total	0.0002 U	mg/L
G52D	Compliance	E008	01/30/2025	Calcium, total	39.8	mg/L
G52D	Compliance	E008	01/30/2025	Chloride, total	10.5	mg/L
G52D	Compliance	E008	01/30/2025	Chromium, total	0.0007 U	mg/L
G52D	Compliance	E008	01/30/2025	Cobalt, total	0.00310	mg/L
G52D	Compliance	E008	01/30/2025	Dissolved Oxygen	2.94	mg/L
G52D	Compliance	E008	01/30/2025	Fluoride, total	0.2 U	mg/L
G52D	Compliance	E008	01/30/2025	Lead, total	0.0006 U	mg/L
G52D	Compliance	E008	01/30/2025	Lithium, total	0.0029 J	mg/L
G52D	Compliance	E008	01/30/2025	Mercury, total	0.00006 U	mg/L
G52D	Compliance	E008	01/30/2025	Molybdenum, total	0.0006 U	mg/L
G52D	Compliance	E008	01/30/2025	Oxidation Reduction Potential	21.0	mV
G52D	Compliance	E008	01/30/2025	pH (field)	6.4	SU
G52D	Compliance	E008	01/30/2025	Radium 226 + Radium 228, total	1.22	pCi/L
G52D	Compliance	E008	01/30/2025	Selenium, total	0.0006 U	mg/L
G52D	Compliance	E008	01/30/2025	Specific Conductance @ 25C (field)	436	micromhos/cm
G52D	Compliance	E008	01/30/2025	Sulfate, total	29.2	mg/L
G52D	Compliance	E008	01/30/2025	Temperature	14.5	degrees C
G52D	Compliance	E008	01/30/2025	Thallium, total	0.001 U	mg/L
G52D	Compliance	E008	01/30/2025	Total Dissolved Solids	298 J+	mg/L
G52D	Compliance	E008	01/30/2025	Turbidity, field	4.20	NTU
G53D	Compliance	E008	01/30/2025	Antimony, total	0.0004 U	mg/L
G53D	Compliance	E008	01/30/2025	Arsenic, total	0.0004 U	mg/L
G53D	Compliance	E008	01/30/2025	Barium, total	0.0794	mg/L
G53D	Compliance	E008	01/30/2025	Beryllium, total	0.0002 U	mg/L
G53D	Compliance	E008	01/30/2025	Boron, total	0.338	mg/L
G53D	Compliance	E008	01/30/2025	Cadmium, total	0.0002 U	mg/L
G53D	Compliance	E008	01/30/2025	Calcium, total	34.6	mg/L
G53D	Compliance	E008	01/30/2025	Chloride, total	14.0	mg/L
G53D	Compliance	E008	01/30/2025	Chromium, total	0.0007 U	mg/L
G53D	Compliance	E008	01/30/2025	Cobalt, total	0.00100	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G53D	Compliance	E008	01/30/2025	Dissolved Oxygen	1.15	mg/L
G53D	Compliance	E008	01/30/2025	Fluoride, total	0.530	mg/L
G53D	Compliance	E008	01/30/2025	Lead, total	0.0006 U	mg/L
G53D	Compliance	E008	01/30/2025	Lithium, total	0.0015 U	mg/L
G53D	Compliance	E008	01/30/2025	Mercury, total	0.00006 U	mg/L
G53D	Compliance	E008	01/30/2025	Molybdenum, total	0.0006 U	mg/L
G53D	Compliance	E008	01/30/2025	Oxidation Reduction Potential	72.0	mV
G53D	Compliance	E008	01/30/2025	pH (field)	6.4	SU
G53D	Compliance	E008	01/30/2025	Radium 226 + Radium 228, total	1.07	pCi/L
G53D	Compliance	E008	01/30/2025	Selenium, total	0.0006 U	mg/L
G53D	Compliance	E008	01/30/2025	Specific Conductance @ 25C (field)	486	micromhos/cm
G53D	Compliance	E008	01/30/2025	Sulfate, total	54.4	mg/L
G53D	Compliance	E008	01/30/2025	Temperature	13.9	degrees C
G53D	Compliance	E008	01/30/2025	Thallium, total	0.001 U	mg/L
G53D	Compliance	E008	01/30/2025	Total Dissolved Solids	304 J+	mg/L
G53D	Compliance	E008	01/30/2025	Turbidity, field	6.20	NTU
G54D	Compliance	E008	01/29/2025	Antimony, total	0.0004 U	mg/L
G54D	Compliance	E008	01/29/2025	Arsenic, total	0.0006 J	mg/L
G54D	Compliance	E008	01/29/2025	Barium, total	0.191	mg/L
G54D	Compliance	E008	01/29/2025	Beryllium, total	0.0002 U	mg/L
G54D	Compliance	E008	01/29/2025	Boron, total	0.025 UJ	mg/L
G54D	Compliance	E008	01/29/2025	Cadmium, total	0.0002 U	mg/L
G54D	Compliance	E008	01/29/2025	Calcium, total	30.9	mg/L
G54D	Compliance	E008	01/29/2025	Chloride, total	33.0	mg/L
G54D	Compliance	E008	01/29/2025	Chromium, total	0.00270	mg/L
G54D	Compliance	E008	01/29/2025	Cobalt, total	0.0008 J	mg/L
G54D	Compliance	E008	01/29/2025	Dissolved Oxygen	0.570	mg/L
G54D	Compliance	E008	01/29/2025	Fluoride, total	0.4 J	mg/L
G54D	Compliance	E008	01/29/2025	Lead, total	0.00100 J	mg/L
G54D	Compliance	E008	01/29/2025	Lithium, total	0.00320	mg/L
G54D	Compliance	E008	01/29/2025	Mercury, total	0.00006 U	mg/L
G54D	Compliance	E008	01/29/2025	Molybdenum, total	0.00150	mg/L
G54D	Compliance	E008	01/29/2025	Oxidation Reduction Potential	7.00	mV
G54D	Compliance	E008	01/29/2025	pH (field)	6.3	SU
G54D	Compliance	E008	01/29/2025	Radium 226 + Radium 228, total	0.715	pCi/L
G54D	Compliance	E008	01/29/2025	Selenium, total	0.0138	mg/L
G54D	Compliance	E008	01/29/2025	Specific Conductance @ 25C (field)	933	micromhos/cm
G54D	Compliance	E008	01/29/2025	Sulfate, total	27.7	mg/L
G54D	Compliance	E008	01/29/2025	Temperature	15.4	degrees C
G54D	Compliance	E008	01/29/2025	Thallium, total	0.001 U	mg/L
G54D	Compliance	E008	01/29/2025	Total Dissolved Solids	350 J+	mg/L
G54D	Compliance	E008	01/29/2025	Turbidity, field	7.10	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

C = Celsius

cm = centimeter

Events:

E008 = Quarter 1, 2025 sampling event

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ = The result is an estimated quantity, but the result may be biased high.

U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

SU = Standard Units

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G01D	Background	E009	04/21/2025	Antimony, total	0.0009 J	mg/L
G01D	Background	E009	04/21/2025	Arsenic, total	0.00890	mg/L
G01D	Background	E009	04/21/2025	Barium, total	0.405	mg/L
G01D	Background	E009	04/21/2025	Beryllium, total	0.00130	mg/L
G01D	Background	E009	04/21/2025	Boron, total	0.0092 UJ	mg/L
G01D	Background	E009	04/21/2025	Cadmium, total	0.0002 J	mg/L
G01D	Background	E009	04/21/2025	Calcium, total	41.4	mg/L
G01D	Background	E009	04/21/2025	Chloride, total	12.0	mg/L
G01D	Background	E009	04/21/2025	Chromium, total	0.0487	mg/L
G01D	Background	E009	04/21/2025	Cobalt, total	0.0308	mg/L
G01D	Background	E009	04/21/2025	Dissolved Oxygen	0.750	mg/L
G01D	Background	E009	04/21/2025	Fluoride, total	0.26 J	mg/L
G01D	Background	E009	04/21/2025	Lead, total	0.0185	mg/L
G01D	Background	E009	04/21/2025	Lithium, total	0.0128	mg/L
G01D	Background	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G01D	Background	E009	04/21/2025	Molybdenum, total	0.00280	mg/L
G01D	Background	E009	04/21/2025	Oxidation Reduction Potential	49.0	mV
G01D	Background	E009	04/21/2025	pH (field)	6.5	SU
G01D	Background	E009	04/21/2025	Radium 226 + Radium 228, total	1.25	pCi/L
G01D	Background	E009	04/21/2025	Selenium, total	0.0008 J	mg/L
G01D	Background	E009	04/21/2025	Specific Conductance @ 25C (field)	525	micromhos/cm
G01D	Background	E009	04/21/2025	Sulfate, total	42.2	mg/L
G01D	Background	E009	04/21/2025	Temperature	16.4	degrees C
G01D	Background	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G01D	Background	E009	04/21/2025	Total Dissolved Solids	500 J	mg/L
G01D	Background	E009	04/21/2025	Turbidity, field	86.0	NTU
G02D	Background	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G02D	Background	E009	04/21/2025	Arsenic, total	0.0004 U	mg/L
G02D	Background	E009	04/21/2025	Barium, total	0.187	mg/L
G02D	Background	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L
G02D	Background	E009	04/21/2025	Boron, total	0.0092 UJ	mg/L
G02D	Background	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G02D	Background	E009	04/21/2025	Calcium, total	36.5	mg/L
G02D	Background	E009	04/21/2025	Chloride, total	16.7	mg/L
G02D	Background	E009	04/21/2025	Chromium, total	0.0007 UJ	mg/L
G02D	Background	E009	04/21/2025	Cobalt, total	0.0001 U	mg/L
G02D	Background	E009	04/21/2025	Dissolved Oxygen	3.56	mg/L
G02D	Background	E009	04/21/2025	Fluoride, total	0.17 J	mg/L
G02D	Background	E009	04/21/2025	Lead, total	0.0006 U	mg/L
G02D	Background	E009	04/21/2025	Lithium, total	0.0015 U	mg/L
G02D	Background	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G02D	Background	E009	04/21/2025	Molybdenum, total	0.0006 U	mg/L
G02D	Background	E009	04/21/2025	Oxidation Reduction Potential	71.0	mV
G02D	Background	E009	04/21/2025	pH (field)	6.3	SU
G02D	Background	E009	04/21/2025	Radium 226 + Radium 228, total	0.584	pCi/L
G02D	Background	E009	04/21/2025	Selenium, total	0.00180	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G02D	Background	E009	04/21/2025	Specific Conductance @ 25C (field)	422	micromhos/cm
G02D	Background	E009	04/21/2025	Sulfate, total	15.4	mg/L
G02D	Background	E009	04/21/2025	Temperature	15.7	degrees C
G02D	Background	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G02D	Background	E009	04/21/2025	Total Dissolved Solids	224 J+	mg/L
G02D	Background	E009	04/21/2025	Turbidity, field	1.50	NTU
G03	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G03	Compliance	E009	04/21/2025	Arsenic, total	0.00290	mg/L
G03	Compliance	E009	04/21/2025	Barium, total	0.0582	mg/L
G03	Compliance	E009	04/21/2025	Beryllium, total	0.0006 J	mg/L
G03	Compliance	E009	04/21/2025	Boron, total	0.298	mg/L
G03	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G03	Compliance	E009	04/21/2025	Calcium, total	52.0	mg/L
G03	Compliance	E009	04/21/2025	Chloride, total	28.2	mg/L
G03	Compliance	E009	04/21/2025	Chromium, total	0.0162	mg/L
G03	Compliance	E009	04/21/2025	Cobalt, total	0.00790	mg/L
G03	Compliance	E009	04/21/2025	Dissolved Oxygen	1.74	mg/L
G03	Compliance	E009	04/21/2025	Fluoride, total	0.19 J	mg/L
G03	Compliance	E009	04/21/2025	Lead, total	0.00340	mg/L
G03	Compliance	E009	04/21/2025	Lithium, total	0.00350	mg/L
G03	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G03	Compliance	E009	04/21/2025	Molybdenum, total	0.0009 J	mg/L
G03	Compliance	E009	04/21/2025	Oxidation Reduction Potential	87.0	mV
G03	Compliance	E009	04/21/2025	pH (field)	6.3	SU
G03	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.35	pCi/L
G03	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G03	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	599	micromhos/cm
G03	Compliance	E009	04/21/2025	Sulfate, total	99.1	mg/L
G03	Compliance	E009	04/21/2025	Temperature	18.4	degrees C
G03	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G03	Compliance	E009	04/21/2025	Total Dissolved Solids	410	mg/L
G03	Compliance	E009	04/21/2025	Turbidity, field	46.0	NTU
G05	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G05	Compliance	E009	04/21/2025	Arsenic, total	0.00190	mg/L
G05	Compliance	E009	04/21/2025	Barium, total	0.215	mg/L
G05	Compliance	E009	04/21/2025	Beryllium, total	0.0003 J	mg/L
G05	Compliance	E009	04/21/2025	Boron, total	0.0521 J+	mg/L
G05	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G05	Compliance	E009	04/21/2025	Calcium, total	52.4	mg/L
G05	Compliance	E009	04/21/2025	Chloride, total	20.2	mg/L
G05	Compliance	E009	04/21/2025	Chromium, total	0.0118 J+	mg/L
G05	Compliance	E009	04/21/2025	Cobalt, total	0.00620	mg/L
G05	Compliance	E009	04/21/2025	Dissolved Oxygen	0.910	mg/L
G05	Compliance	E009	04/21/2025	Fluoride, total	0.38 J	mg/L
G05	Compliance	E009	04/21/2025	Lead, total	0.00310	mg/L
G05	Compliance	E009	04/21/2025	Lithium, total	0.00460	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G05	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G05	Compliance	E009	04/21/2025	Molybdenum, total	0.00510	mg/L
G05	Compliance	E009	04/21/2025	Oxidation Reduction Potential	102	mV
G05	Compliance	E009	04/21/2025	pH (field)	6.4	SU
G05	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.992	pCi/L
G05	Compliance	E009	04/21/2025	Selenium, total	0.00100	mg/L
G05	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	628	micromhos/cm
G05	Compliance	E009	04/21/2025	Sulfate, total	89.2	mg/L
G05	Compliance	E009	04/21/2025	Temperature	18.1	degrees C
G05	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G05	Compliance	E009	04/21/2025	Total Dissolved Solids	432	mg/L
G05	Compliance	E009	04/21/2025	Turbidity, field	36.0	NTU
G06	Compliance	E009	04/21/2025	Antimony, total	0.0005 J	mg/L
G06	Compliance	E009	04/21/2025	Arsenic, total	0.00710	mg/L
G06	Compliance	E009	04/21/2025	Barium, total	0.0917	mg/L
G06	Compliance	E009	04/21/2025	Beryllium, total	0.0008 J	mg/L
G06	Compliance	E009	04/21/2025	Boron, total	3.32	mg/L
G06	Compliance	E009R	06/09/2025	Boron, total	2.49	mg/L
G06	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G06	Compliance	E009	04/21/2025	Calcium, total	81.4	mg/L
G06	Compliance	E009R	06/09/2025	Calcium, total	75.7	mg/L
G06	Compliance	E009	04/21/2025	Chloride, total	17.8	mg/L
G06	Compliance	E009R	06/09/2025	Chloride, total	15.8	mg/L
G06	Compliance	E009	04/21/2025	Chromium, total	0.0347	mg/L
G06	Compliance	E009	04/21/2025	Cobalt, total	0.00840	mg/L
G06	Compliance	E009	04/21/2025	Dissolved Oxygen	1.65	mg/L
G06	Compliance	E009R	06/09/2025	Dissolved Oxygen	1.35	mg/L
G06	Compliance	E009	04/21/2025	Fluoride, total	0.27 J	mg/L
G06	Compliance	E009R	06/09/2025	Fluoride, total	0.25 J	mg/L
G06	Compliance	E009	04/21/2025	Lead, total	0.00960	mg/L
G06	Compliance	E009	04/21/2025	Lithium, total	0.0100	mg/L
G06	Compliance	E009	04/21/2025	Mercury, total	0.00018 J	mg/L
G06	Compliance	E009	04/21/2025	Molybdenum, total	0.00170	mg/L
G06	Compliance	E009	04/21/2025	Oxidation Reduction Potential	67.0	mV
G06	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	158	mV
G06	Compliance	E009	04/21/2025	pH (field)	6.5	SU
G06	Compliance	E009R	06/09/2025	pH (field)	6.4	SU
G06	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	1.34	pCi/L
G06	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G06	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	673	micromhos/cm
G06	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	712	micromhos/cm
G06	Compliance	E009	04/21/2025	Sulfate, total	175	mg/L
G06	Compliance	E009R	06/09/2025	Sulfate, total	167	mg/L
G06	Compliance	E009	04/21/2025	Temperature	17.1	degrees C
G06	Compliance	E009R	06/09/2025	Temperature	19.2	degrees C
G06	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G06	Compliance	E009	04/21/2025	Total Dissolved Solids	640	mg/L
G06	Compliance	E009R	06/09/2025	Total Dissolved Solids	562	mg/L
G06	Compliance	E009	04/21/2025	Turbidity, field	480	NTU
G06	Compliance	E009R	06/09/2025	Turbidity, field	36.0	NTU
G07	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G07	Compliance	E009	04/21/2025	Arsenic, total	0.00630	mg/L
G07	Compliance	E009	04/21/2025	Barium, total	0.209	mg/L
G07	Compliance	E009	04/21/2025	Beryllium, total	0.00120	mg/L
G07	Compliance	E009	04/21/2025	Boron, total	4.65	mg/L
G07	Compliance	E009R	06/10/2025	Boron, total	3.91	mg/L
G07	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G07	Compliance	E009	04/21/2025	Calcium, total	102	mg/L
G07	Compliance	E009R	06/10/2025	Calcium, total	86.8	mg/L
G07	Compliance	E009	04/21/2025	Chloride, total	18.1	mg/L
G07	Compliance	E009R	06/10/2025	Chloride, total	15.9	mg/L
G07	Compliance	E009	04/21/2025	Chromium, total	0.0441	mg/L
G07	Compliance	E009	04/21/2025	Cobalt, total	0.00560	mg/L
G07	Compliance	E009	04/21/2025	Dissolved Oxygen	0.910	mg/L
G07	Compliance	E009R	06/10/2025	Dissolved Oxygen	0.830	mg/L
G07	Compliance	E009	04/21/2025	Fluoride, total	0.49 J	mg/L
G07	Compliance	E009R	06/10/2025	Fluoride, total	0.4 J	mg/L
G07	Compliance	E009	04/21/2025	Lead, total	0.00780	mg/L
G07	Compliance	E009	04/21/2025	Lithium, total	0.00850	mg/L
G07	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G07	Compliance	E009	04/21/2025	Molybdenum, total	0.00170	mg/L
G07	Compliance	E009	04/21/2025	Oxidation Reduction Potential	76.0	mV
G07	Compliance	E009R	06/10/2025	Oxidation Reduction Potential	129	mV
G07	Compliance	E009	04/21/2025	pH (field)	6.3	SU
G07	Compliance	E009R	06/10/2025	pH (field)	6.1	SU
G07	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	1.17	pCi/L
G07	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G07	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	888	micromhos/cm
G07	Compliance	E009R	06/10/2025	Specific Conductance @ 25C (field)	869	micromhos/cm
G07	Compliance	E009	04/21/2025	Sulfate, total	310	mg/L
G07	Compliance	E009R	06/10/2025	Sulfate, total	250	mg/L
G07	Compliance	E009	04/21/2025	Temperature	16.9	degrees C
G07	Compliance	E009R	06/10/2025	Temperature	16.6	degrees C
G07	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G07	Compliance	E009	04/21/2025	Total Dissolved Solids	888	mg/L
G07	Compliance	E009R	06/10/2025	Total Dissolved Solids	638	mg/L
G07	Compliance	E009	04/21/2025	Turbidity, field	260	NTU
G07	Compliance	E009R	06/10/2025	Turbidity, field	99.0	NTU
G08	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G08	Compliance	E009	04/21/2025	Arsenic, total	0.00400	mg/L
G08	Compliance	E009	04/21/2025	Barium, total	0.0509	mg/L
G08	Compliance	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G08	Compliance	E009	04/21/2025	Boron, total	4.22	mg/L
G08	Compliance	E009R	06/09/2025	Boron, total	5.40	mg/L
G08	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G08	Compliance	E009	04/21/2025	Calcium, total	115	mg/L
G08	Compliance	E009R	06/09/2025	Calcium, total	131	mg/L
G08	Compliance	E009	04/21/2025	Chloride, total	13.5	mg/L
G08	Compliance	E009R	06/09/2025	Chloride, total	13.2	mg/L
G08	Compliance	E009	04/21/2025	Chromium, total	0.00280 J+	mg/L
G08	Compliance	E009	04/21/2025	Cobalt, total	0.00410	mg/L
G08	Compliance	E009	04/21/2025	Dissolved Oxygen	0.660	mg/L
G08	Compliance	E009R	06/09/2025	Dissolved Oxygen	0.810	mg/L
G08	Compliance	E009	04/21/2025	Fluoride, total	0.28 J	mg/L
G08	Compliance	E009R	06/09/2025	Fluoride, total	0.28 J	mg/L
G08	Compliance	E009	04/21/2025	Lead, total	0.00100 J	mg/L
G08	Compliance	E009	04/21/2025	Lithium, total	0.0029 J	mg/L
G08	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G08	Compliance	E009	04/21/2025	Molybdenum, total	0.0013 J	mg/L
G08	Compliance	E009	04/21/2025	Oxidation Reduction Potential	49.0	mV
G08	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	-10.0	mV
G08	Compliance	E009	04/21/2025	pH (field)	6.7	SU
G08	Compliance	E009R	06/09/2025	pH (field)	6.8	SU
G08	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.281	pCi/L
G08	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G08	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	807	micromhos/cm
G08	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	1,040	micromhos/cm
G08	Compliance	E009	04/21/2025	Sulfate, total	274	mg/L
G08	Compliance	E009R	06/09/2025	Sulfate, total	416	mg/L
G08	Compliance	E009	04/21/2025	Temperature	17.0	degrees C
G08	Compliance	E009R	06/09/2025	Temperature	19.2	degrees C
G08	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G08	Compliance	E009	04/21/2025	Total Dissolved Solids	610	mg/L
G08	Compliance	E009R	06/09/2025	Total Dissolved Solids	816	mg/L
G08	Compliance	E009	04/21/2025	Turbidity, field	50.0	NTU
G08	Compliance	E009R	06/09/2025	Turbidity, field	30.0	NTU
G09	Compliance	E009	04/22/2025	Antimony, total	0.0004 U	mg/L
G09	Compliance	E009	04/22/2025	Arsenic, total	0.00440	mg/L
G09	Compliance	E009	04/22/2025	Barium, total	0.0464	mg/L
G09	Compliance	E009	04/22/2025	Beryllium, total	0.0009 J	mg/L
G09	Compliance	E009	04/22/2025	Boron, total	3.20	mg/L
G09	Compliance	E009R	06/09/2025	Boron, total	2.92	mg/L
G09	Compliance	E009	04/22/2025	Cadmium, total	0.0002 U	mg/L
G09	Compliance	E009	04/22/2025	Calcium, total	59.1	mg/L
G09	Compliance	E009R	06/09/2025	Calcium, total	53.3	mg/L
G09	Compliance	E009	04/22/2025	Chloride, total	14.2	mg/L
G09	Compliance	E009R	06/09/2025	Chloride, total	13.1	mg/L
G09	Compliance	E009	04/22/2025	Chromium, total	0.0109 J+	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G09	Compliance	E009	04/22/2025	Cobalt, total	0.00420	mg/L
G09	Compliance	E009	04/22/2025	Dissolved Oxygen	1.07	mg/L
G09	Compliance	E009R	06/09/2025	Dissolved Oxygen	0.970	mg/L
G09	Compliance	E009	04/22/2025	Fluoride, total	0.25 J	mg/L
G09	Compliance	E009R	06/09/2025	Fluoride, total	0.28 J	mg/L
G09	Compliance	E009	04/22/2025	Lead, total	0.00250	mg/L
G09	Compliance	E009	04/22/2025	Lithium, total	0.00390	mg/L
G09	Compliance	E009	04/22/2025	Mercury, total	0.00006 U	mg/L
G09	Compliance	E009	04/22/2025	Molybdenum, total	0.0007 J	mg/L
G09	Compliance	E009	04/22/2025	Oxidation Reduction Potential	49.0	mV
G09	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	59.0	mV
G09	Compliance	E009	04/22/2025	pH (field)	6.0	SU
G09	Compliance	E009R	06/09/2025	pH (field)	5.9	SU
G09	Compliance	E009	04/22/2025	Radium 226 + Radium 228, total	0.802	pCi/L
G09	Compliance	E009	04/22/2025	Selenium, total	0.0006 U	mg/L
G09	Compliance	E009	04/22/2025	Specific Conductance @ 25C (field)	664	micromhos/cm
G09	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	695	micromhos/cm
G09	Compliance	E009	04/22/2025	Sulfate, total	237	mg/L
G09	Compliance	E009R	06/09/2025	Sulfate, total	222	mg/L
G09	Compliance	E009	04/22/2025	Temperature	17.7	degrees C
G09	Compliance	E009R	06/09/2025	Temperature	20.9	degrees C
G09	Compliance	E009	04/22/2025	Thallium, total	0.001 U	mg/L
G09	Compliance	E009	04/22/2025	Total Dissolved Solids	538	mg/L
G09	Compliance	E009R	06/09/2025	Total Dissolved Solids	508	mg/L
G09	Compliance	E009	04/22/2025	Turbidity, field	41.0	NTU
G09	Compliance	E009R	06/09/2025	Turbidity, field	32.0	NTU
G10	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G10	Compliance	E009	04/21/2025	Arsenic, total	0.316	mg/L
G10	Compliance	E009	04/21/2025	Barium, total	0.232	mg/L
G10	Compliance	E009	04/21/2025	Beryllium, total	0.00770	mg/L
G10	Compliance	E009	04/21/2025	Boron, total	1.41	mg/L
G10	Compliance	E009R	06/10/2025	Boron, total	2.12	mg/L
G10	Compliance	E009	04/21/2025	Cadmium, total	0.0005 J	mg/L
G10	Compliance	E009	04/21/2025	Calcium, total	102	mg/L
G10	Compliance	E009R	06/10/2025	Calcium, total	98.3	mg/L
G10	Compliance	E009	04/21/2025	Chloride, total	13.8	mg/L
G10	Compliance	E009R	06/10/2025	Chloride, total	15.8	mg/L
G10	Compliance	E009	04/21/2025	Chromium, total	0.0109 J+	mg/L
G10	Compliance	E009	04/21/2025	Cobalt, total	0.0114	mg/L
G10	Compliance	E009	04/21/2025	Dissolved Oxygen	1.39	mg/L
G10	Compliance	E009R	06/10/2025	Dissolved Oxygen	0.560	mg/L
G10	Compliance	E009	04/21/2025	Fluoride, total	1.03	mg/L
G10	Compliance	E009R	06/10/2025	Fluoride, total	0.760	mg/L
G10	Compliance	E009	04/21/2025	Lead, total	0.00250	mg/L
G10	Compliance	E009	04/21/2025	Lithium, total	0.0272	mg/L
G10	Compliance	E009	04/21/2025	Mercury, total	0.00007 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G10	Compliance	E009	04/21/2025	Molybdenum, total	0.00510	mg/L
G10	Compliance	E009	04/21/2025	Oxidation Reduction Potential	68.0	mV
G10	Compliance	E009R	06/10/2025	Oxidation Reduction Potential	129	mV
G10	Compliance	E009	04/21/2025	pH (field)	6.2	SU
G10	Compliance	E009R	06/10/2025	pH (field)	6.1	SU
G10	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	2.3	pCi/L
G10	Compliance	E009	04/21/2025	Selenium, total	0.00220	mg/L
G10	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	852	micromhos/cm
G10	Compliance	E009R	06/10/2025	Specific Conductance @ 25C (field)	1,020	micromhos/cm
G10	Compliance	E009	04/21/2025	Sulfate, total	253	mg/L
G10	Compliance	E009R	06/10/2025	Sulfate, total	311	mg/L
G10	Compliance	E009	04/21/2025	Temperature	17.2	degrees C
G10	Compliance	E009R	06/10/2025	Temperature	18.6	degrees C
G10	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G10	Compliance	E009	04/21/2025	Total Dissolved Solids	645	mg/L
G10	Compliance	E009R	06/10/2025	Total Dissolved Solids	770	mg/L
G10	Compliance	E009	04/21/2025	Turbidity, field	490	NTU
G10	Compliance	E009R	06/10/2025	Turbidity, field	35.0	NTU
G11	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G11	Compliance	E009	04/21/2025	Arsenic, total	0.00420	mg/L
G11	Compliance	E009	04/21/2025	Barium, total	0.165	mg/L
G11	Compliance	E009	04/21/2025	Beryllium, total	0.00100	mg/L
G11	Compliance	E009	04/21/2025	Boron, total	0.407	mg/L
G11	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G11	Compliance	E009	04/21/2025	Calcium, total	101	mg/L
G11	Compliance	E009	04/21/2025	Chloride, total	32.6	mg/L
G11	Compliance	E009	04/21/2025	Chromium, total	0.0200	mg/L
G11	Compliance	E009	04/21/2025	Cobalt, total	0.0260	mg/L
G11	Compliance	E009	04/21/2025	Dissolved Oxygen	1.23	mg/L
G11	Compliance	E009	04/21/2025	Fluoride, total	0.23 J	mg/L
G11	Compliance	E009	04/21/2025	Lead, total	0.00550	mg/L
G11	Compliance	E009	04/21/2025	Lithium, total	0.00800	mg/L
G11	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G11	Compliance	E009	04/21/2025	Molybdenum, total	0.00200	mg/L
G11	Compliance	E009	04/21/2025	Oxidation Reduction Potential	100	mV
G11	Compliance	E009	04/21/2025	pH (field)	5.9	SU
G11	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	1.64	pCi/L
G11	Compliance	E009	04/21/2025	Selenium, total	0.00310	mg/L
G11	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	1,010	micromhos/cm
G11	Compliance	E009	04/21/2025	Sulfate, total	350	mg/L
G11	Compliance	E009	04/21/2025	Temperature	17.9	degrees C
G11	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G11	Compliance	E009	04/21/2025	Total Dissolved Solids	842	mg/L
G11	Compliance	E009	04/21/2025	Turbidity, field	61.0	NTU
G51D	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G51D	Compliance	E009	04/21/2025	Arsenic, total	0.0004 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G51D	Compliance	E009	04/21/2025	Barium, total	0.0395	mg/L
G51D	Compliance	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L
G51D	Compliance	E009	04/21/2025	Boron, total	0.786	mg/L
G51D	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G51D	Compliance	E009	04/21/2025	Calcium, total	25.0	mg/L
G51D	Compliance	E009	04/21/2025	Chloride, total	4.7 J	mg/L
G51D	Compliance	E009	04/21/2025	Chromium, total	0.00320 J+	mg/L
G51D	Compliance	E009	04/21/2025	Cobalt, total	0.00110	mg/L
G51D	Compliance	E009	04/21/2025	Dissolved Oxygen	1.86	mg/L
G51D	Compliance	E009	04/21/2025	Fluoride, total	0.04 J	mg/L
G51D	Compliance	E009	04/21/2025	Lead, total	0.0008 J	mg/L
G51D	Compliance	E009	04/21/2025	Lithium, total	0.00620	mg/L
G51D	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G51D	Compliance	E009	04/21/2025	Molybdenum, total	0.0006 U	mg/L
G51D	Compliance	E009	04/21/2025	Oxidation Reduction Potential	35.0	mV
G51D	Compliance	E009	04/21/2025	pH (field)	5.3	SU
G51D	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.0487	pCi/L
G51D	Compliance	E009	04/21/2025	Selenium, total	0.00580	mg/L
G51D	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	371	micromhos/cm
G51D	Compliance	E009	04/21/2025	Sulfate, total	106	mg/L
G51D	Compliance	E009	04/21/2025	Temperature	17.7	degrees C
G51D	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G51D	Compliance	E009	04/21/2025	Total Dissolved Solids	324	mg/L
G51D	Compliance	E009	04/21/2025	Turbidity, field	42.0	NTU
G52D	Compliance	E009	04/22/2025	Antimony, total	0.0004 U	mg/L
G52D	Compliance	E009	04/22/2025	Arsenic, total	0.00120	mg/L
G52D	Compliance	E009	04/22/2025	Barium, total	0.274	mg/L
G52D	Compliance	E009	04/22/2025	Beryllium, total	0.0002 U	mg/L
G52D	Compliance	E009	04/22/2025	Boron, total	0.0282 J+	mg/L
G52D	Compliance	E009	04/22/2025	Cadmium, total	0.0002 U	mg/L
G52D	Compliance	E009	04/22/2025	Calcium, total	40.9	mg/L
G52D	Compliance	E009	04/22/2025	Chloride, total	12.4	mg/L
G52D	Compliance	E009	04/22/2025	Chromium, total	0.0007 U	mg/L
G52D	Compliance	E009	04/22/2025	Cobalt, total	0.00380	mg/L
G52D	Compliance	E009	04/22/2025	Dissolved Oxygen	0.340	mg/L
G52D	Compliance	E009	04/22/2025	Fluoride, total	0.24 J	mg/L
G52D	Compliance	E009	04/22/2025	Lead, total	0.0006 U	mg/L
G52D	Compliance	E009	04/22/2025	Lithium, total	0.0025 J	mg/L
G52D	Compliance	E009	04/22/2025	Mercury, total	0.00006 U	mg/L
G52D	Compliance	E009	04/22/2025	Molybdenum, total	0.0006 J	mg/L
G52D	Compliance	E009	04/22/2025	Oxidation Reduction Potential	64.0	mV
G52D	Compliance	E009	04/22/2025	pH (field)	6.3	SU
G52D	Compliance	E009	04/22/2025	Radium 226 + Radium 228, total	0.898	pCi/L
G52D	Compliance	E009	04/22/2025	Selenium, total	0.0006 U	mg/L
G52D	Compliance	E009	04/22/2025	Specific Conductance @ 25C (field)	459	micromhos/cm
G52D	Compliance	E009	04/22/2025	Sulfate, total	30.9	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G52D	Compliance	E009	04/22/2025	Temperature	15.6	degrees C
G52D	Compliance	E009	04/22/2025	Thallium, total	0.001 U	mg/L
G52D	Compliance	E009	04/22/2025	Total Dissolved Solids	314 J+	mg/L
G52D	Compliance	E009	04/22/2025	Turbidity, field	5.00	NTU
G53D	Compliance	E009	04/21/2025	Antimony, total	0.0004 U	mg/L
G53D	Compliance	E009	04/21/2025	Arsenic, total	0.0004 J	mg/L
G53D	Compliance	E009	04/21/2025	Barium, total	0.0949	mg/L
G53D	Compliance	E009	04/21/2025	Beryllium, total	0.0002 U	mg/L
G53D	Compliance	E009	04/21/2025	Boron, total	0.345	mg/L
G53D	Compliance	E009R	06/09/2025	Boron, total	0.324	mg/L
G53D	Compliance	E009	04/21/2025	Cadmium, total	0.0002 U	mg/L
G53D	Compliance	E009	04/21/2025	Calcium, total	36.4	mg/L
G53D	Compliance	E009R	06/09/2025	Calcium, total	35.1	mg/L
G53D	Compliance	E009	04/21/2025	Chloride, total	16.1	mg/L
G53D	Compliance	E009R	06/09/2025	Chloride, total	15.0	mg/L
G53D	Compliance	E009	04/21/2025	Chromium, total	0.0007 UJ	mg/L
G53D	Compliance	E009	04/21/2025	Cobalt, total	0.00110	mg/L
G53D	Compliance	E009	04/21/2025	Dissolved Oxygen	0.420	mg/L
G53D	Compliance	E009R	06/09/2025	Dissolved Oxygen	0.240	mg/L
G53D	Compliance	E009	04/21/2025	Fluoride, total	0.670	mg/L
G53D	Compliance	E009R	06/09/2025	Fluoride, total	0.730	mg/L
G53D	Compliance	E009	04/21/2025	Lead, total	0.0006 U	mg/L
G53D	Compliance	E009	04/21/2025	Lithium, total	0.0015 U	mg/L
G53D	Compliance	E009	04/21/2025	Mercury, total	0.00006 U	mg/L
G53D	Compliance	E009	04/21/2025	Molybdenum, total	0.0006 U	mg/L
G53D	Compliance	E009	04/21/2025	Oxidation Reduction Potential	106	mV
G53D	Compliance	E009R	06/09/2025	Oxidation Reduction Potential	118	mV
G53D	Compliance	E009	04/21/2025	pH (field)	6.4	SU
G53D	Compliance	E009R	06/09/2025	pH (field)	6.2	SU
G53D	Compliance	E009	04/21/2025	Radium 226 + Radium 228, total	0.179	pCi/L
G53D	Compliance	E009	04/21/2025	Selenium, total	0.0006 U	mg/L
G53D	Compliance	E009	04/21/2025	Specific Conductance @ 25C (field)	524	micromhos/cm
G53D	Compliance	E009R	06/09/2025	Specific Conductance @ 25C (field)	506	micromhos/cm
G53D	Compliance	E009	04/21/2025	Sulfate, total	60.9	mg/L
G53D	Compliance	E009R	06/09/2025	Sulfate, total	57.8	mg/L
G53D	Compliance	E009	04/21/2025	Temperature	16.6	degrees C
G53D	Compliance	E009R	06/09/2025	Temperature	16.8	degrees C
G53D	Compliance	E009	04/21/2025	Thallium, total	0.001 U	mg/L
G53D	Compliance	E009	04/21/2025	Total Dissolved Solids	322	mg/L
G53D	Compliance	E009R	06/09/2025	Total Dissolved Solids	334	mg/L
G53D	Compliance	E009	04/21/2025	Turbidity, field	4.00	NTU
G53D	Compliance	E009R	06/09/2025	Turbidity, field	1.60	NTU
G54D	Compliance	E009	04/22/2025	Antimony, total	0.0004 U	mg/L
G54D	Compliance	E009	04/22/2025	Arsenic, total	0.0004 U	mg/L
G54D	Compliance	E009	04/22/2025	Barium, total	0.200	mg/L
G54D	Compliance	E009	04/22/2025	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G54D	Compliance	E009	04/22/2025	Boron, total	0.0092 UJ	mg/L
G54D	Compliance	E009	04/22/2025	Cadmium, total	0.0002 U	mg/L
G54D	Compliance	E009	04/22/2025	Calcium, total	33.2	mg/L
G54D	Compliance	E009	04/22/2025	Chloride, total	39.4	mg/L
G54D	Compliance	E009	04/22/2025	Chromium, total	0.0007 UJ	mg/L
G54D	Compliance	E009	04/22/2025	Cobalt, total	0.0001 U	mg/L
G54D	Compliance	E009	04/22/2025	Dissolved Oxygen	1.06	mg/L
G54D	Compliance	E009	04/22/2025	Fluoride, total	0.530	mg/L
G54D	Compliance	E009	04/22/2025	Lead, total	0.0006 U	mg/L
G54D	Compliance	E009	04/22/2025	Lithium, total	0.0028 J	mg/L
G54D	Compliance	E009	04/22/2025	Mercury, total	0.00006 U	mg/L
G54D	Compliance	E009	04/22/2025	Molybdenum, total	0.00170	mg/L
G54D	Compliance	E009	04/22/2025	Oxidation Reduction Potential	106	mV
G54D	Compliance	E009	04/22/2025	pH (field)	6.2	SU
G54D	Compliance	E009	04/22/2025	Radium 226 + Radium 228, total	1.3	pCi/L
G54D	Compliance	E009	04/22/2025	Selenium, total	0.0180	mg/L
G54D	Compliance	E009	04/22/2025	Specific Conductance @ 25C (field)	563	micromhos/cm
G54D	Compliance	E009	04/22/2025	Sulfate, total	31.7	mg/L
G54D	Compliance	E009	04/22/2025	Temperature	15.7	degrees C
G54D	Compliance	E009	04/22/2025	Thallium, total	0.001 U	mg/L
G54D	Compliance	E009	04/22/2025	Total Dissolved Solids	366	mg/L
G54D	Compliance	E009	04/22/2025	Turbidity, field	58.0	NTU

Notes:
C = Celsius
cm = centimeter
Events:
 E009 = Quarter 2, 2025 sampling event
 E009R = Quarter 2, 2025 resampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
 NR¹ = Parameter not analyzed.
 NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
 NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
 NS³ = The location was not accessible; therefore, a sample was not collected.
 NS⁴ = The location could not be found; therefore, a sample was not collected.
 NS⁵ = The location was damaged; therefore, a sample was not collected.
 NS⁶ = Sampling pump could not yield a sample.
 NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
 NS⁸ = A sample was not collected.
 PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
 J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 J+ = The result is an estimated quantity, but the result may be biased high.
 U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
 UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
SU = Standard Units

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G01D	Background	E010	08/05/2025	Antimony, total	0.0007 J	mg/L
G01D	Background	E010	08/05/2025	Arsenic, total	0.0007 J	mg/L
G01D	Background	E010	08/05/2025	Barium, total	0.132	mg/L
G01D	Background	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G01D	Background	E010	08/05/2025	Boron, total	0.025 UJ	mg/L
G01D	Background	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G01D	Background	E010	08/05/2025	Calcium, total	19.0	mg/L
G01D	Background	E010	08/05/2025	Chloride, total	3.5 J	mg/L
G01D	Background	E010	08/05/2025	Chromium, total	0.00280 J+	mg/L
G01D	Background	E010	08/05/2025	Cobalt, total	0.0008 J	mg/L
G01D	Background	E010	08/05/2025	Dissolved Oxygen	0.970	mg/L
G01D	Background	E010	08/05/2025	Fluoride, total	0.15 J	mg/L
G01D	Background	E010	08/05/2025	Lead, total	0.00130	mg/L
G01D	Background	E010	08/05/2025	Lithium, total	0.0021 J	mg/L
G01D	Background	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G01D	Background	E010	08/05/2025	Molybdenum, total	0.001 J	mg/L
G01D	Background	E010	08/05/2025	Oxidation Reduction Potential	55.0	mV
G01D	Background	E010	08/05/2025	pH (field)	6.6	SU
G01D	Background	E010	08/05/2025	Radium 226 + Radium 228, total	11.4	pCi/L
G01D	Background	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G01D	Background	E010	08/05/2025	Specific Conductance @ 25C (field)	504	micromhos/cm
G01D	Background	E010	08/05/2025	Sulfate, total	22.3	mg/L
G01D	Background	E010	08/05/2025	Temperature	20.1	degrees C
G01D	Background	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G01D	Background	E010	08/05/2025	Total Dissolved Solids	342	mg/L
G01D	Background	E010	08/05/2025	Turbidity, field	8.00	NTU
G02D	Background	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G02D	Background	E010	08/05/2025	Arsenic, total	0.0004 U	mg/L
G02D	Background	E010	08/05/2025	Barium, total	0.171	mg/L
G02D	Background	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G02D	Background	E010	08/05/2025	Boron, total	0.0254 J+	mg/L
G02D	Background	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G02D	Background	E010	08/05/2025	Calcium, total	30.5	mg/L
G02D	Background	E010	08/05/2025	Chloride, total	17.3	mg/L
G02D	Background	E010	08/05/2025	Chromium, total	0.0007 U	mg/L
G02D	Background	E010	08/05/2025	Cobalt, total	0.0001 U	mg/L
G02D	Background	E010	08/05/2025	Dissolved Oxygen	2.43	mg/L
G02D	Background	E010	08/05/2025	Fluoride, total	0.16 J	mg/L
G02D	Background	E010	08/05/2025	Lead, total	0.0006 U	mg/L
G02D	Background	E010	08/05/2025	Lithium, total	0.0015 U	mg/L
G02D	Background	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G02D	Background	E010	08/05/2025	Molybdenum, total	0.001 J	mg/L
G02D	Background	E010	08/05/2025	Oxidation Reduction Potential	143	mV
G02D	Background	E010	08/05/2025	pH (field)	6.3	SU
G02D	Background	E010	08/05/2025	Radium 226 + Radium 228, total	1.18	pCi/L
G02D	Background	E010	08/05/2025	Selenium, total	0.00260	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G02D	Background	E010	08/05/2025	Specific Conductance @ 25C (field)	398	micromhos/cm
G02D	Background	E010	08/05/2025	Sulfate, total	18.5	mg/L
G02D	Background	E010	08/05/2025	Temperature	16.8	degrees C
G02D	Background	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G02D	Background	E010	08/05/2025	Total Dissolved Solids	254	mg/L
G02D	Background	E010	08/05/2025	Turbidity, field	2.20	NTU
G03	Compliance	E010	08/05/2025	Antimony, total	0.0008 J	mg/L
G03	Compliance	E010	08/05/2025	Arsenic, total	0.00110 J	mg/L
G03	Compliance	E010	08/05/2025	Barium, total	0.0512 J	mg/L
G03	Compliance	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G03	Compliance	E010	08/05/2025	Boron, total	0.263	mg/L
G03	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G03	Compliance	E010	08/05/2025	Calcium, total	57.4	mg/L
G03	Compliance	E010	08/05/2025	Chloride, total	30.6	mg/L
G03	Compliance	E010	08/05/2025	Chromium, total	0.00470 J+	mg/L
G03	Compliance	E010	08/05/2025	Cobalt, total	0.00190 J	mg/L
G03	Compliance	E010	08/05/2025	Dissolved Oxygen	2.29	mg/L
G03	Compliance	E010	08/05/2025	Fluoride, total	0.19 J	mg/L
G03	Compliance	E010	08/05/2025	Lead, total	0.00160 J	mg/L
G03	Compliance	E010	08/05/2025	Lithium, total	0.00310 J	mg/L
G03	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G03	Compliance	E010	08/05/2025	Molybdenum, total	0.0007 J	mg/L
G03	Compliance	E010	08/05/2025	Oxidation Reduction Potential	136	mV
G03	Compliance	E010	08/05/2025	pH (field)	6.3	SU
G03	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	5.08	pCi/L
G03	Compliance	E010	08/05/2025	Selenium, total	0.0008 J	mg/L
G03	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	637	micromhos/cm
G03	Compliance	E010	08/05/2025	Sulfate, total	112	mg/L
G03	Compliance	E010	08/05/2025	Temperature	23.3	degrees C
G03	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G03	Compliance	E010	08/05/2025	Total Dissolved Solids	484	mg/L
G03	Compliance	E010	08/05/2025	Turbidity, field	50.0	NTU
G05	Compliance	E010	08/06/2025	Antimony, total	0.0004 U	mg/L
G05	Compliance	E010	08/06/2025	Arsenic, total	0.00110	mg/L
G05	Compliance	E010	08/06/2025	Barium, total	0.194	mg/L
G05	Compliance	E010	08/06/2025	Beryllium, total	0.0002 U	mg/L
G05	Compliance	E010	08/06/2025	Boron, total	0.0300 J+	mg/L
G05	Compliance	E010	08/06/2025	Cadmium, total	0.0002 U	mg/L
G05	Compliance	E010	08/06/2025	Calcium, total	55.0	mg/L
G05	Compliance	E010	08/06/2025	Chloride, total	19.9	mg/L
G05	Compliance	E010	08/06/2025	Chromium, total	0.00220	mg/L
G05	Compliance	E010	08/06/2025	Cobalt, total	0.00370	mg/L
G05	Compliance	E010	08/06/2025	Dissolved Oxygen	0.850	mg/L
G05	Compliance	E010	08/06/2025	Fluoride, total	0.41 J	mg/L
G05	Compliance	E010	08/06/2025	Lead, total	0.0006 U	mg/L
G05	Compliance	E010	08/06/2025	Lithium, total	0.0024 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G05	Compliance	E010	08/06/2025	Mercury, total	0.00006 U	mg/L
G05	Compliance	E010	08/06/2025	Molybdenum, total	0.00440	mg/L
G05	Compliance	E010	08/06/2025	Oxidation Reduction Potential	6.00	mV
G05	Compliance	E010	08/06/2025	pH (field)	6.4	SU
G05	Compliance	E010	08/06/2025	Radium 226 + Radium 228, total	1.12	pCi/L
G05	Compliance	E010	08/06/2025	Selenium, total	0.0007 J	mg/L
G05	Compliance	E010	08/06/2025	Specific Conductance @ 25C (field)	613	micromhos/cm
G05	Compliance	E010	08/06/2025	Sulfate, total	83.3	mg/L
G05	Compliance	E010	08/06/2025	Temperature	19.1	degrees C
G05	Compliance	E010	08/06/2025	Thallium, total	0.001 U	mg/L
G05	Compliance	E010	08/06/2025	Total Dissolved Solids	426	mg/L
G05	Compliance	E010	08/06/2025	Turbidity, field	68.0	NTU
G06	Compliance	E010	08/05/2025	Antimony, total	0.0006 J	mg/L
G06	Compliance	E010	08/05/2025	Arsenic, total	0.0009 J	mg/L
G06	Compliance	E010	08/05/2025	Barium, total	0.0307	mg/L
G06	Compliance	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G06	Compliance	E010	08/05/2025	Boron, total	2.64	mg/L
G06	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G06	Compliance	E010	08/05/2025	Calcium, total	81.2	mg/L
G06	Compliance	E010	08/05/2025	Chloride, total	17.0	mg/L
G06	Compliance	E010	08/05/2025	Chromium, total	0.00280 J+	mg/L
G06	Compliance	E010	08/05/2025	Cobalt, total	0.0006 J	mg/L
G06	Compliance	E010	08/05/2025	Dissolved Oxygen	0.720	mg/L
G06	Compliance	E010	08/05/2025	Fluoride, total	0.23 J	mg/L
G06	Compliance	E010	08/05/2025	Lead, total	0.00180	mg/L
G06	Compliance	E010	08/05/2025	Lithium, total	0.00660	mg/L
G06	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G06	Compliance	E010	08/05/2025	Molybdenum, total	0.0007 J	mg/L
G06	Compliance	E010	08/05/2025	Oxidation Reduction Potential	115	mV
G06	Compliance	E010	08/05/2025	pH (field)	6.4	SU
G06	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	1.51	pCi/L
G06	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G06	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	788	micromhos/cm
G06	Compliance	E010	08/05/2025	Sulfate, total	184	mg/L
G06	Compliance	E010	08/05/2025	Temperature	17.4	degrees C
G06	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G06	Compliance	E010	08/05/2025	Total Dissolved Solids	568	mg/L
G06	Compliance	E010	08/05/2025	Turbidity, field	100	NTU
G07	Compliance	E010	08/05/2025	Antimony, total	0.0005 J	mg/L
G07	Compliance	E010	08/05/2025	Arsenic, total	0.00180	mg/L
G07	Compliance	E010	08/05/2025	Barium, total	0.0885	mg/L
G07	Compliance	E010	08/05/2025	Beryllium, total	0.0007 J	mg/L
G07	Compliance	E010	08/05/2025	Boron, total	3.62	mg/L
G07	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G07	Compliance	E010	08/05/2025	Calcium, total	84.7	mg/L
G07	Compliance	E010	08/05/2025	Chloride, total	14.8	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G07	Compliance	E010	08/05/2025	Chromium, total	0.0107	mg/L
G07	Compliance	E010	08/05/2025	Cobalt, total	0.00220	mg/L
G07	Compliance	E010	08/05/2025	Dissolved Oxygen	0.880	mg/L
G07	Compliance	E010	08/05/2025	Fluoride, total	0.41 J	mg/L
G07	Compliance	E010	08/05/2025	Lead, total	0.00540	mg/L
G07	Compliance	E010	08/05/2025	Lithium, total	0.0110	mg/L
G07	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G07	Compliance	E010	08/05/2025	Molybdenum, total	0.0007 J	mg/L
G07	Compliance	E010	08/05/2025	Oxidation Reduction Potential	134	mV
G07	Compliance	E010	08/05/2025	pH (field)	6.2	SU
G07	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	1.93	pCi/L
G07	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G07	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	886	micromhos/cm
G07	Compliance	E010	08/05/2025	Sulfate, total	244	mg/L
G07	Compliance	E010	08/05/2025	Temperature	17.1	degrees C
G07	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G07	Compliance	E010	08/05/2025	Total Dissolved Solids	666	mg/L
G07	Compliance	E010	08/05/2025	Turbidity, field	150	NTU
G08	Compliance	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G08	Compliance	E010	08/05/2025	Arsenic, total	0.00620	mg/L
G08	Compliance	E010	08/05/2025	Barium, total	0.0416	mg/L
G08	Compliance	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G08	Compliance	E010	08/05/2025	Boron, total	5.58	mg/L
G08	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G08	Compliance	E010	08/05/2025	Calcium, total	128	mg/L
G08	Compliance	E010	08/05/2025	Chloride, total	12.6	mg/L
G08	Compliance	E010	08/05/2025	Chromium, total	0.00270 J+	mg/L
G08	Compliance	E010	08/05/2025	Cobalt, total	0.00320	mg/L
G08	Compliance	E010	08/05/2025	Dissolved Oxygen	0.690	mg/L
G08	Compliance	E010	08/05/2025	Fluoride, total	0.3 J	mg/L
G08	Compliance	E010	08/05/2025	Lead, total	0.0008 J	mg/L
G08	Compliance	E010	08/05/2025	Lithium, total	0.00460	mg/L
G08	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G08	Compliance	E010	08/05/2025	Molybdenum, total	0.00240	mg/L
G08	Compliance	E010	08/05/2025	Oxidation Reduction Potential	-33.0	mV
G08	Compliance	E010	08/05/2025	pH (field)	6.7	SU
G08	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	1.06	pCi/L
G08	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G08	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	1,050	micromhos/cm
G08	Compliance	E010	08/05/2025	Sulfate, total	374	mg/L
G08	Compliance	E010	08/05/2025	Temperature	17.5	degrees C
G08	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G08	Compliance	E010	08/05/2025	Total Dissolved Solids	802	mg/L
G08	Compliance	E010	08/05/2025	Turbidity, field	62.0	NTU
G09	Compliance	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G09	Compliance	E010	08/05/2025	Arsenic, total	0.00190	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G09	Compliance	E010	08/05/2025	Barium, total	0.0347	mg/L
G09	Compliance	E010	08/05/2025	Beryllium, total	0.0004 J	mg/L
G09	Compliance	E010	08/05/2025	Boron, total	3.11	mg/L
G09	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G09	Compliance	E010	08/05/2025	Calcium, total	56.0	mg/L
G09	Compliance	E010	08/05/2025	Chloride, total	13.1	mg/L
G09	Compliance	E010	08/05/2025	Chromium, total	0.00350 J+	mg/L
G09	Compliance	E010	08/05/2025	Cobalt, total	0.00300	mg/L
G09	Compliance	E010	08/05/2025	Dissolved Oxygen	0.800	mg/L
G09	Compliance	E010	08/05/2025	Fluoride, total	0.26 J	mg/L
G09	Compliance	E010	08/05/2025	Lead, total	0.00110	mg/L
G09	Compliance	E010	08/05/2025	Lithium, total	0.00600	mg/L
G09	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G09	Compliance	E010	08/05/2025	Molybdenum, total	0.0006 U	mg/L
G09	Compliance	E010	08/05/2025	Oxidation Reduction Potential	42.0	mV
G09	Compliance	E010	08/05/2025	pH (field)	5.8	SU
G09	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	2.34	pCi/L
G09	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G09	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	720	micromhos/cm
G09	Compliance	E010	08/05/2025	Sulfate, total	223	mg/L
G09	Compliance	E010	08/05/2025	Temperature	18.6	degrees C
G09	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G09	Compliance	E010	08/05/2025	Total Dissolved Solids	560	mg/L
G09	Compliance	E010	08/05/2025	Turbidity, field	34.0	NTU
G10	Compliance	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G10	Compliance	E010	08/05/2025	Arsenic, total	0.00910	mg/L
G10	Compliance	E010	08/05/2025	Barium, total	0.0516	mg/L
G10	Compliance	E010	08/05/2025	Beryllium, total	0.00100 J	mg/L
G10	Compliance	E010	08/05/2025	Boron, total	2.11	mg/L
G10	Compliance	E010	08/05/2025	Cadmium, total	0.0002 J	mg/L
G10	Compliance	E010	08/05/2025	Calcium, total	102	mg/L
G10	Compliance	E010	08/05/2025	Chloride, total	25.7	mg/L
G10	Compliance	E010	08/05/2025	Chromium, total	0.00950	mg/L
G10	Compliance	E010	08/05/2025	Cobalt, total	0.00750	mg/L
G10	Compliance	E010	08/05/2025	Dissolved Oxygen	0.760	mg/L
G10	Compliance	E010	08/05/2025	Fluoride, total	1.04	mg/L
G10	Compliance	E010	08/05/2025	Lead, total	0.00310	mg/L
G10	Compliance	E010	08/05/2025	Lithium, total	0.0329	mg/L
G10	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G10	Compliance	E010	08/05/2025	Molybdenum, total	0.00290	mg/L
G10	Compliance	E010	08/05/2025	Oxidation Reduction Potential	114	mV
G10	Compliance	E010	08/05/2025	pH (field)	6.0	SU
G10	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	2.84	pCi/L
G10	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G10	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	1,070	micromhos/cm
G10	Compliance	E010	08/05/2025	Sulfate, total	326	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G10	Compliance	E010	08/05/2025	Temperature	18.2	degrees C
G10	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G10	Compliance	E010	08/05/2025	Total Dissolved Solids	796	mg/L
G10	Compliance	E010	08/05/2025	Turbidity, field	69.0	NTU
G11	Compliance	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G11	Compliance	E010	08/05/2025	Arsenic, total	0.00280	mg/L
G11	Compliance	E010	08/05/2025	Barium, total	0.140	mg/L
G11	Compliance	E010	08/05/2025	Beryllium, total	0.0007 J	mg/L
G11	Compliance	E010	08/05/2025	Boron, total	0.270	mg/L
G11	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G11	Compliance	E010	08/05/2025	Calcium, total	67.2	mg/L
G11	Compliance	E010	08/05/2025	Chloride, total	27.6	mg/L
G11	Compliance	E010	08/05/2025	Chromium, total	0.0208	mg/L
G11	Compliance	E010	08/05/2025	Cobalt, total	0.0148	mg/L
G11	Compliance	E010	08/05/2025	Dissolved Oxygen	1.80	mg/L
G11	Compliance	E010	08/05/2025	Fluoride, total	0.24 J	mg/L
G11	Compliance	E010	08/05/2025	Lead, total	0.00380	mg/L
G11	Compliance	E010	08/05/2025	Lithium, total	0.00870	mg/L
G11	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G11	Compliance	E010	08/05/2025	Molybdenum, total	0.00170	mg/L
G11	Compliance	E010	08/05/2025	Oxidation Reduction Potential	214	mV
G11	Compliance	E010	08/05/2025	pH (field)	5.7	SU
G11	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	1.96	pCi/L
G11	Compliance	E010	08/05/2025	Selenium, total	0.00200	mg/L
G11	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	869	micromhos/cm
G11	Compliance	E010	08/05/2025	Sulfate, total	223	mg/L
G11	Compliance	E010	08/05/2025	Temperature	18.9	degrees C
G11	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G11	Compliance	E010	08/05/2025	Total Dissolved Solids	680	mg/L
G11	Compliance	E010	08/05/2025	Turbidity, field	430	NTU
G51D	Compliance	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G51D	Compliance	E010	08/05/2025	Arsenic, total	0.0004 U	mg/L
G51D	Compliance	E010	08/05/2025	Barium, total	0.0370	mg/L
G51D	Compliance	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G51D	Compliance	E010	08/05/2025	Boron, total	0.620	mg/L
G51D	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G51D	Compliance	E010	08/05/2025	Calcium, total	25.9	mg/L
G51D	Compliance	E010	08/05/2025	Chloride, total	4.6 J	mg/L
G51D	Compliance	E010	08/05/2025	Chromium, total	0.00150	mg/L
G51D	Compliance	E010	08/05/2025	Cobalt, total	0.0007 J	mg/L
G51D	Compliance	E010	08/05/2025	Dissolved Oxygen	3.69	mg/L
G51D	Compliance	E010	08/05/2025	Fluoride, total	0.04 U	mg/L
G51D	Compliance	E010	08/05/2025	Lead, total	0.0007 J	mg/L
G51D	Compliance	E010	08/05/2025	Lithium, total	0.00850	mg/L
G51D	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G51D	Compliance	E010	08/05/2025	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G51D	Compliance	E010	08/05/2025	Oxidation Reduction Potential	198	mV
G51D	Compliance	E010	08/05/2025	pH (field)	5.2	SU
G51D	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	1.45	pCi/L
G51D	Compliance	E010	08/05/2025	Selenium, total	0.00550	mg/L
G51D	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	409	micromhos/cm
G51D	Compliance	E010	08/05/2025	Sulfate, total	99.0	mg/L
G51D	Compliance	E010	08/05/2025	Temperature	18.4	degrees C
G51D	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G51D	Compliance	E010	08/05/2025	Total Dissolved Solids	332	mg/L
G51D	Compliance	E010	08/05/2025	Turbidity, field	9.70	NTU
G52D	Compliance	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G52D	Compliance	E010	08/05/2025	Arsenic, total	0.00110	mg/L
G52D	Compliance	E010	08/05/2025	Barium, total	0.283	mg/L
G52D	Compliance	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G52D	Compliance	E010	08/05/2025	Boron, total	0.025 UJ	mg/L
G52D	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G52D	Compliance	E010	08/05/2025	Calcium, total	44.5	mg/L
G52D	Compliance	E010	08/05/2025	Chloride, total	12.5	mg/L
G52D	Compliance	E010	08/05/2025	Chromium, total	0.0007 U	mg/L
G52D	Compliance	E010	08/05/2025	Cobalt, total	0.00320	mg/L
G52D	Compliance	E010	08/05/2025	Dissolved Oxygen	0.650	mg/L
G52D	Compliance	E010	08/05/2025	Fluoride, total	0.22 J	mg/L
G52D	Compliance	E010	08/05/2025	Lead, total	0.0006 U	mg/L
G52D	Compliance	E010	08/05/2025	Lithium, total	0.00400	mg/L
G52D	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G52D	Compliance	E010	08/05/2025	Molybdenum, total	0.0011 J	mg/L
G52D	Compliance	E010	08/05/2025	Oxidation Reduction Potential	-12.0	mV
G52D	Compliance	E010	08/05/2025	pH (field)	6.3	SU
G52D	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	2.43	pCi/L
G52D	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G52D	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	503	micromhos/cm
G52D	Compliance	E010	08/05/2025	Sulfate, total	30.2	mg/L
G52D	Compliance	E010	08/05/2025	Temperature	16.4	degrees C
G52D	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G52D	Compliance	E010	08/05/2025	Total Dissolved Solids	338	mg/L
G52D	Compliance	E010	08/05/2025	Turbidity, field	1 U	NTU
G53D	Compliance	E010	08/05/2025	Antimony, total	0.0004 U	mg/L
G53D	Compliance	E010	08/05/2025	Arsenic, total	0.0004 U	mg/L
G53D	Compliance	E010	08/05/2025	Barium, total	0.0847	mg/L
G53D	Compliance	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G53D	Compliance	E010	08/05/2025	Boron, total	0.327	mg/L
G53D	Compliance	E010	08/05/2025	Cadmium, total	0.0002 U	mg/L
G53D	Compliance	E010	08/05/2025	Calcium, total	36.5	mg/L
G53D	Compliance	E010	08/05/2025	Chloride, total	15.1	mg/L
G53D	Compliance	E010	08/05/2025	Chromium, total	0.0007 U	mg/L
G53D	Compliance	E010	08/05/2025	Cobalt, total	0.0006 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G53D	Compliance	E010	08/05/2025	Dissolved Oxygen	0.710	mg/L
G53D	Compliance	E010	08/05/2025	Fluoride, total	0.670	mg/L
G53D	Compliance	E010	08/05/2025	Lead, total	0.0006 U	mg/L
G53D	Compliance	E010	08/05/2025	Lithium, total	0.0016 J	mg/L
G53D	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G53D	Compliance	E010	08/05/2025	Molybdenum, total	0.0006 U	mg/L
G53D	Compliance	E010	08/05/2025	Oxidation Reduction Potential	20.0	mV
G53D	Compliance	E010	08/05/2025	pH (field)	6.2	SU
G53D	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	1.16	pCi/L
G53D	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G53D	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	616	micromhos/cm
G53D	Compliance	E010	08/05/2025	Sulfate, total	56.6	mg/L
G53D	Compliance	E010	08/05/2025	Temperature	19.1	degrees C
G53D	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G53D	Compliance	E010	08/05/2025	Total Dissolved Solids	342	mg/L
G53D	Compliance	E010	08/05/2025	Turbidity, field	2.80	NTU
G54D	Compliance	E010	08/05/2025	Antimony, total	0.0005 J	mg/L
G54D	Compliance	E010	08/05/2025	Arsenic, total	0.00130	mg/L
G54D	Compliance	E010	08/05/2025	Barium, total	0.0684	mg/L
G54D	Compliance	E010	08/05/2025	Beryllium, total	0.0002 U	mg/L
G54D	Compliance	E010	08/05/2025	Boron, total	0.583	mg/L
G54D	Compliance	E010	08/05/2025	Cadmium, total	0.0002 J	mg/L
G54D	Compliance	E010	08/05/2025	Calcium, total	88.7	mg/L
G54D	Compliance	E010	08/05/2025	Chloride, total	20.3	mg/L
G54D	Compliance	E010	08/05/2025	Chromium, total	0.00190	mg/L
G54D	Compliance	E010	08/05/2025	Cobalt, total	0.00790	mg/L
G54D	Compliance	E010	08/05/2025	Dissolved Oxygen	0.820	mg/L
G54D	Compliance	E010	08/05/2025	Fluoride, total	0.21 J	mg/L
G54D	Compliance	E010	08/05/2025	Lead, total	0.00150	mg/L
G54D	Compliance	E010	08/05/2025	Lithium, total	0.00380	mg/L
G54D	Compliance	E010	08/05/2025	Mercury, total	0.00006 U	mg/L
G54D	Compliance	E010	08/05/2025	Molybdenum, total	0.001 J	mg/L
G54D	Compliance	E010	08/05/2025	Oxidation Reduction Potential	-15.0	mV
G54D	Compliance	E010	08/05/2025	pH (field)	6.6	SU
G54D	Compliance	E010	08/05/2025	Radium 226 + Radium 228, total	2.14	pCi/L
G54D	Compliance	E010	08/05/2025	Selenium, total	0.0006 U	mg/L
G54D	Compliance	E010	08/05/2025	Specific Conductance @ 25C (field)	827	micromhos/cm
G54D	Compliance	E010	08/05/2025	Sulfate, total	192	mg/L
G54D	Compliance	E010	08/05/2025	Temperature	19.3	degrees C
G54D	Compliance	E010	08/05/2025	Thallium, total	0.001 U	mg/L
G54D	Compliance	E010	08/05/2025	Total Dissolved Solids	628	mg/L
G54D	Compliance	E010	08/05/2025	Turbidity, field	24.0	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

C = Celsius

cm = centimeter

Events:

E010 = Quarter 3, 2025 sampling event

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ = The result is an estimated quantity, but the result may be biased high.

U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

SU = Standard Units

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G01D	Background	E011	11/10/2025	Antimony, total	0.0004 U	mg/L
G01D	Background	E011	11/10/2025	Arsenic, total	0.0008 J	mg/L
G01D	Background	E011	11/10/2025	Barium, total	0.232	mg/L
G01D	Background	E011	11/10/2025	Beryllium, total	0.0002 U	mg/L
G01D	Background	E011	11/10/2025	Boron, total	0.025 UJ	mg/L
G01D	Background	E011	11/10/2025	Cadmium, total	0.0002 U	mg/L
G01D	Background	E011	11/10/2025	Calcium, total	44.8	mg/L
G01D	Background	E011	11/10/2025	Chloride, total	13.0	mg/L
G01D	Background	E011	11/10/2025	Chromium, total	0.00510	mg/L
G01D	Background	E011	11/10/2025	Cobalt, total	0.00280 J+	mg/L
G01D	Background	E011	11/10/2025	Dissolved Oxygen	2.62	mg/L
G01D	Background	E011	11/10/2025	Fluoride, total	0.13 J	mg/L
G01D	Background	E011	11/10/2025	Lead, total	0.00140	mg/L
G01D	Background	E011	11/10/2025	Lithium, total	0.0023 J	mg/L
G01D	Background	E011	11/10/2025	Mercury, total	0.00006 U	mg/L
G01D	Background	E011	11/10/2025	Molybdenum, total	0.0015 UJ	mg/L
G01D	Background	E011	11/10/2025	Oxidation Reduction Potential	87.0	mV
G01D	Background	E011	11/10/2025	pH (field)	6.4	SU
G01D	Background	E011	11/10/2025	Radium 226 + Radium 228, total	1.24	pCi/L
G01D	Background	E011	11/10/2025	Selenium, total	0.00140	mg/L
G01D	Background	E011	11/10/2025	Specific Conductance @ 25C (field)	541	micromhos/cm
G01D	Background	E011	11/10/2025	Sulfate, total	48.6	mg/L
G01D	Background	E011	11/10/2025	Temperature	14.7	degrees C
G01D	Background	E011	11/10/2025	Thallium, total	0.001 U	mg/L
G01D	Background	E011	11/10/2025	Total Dissolved Solids	380	mg/L
G01D	Background	E011	11/10/2025	Turbidity, field	540	NTU
G02D	Background	E011	11/10/2025	Antimony, total	0.0004 U	mg/L
G02D	Background	E011	11/10/2025	Arsenic, total	0.0004 U	mg/L
G02D	Background	E011	11/10/2025	Barium, total	0.0007 U	mg/L
G02D	Background	E011	11/10/2025	Beryllium, total	0.0002 U	mg/L
G02D	Background	E011	11/10/2025	Boron, total	0.0092 U	mg/L
G02D	Background	E011	11/10/2025	Cadmium, total	0.0002 U	mg/L
G02D	Background	E011	11/10/2025	Calcium, total	33.8	mg/L
G02D	Background	E011	11/10/2025	Chloride, total	17.2	mg/L
G02D	Background	E011	11/10/2025	Chromium, total	0.0007 U	mg/L
G02D	Background	E011	11/10/2025	Cobalt, total	0.00300	mg/L
G02D	Background	E011	11/10/2025	Dissolved Oxygen	0.490	mg/L
G02D	Background	E011	11/10/2025	Fluoride, total	0.1 J	mg/L
G02D	Background	E011	11/10/2025	Lead, total	0.0006 U	mg/L
G02D	Background	E011	11/10/2025	Lithium, total	0.0015 U	mg/L
G02D	Background	E011	11/10/2025	Mercury, total	0.00006 U	mg/L
G02D	Background	E011	11/10/2025	Molybdenum, total	0.0006 U	mg/L
G02D	Background	E011	11/10/2025	Oxidation Reduction Potential	-176	mV
G02D	Background	E011	11/10/2025	pH (field)	6.3	SU
G02D	Background	E011	11/10/2025	Radium 226 + Radium 228, total	2.2	pCi/L
G02D	Background	E011	11/10/2025	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G02D	Background	E011	11/10/2025	Specific Conductance @ 25C (field)	404	micromhos/cm
G02D	Background	E011	11/10/2025	Sulfate, total	13.7	mg/L
G02D	Background	E011	11/10/2025	Temperature	14.4	degrees C
G02D	Background	E011	11/10/2025	Thallium, total	0.001 U	mg/L
G02D	Background	E011	11/10/2025	Total Dissolved Solids	242	mg/L
G02D	Background	E011	11/10/2025	Turbidity, field	40.0	NTU
G03	Compliance	E011	11/10/2025	Antimony, total	0.0004 U	mg/L
G03	Compliance	E011	11/10/2025	Arsenic, total	0.00110	mg/L
G03	Compliance	E011	11/10/2025	Barium, total	0.0678	mg/L
G03	Compliance	E011	11/10/2025	Beryllium, total	0.0005 J	mg/L
G03	Compliance	E011	11/10/2025	Boron, total	0.184 J+	mg/L
G03	Compliance	E011	11/10/2025	Cadmium, total	0.0002 U	mg/L
G03	Compliance	E011	11/10/2025	Calcium, total	51.2	mg/L
G03	Compliance	E011	11/10/2025	Chloride, total	25.2	mg/L
G03	Compliance	E011	11/10/2025	Chromium, total	0.00490	mg/L
G03	Compliance	E011	11/10/2025	Cobalt, total	0.00420	mg/L
G03	Compliance	E011	11/10/2025	Dissolved Oxygen	2.98	mg/L
G03	Compliance	E011	11/10/2025	Fluoride, total	0.16 J	mg/L
G03	Compliance	E011	11/10/2025	Lead, total	0.00130	mg/L
G03	Compliance	E011	11/10/2025	Lithium, total	0.0024 J	mg/L
G03	Compliance	E011	11/10/2025	Mercury, total	0.00006 U	mg/L
G03	Compliance	E011	11/10/2025	Molybdenum, total	0.0006 U	mg/L
G03	Compliance	E011	11/10/2025	Oxidation Reduction Potential	10.0	mV
G03	Compliance	E011	11/10/2025	pH (field)	6.4	SU
G03	Compliance	E011	11/10/2025	Radium 226 + Radium 228, total	1.05	pCi/L
G03	Compliance	E011	11/10/2025	Selenium, total	0.0006 U	mg/L
G03	Compliance	E011	11/10/2025	Specific Conductance @ 25C (field)	553	micromhos/cm
G03	Compliance	E011	11/10/2025	Sulfate, total	77.4	mg/L
G03	Compliance	E011	11/10/2025	Temperature	13.6	degrees C
G03	Compliance	E011	11/10/2025	Thallium, total	0.001 U	mg/L
G03	Compliance	E011	11/10/2025	Total Dissolved Solids	380	mg/L
G03	Compliance	E011	11/10/2025	Turbidity, field	69.0	NTU
G05	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G05	Compliance	E011	11/11/2025	Arsenic, total	0.0009 J	mg/L
G05	Compliance	E011	11/11/2025	Barium, total	0.202	mg/L
G05	Compliance	E011	11/11/2025	Beryllium, total	0.0003 J	mg/L
G05	Compliance	E011	11/11/2025	Boron, total	0.0414 J+	mg/L
G05	Compliance	E011	11/11/2025	Cadmium, total	0.0002 U	mg/L
G05	Compliance	E011	11/11/2025	Calcium, total	53.8	mg/L
G05	Compliance	E011	11/11/2025	Chloride, total	17.6	mg/L
G05	Compliance	E011	11/11/2025	Chromium, total	0.0013 J	mg/L
G05	Compliance	E011	11/11/2025	Cobalt, total	0.00350	mg/L
G05	Compliance	E011	11/11/2025	Dissolved Oxygen	1.64	mg/L
G05	Compliance	E011	11/11/2025	Fluoride, total	0.32 J	mg/L
G05	Compliance	E011	11/11/2025	Lead, total	0.0006 U	mg/L
G05	Compliance	E011	11/11/2025	Lithium, total	0.0025 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G05	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G05	Compliance	E011	11/11/2025	Molybdenum, total	0.00370 J+	mg/L
G05	Compliance	E011	11/11/2025	Oxidation Reduction Potential	99.0	mV
G05	Compliance	E011	11/11/2025	pH (field)	5.5	SU
G05	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	1.4	pCi/L
G05	Compliance	E011	11/11/2025	Selenium, total	0.0009 J	mg/L
G05	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	666	micromhos/cm
G05	Compliance	E011	11/11/2025	Sulfate, total	77.0	mg/L
G05	Compliance	E011	11/11/2025	Temperature	14.6	degrees C
G05	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G05	Compliance	E011	11/11/2025	Total Dissolved Solids	380	mg/L
G05	Compliance	E011	11/11/2025	Turbidity, field	9.80	NTU
G06	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G06	Compliance	E011	11/11/2025	Arsenic, total	0.00140	mg/L
G06	Compliance	E011	11/11/2025	Barium, total	0.0408	mg/L
G06	Compliance	E011	11/11/2025	Beryllium, total	0.0004 J	mg/L
G06	Compliance	E011	11/11/2025	Boron, total	2.95	mg/L
G06	Compliance	E011	11/11/2025	Cadmium, total	0.0002 U	mg/L
G06	Compliance	E011	11/11/2025	Calcium, total	88.8	mg/L
G06	Compliance	E011	11/11/2025	Chloride, total	17.2	mg/L
G06	Compliance	E011	11/11/2025	Chromium, total	0.00670	mg/L
G06	Compliance	E011	11/11/2025	Cobalt, total	0.00190 J+	mg/L
G06	Compliance	E011	11/11/2025	Dissolved Oxygen	1.80	mg/L
G06	Compliance	E011	11/11/2025	Fluoride, total	0.21 J	mg/L
G06	Compliance	E011	11/11/2025	Lead, total	0.00170	mg/L
G06	Compliance	E011	11/11/2025	Lithium, total	0.00490	mg/L
G06	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G06	Compliance	E011	11/11/2025	Molybdenum, total	0.0015 UJ	mg/L
G06	Compliance	E011	11/11/2025	Oxidation Reduction Potential	109	mV
G06	Compliance	E011	11/11/2025	pH (field)	5.6	SU
G06	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	2.42	pCi/L
G06	Compliance	E011	11/11/2025	Selenium, total	0.0006 U	mg/L
G06	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	842	micromhos/cm
G06	Compliance	E011	11/11/2025	Sulfate, total	192	mg/L
G06	Compliance	E011	11/11/2025	Temperature	13.6	degrees C
G06	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G06	Compliance	E011	11/11/2025	Total Dissolved Solids	566	mg/L
G06	Compliance	E011	11/11/2025	Turbidity, field	52.0	NTU
G07	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G07	Compliance	E011	11/11/2025	Arsenic, total	0.0005 J	mg/L
G07	Compliance	E011	11/11/2025	Barium, total	0.0467	mg/L
G07	Compliance	E011	11/11/2025	Beryllium, total	0.0003 J	mg/L
G07	Compliance	E011	11/11/2025	Boron, total	3.51	mg/L
G07	Compliance	E011	11/11/2025	Cadmium, total	0.0002 U	mg/L
G07	Compliance	E011	11/11/2025	Calcium, total	92.6	mg/L
G07	Compliance	E011	11/11/2025	Chloride, total	16.5	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G07	Compliance	E011	11/11/2025	Chromium, total	0.00350	mg/L
G07	Compliance	E011	11/11/2025	Cobalt, total	0.00110 J+	mg/L
G07	Compliance	E011	11/11/2025	Dissolved Oxygen	1.36	mg/L
G07	Compliance	E011	11/11/2025	Fluoride, total	0.36 J	mg/L
G07	Compliance	E011	11/11/2025	Lead, total	0.0008 J	mg/L
G07	Compliance	E011	11/11/2025	Lithium, total	0.0027 J	mg/L
G07	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G07	Compliance	E011	11/11/2025	Molybdenum, total	0.0015 UJ	mg/L
G07	Compliance	E011	11/11/2025	Oxidation Reduction Potential	120	mV
G07	Compliance	E011	11/11/2025	pH (field)	4.3	SU
G07	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	1.58	pCi/L
G07	Compliance	E011	11/11/2025	Selenium, total	0.0006 U	mg/L
G07	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	908	micromhos/cm
G07	Compliance	E011	11/11/2025	Sulfate, total	251	mg/L
G07	Compliance	E011	11/11/2025	Temperature	14.1	degrees C
G07	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G07	Compliance	E011	11/11/2025	Total Dissolved Solids	618	mg/L
G07	Compliance	E011	11/11/2025	Turbidity, field	19.0	NTU
G08	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G08	Compliance	E011	11/11/2025	Arsenic, total	0.00580	mg/L
G08	Compliance	E011	11/11/2025	Barium, total	0.0434	mg/L
G08	Compliance	E011	11/11/2025	Beryllium, total	0.0002 U	mg/L
G08	Compliance	E011	11/11/2025	Boron, total	5.06	mg/L
G08	Compliance	E011	11/11/2025	Cadmium, total	0.0002 U	mg/L
G08	Compliance	E011	11/11/2025	Calcium, total	132	mg/L
G08	Compliance	E011	11/11/2025	Chloride, total	13.8	mg/L
G08	Compliance	E011	11/11/2025	Chromium, total	0.00230	mg/L
G08	Compliance	E011	11/11/2025	Cobalt, total	0.00360	mg/L
G08	Compliance	E011	11/11/2025	Dissolved Oxygen	2.86	mg/L
G08	Compliance	E011	11/11/2025	Fluoride, total	0.22 J	mg/L
G08	Compliance	E011	11/11/2025	Lead, total	0.0006 U	mg/L
G08	Compliance	E011	11/11/2025	Lithium, total	0.00310	mg/L
G08	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G08	Compliance	E011	11/11/2025	Molybdenum, total	0.00220 J+	mg/L
G08	Compliance	E011	11/11/2025	Oxidation Reduction Potential	117	mV
G08	Compliance	E011	11/11/2025	pH (field)	6.8	SU
G08	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	1.26	pCi/L
G08	Compliance	E011	11/11/2025	Selenium, total	0.0006 U	mg/L
G08	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	900	micromhos/cm
G08	Compliance	E011	11/11/2025	Sulfate, total	362	mg/L
G08	Compliance	E011	11/11/2025	Temperature	15.0	degrees C
G08	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G08	Compliance	E011	11/11/2025	Total Dissolved Solids	726	mg/L
G08	Compliance	E011	11/11/2025	Turbidity, field	17.0	NTU
G09	Compliance	E011	11/11/2025	Antimony, total	0.0005 J	mg/L
G09	Compliance	E011	11/11/2025	Arsenic, total	0.00530	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G09	Compliance	E011	11/11/2025	Barium, total	0.0844	mg/L
G09	Compliance	E011	11/11/2025	Beryllium, total	0.00150	mg/L
G09	Compliance	E011	11/11/2025	Boron, total	3.07	mg/L
G09	Compliance	E011	11/11/2025	Cadmium, total	0.0003 J	mg/L
G09	Compliance	E011	11/11/2025	Calcium, total	60.6	mg/L
G09	Compliance	E011	11/11/2025	Chloride, total	13.5	mg/L
G09	Compliance	E011	11/11/2025	Chromium, total	0.0193	mg/L
G09	Compliance	E011	11/11/2025	Cobalt, total	0.00610	mg/L
G09	Compliance	E011	11/11/2025	Dissolved Oxygen	1.46	mg/L
G09	Compliance	E011	11/11/2025	Fluoride, total	0.28 J	mg/L
G09	Compliance	E011	11/11/2025	Lead, total	0.00450	mg/L
G09	Compliance	E011	11/11/2025	Lithium, total	0.00540	mg/L
G09	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G09	Compliance	E011	11/11/2025	Molybdenum, total	0.0015 UJ	mg/L
G09	Compliance	E011	11/11/2025	Oxidation Reduction Potential	16.0	mV
G09	Compliance	E011	11/11/2025	pH (field)	6.2	SU
G09	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	0.889	pCi/L
G09	Compliance	E011	11/11/2025	Selenium, total	0.0006 U	mg/L
G09	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	665	micromhos/cm
G09	Compliance	E011	11/11/2025	Sulfate, total	218	mg/L
G09	Compliance	E011	11/11/2025	Temperature	14.1	degrees C
G09	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G09	Compliance	E011	11/11/2025	Total Dissolved Solids	512	mg/L
G09	Compliance	E011	11/11/2025	Turbidity, field	240	NTU
G10	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G10	Compliance	E011	11/11/2025	Arsenic, total	0.0540	mg/L
G10	Compliance	E011	11/11/2025	Barium, total	0.0679	mg/L
G10	Compliance	E011	11/11/2025	Beryllium, total	0.00220	mg/L
G10	Compliance	E011	11/11/2025	Boron, total	2.06	mg/L
G10	Compliance	E011	11/11/2025	Cadmium, total	0.0002 J	mg/L
G10	Compliance	E011	11/11/2025	Calcium, total	118	mg/L
G10	Compliance	E011	11/11/2025	Chloride, total	15.8	mg/L
G10	Compliance	E011	11/11/2025	Chromium, total	0.00320	mg/L
G10	Compliance	E011	11/11/2025	Cobalt, total	0.00890	mg/L
G10	Compliance	E011	11/11/2025	Dissolved Oxygen	4.65	mg/L
G10	Compliance	E011	11/11/2025	Fluoride, total	0.740	mg/L
G10	Compliance	E011	11/11/2025	Lead, total	0.0006 U	mg/L
G10	Compliance	E011	11/11/2025	Lithium, total	0.0250	mg/L
G10	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G10	Compliance	E011	11/11/2025	Molybdenum, total	0.00210 J+	mg/L
G10	Compliance	E011	11/11/2025	Oxidation Reduction Potential	158	mV
G10	Compliance	E011	11/11/2025	pH (field)	6.1	SU
G10	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	2.53	pCi/L
G10	Compliance	E011	11/11/2025	Selenium, total	0.0009 J	mg/L
G10	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	974	micromhos/cm
G10	Compliance	E011	11/11/2025	Sulfate, total	332	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
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EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G10	Compliance	E011	11/11/2025	Temperature	15.0	degrees C
G10	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G10	Compliance	E011	11/11/2025	Total Dissolved Solids	762	mg/L
G10	Compliance	E011	11/11/2025	Turbidity, field	330	NTU
G11	Compliance	E011	11/10/2025	Antimony, total	0.0004 U	mg/L
G11	Compliance	E011	11/10/2025	Arsenic, total	0.0008 J	mg/L
G11	Compliance	E011	11/10/2025	Barium, total	0.0492	mg/L
G11	Compliance	E011	11/10/2025	Beryllium, total	0.0004 J	mg/L
G11	Compliance	E011	11/10/2025	Boron, total	0.286 J+	mg/L
G11	Compliance	E011	11/10/2025	Cadmium, total	0.0002 U	mg/L
G11	Compliance	E011	11/10/2025	Calcium, total	78.5	mg/L
G11	Compliance	E011	11/10/2025	Chloride, total	28.3	mg/L
G11	Compliance	E011	11/10/2025	Chromium, total	0.00430	mg/L
G11	Compliance	E011	11/10/2025	Cobalt, total	0.00640	mg/L
G11	Compliance	E011	11/10/2025	Dissolved Oxygen	1.77	mg/L
G11	Compliance	E011	11/10/2025	Fluoride, total	0.15 J	mg/L
G11	Compliance	E011	11/10/2025	Lead, total	0.00100	mg/L
G11	Compliance	E011	11/10/2025	Lithium, total	0.00470	mg/L
G11	Compliance	E011	11/10/2025	Mercury, total	0.00006 U	mg/L
G11	Compliance	E011	11/10/2025	Molybdenum, total	0.0015 UJ	mg/L
G11	Compliance	E011	11/10/2025	Oxidation Reduction Potential	93.0	mV
G11	Compliance	E011	11/10/2025	pH (field)	6.1	SU
G11	Compliance	E011	11/10/2025	Radium 226 + Radium 228, total	0.763	pCi/L
G11	Compliance	E011	11/10/2025	Selenium, total	0.00140	mg/L
G11	Compliance	E011	11/10/2025	Specific Conductance @ 25C (field)	747	micromhos/cm
G11	Compliance	E011	11/10/2025	Sulfate, total	218	mg/L
G11	Compliance	E011	11/10/2025	Temperature	15.1	degrees C
G11	Compliance	E011	11/10/2025	Thallium, total	0.001 U	mg/L
G11	Compliance	E011	11/10/2025	Total Dissolved Solids	522	mg/L
G11	Compliance	E011	11/10/2025	Turbidity, field	170	NTU
G51D	Compliance	E011	11/10/2025	Antimony, total	0.0004 U	mg/L
G51D	Compliance	E011	11/10/2025	Arsenic, total	0.0004 U	mg/L
G51D	Compliance	E011	11/10/2025	Barium, total	0.0338	mg/L
G51D	Compliance	E011	11/10/2025	Beryllium, total	0.0002 U	mg/L
G51D	Compliance	E011	11/10/2025	Boron, total	0.699	mg/L
G51D	Compliance	E011	11/10/2025	Cadmium, total	0.0002 U	mg/L
G51D	Compliance	E011	11/10/2025	Calcium, total	26.9	mg/L
G51D	Compliance	E011	11/10/2025	Chloride, total	4.3 J	mg/L
G51D	Compliance	E011	11/10/2025	Chromium, total	0.0007 U	mg/L
G51D	Compliance	E011	11/10/2025	Cobalt, total	0.001 UJ	mg/L
G51D	Compliance	E011	11/10/2025	Dissolved Oxygen	2.62	mg/L
G51D	Compliance	E011	11/10/2025	Fluoride, total	0.04 U	mg/L
G51D	Compliance	E011	11/10/2025	Lead, total	0.0006 U	mg/L
G51D	Compliance	E011	11/10/2025	Lithium, total	0.00550	mg/L
G51D	Compliance	E011	11/10/2025	Mercury, total	0.00006 U	mg/L
G51D	Compliance	E011	11/10/2025	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G51D	Compliance	E011	11/10/2025	Oxidation Reduction Potential	92.0	mV
G51D	Compliance	E011	11/10/2025	pH (field)	5.6	SU
G51D	Compliance	E011	11/10/2025	Radium 226 + Radium 228, total	0.707	pCi/L
G51D	Compliance	E011	11/10/2025	Selenium, total	0.00460	mg/L
G51D	Compliance	E011	11/10/2025	Specific Conductance @ 25C (field)	384	micromhos/cm
G51D	Compliance	E011	11/10/2025	Sulfate, total	100	mg/L
G51D	Compliance	E011	11/10/2025	Temperature	16.1	degrees C
G51D	Compliance	E011	11/10/2025	Thallium, total	0.001 U	mg/L
G51D	Compliance	E011	11/10/2025	Total Dissolved Solids	304	mg/L
G51D	Compliance	E011	11/10/2025	Turbidity, field	5.20	NTU
G52D	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G52D	Compliance	E011	11/11/2025	Arsenic, total	0.00120	mg/L
G52D	Compliance	E011	11/11/2025	Barium, total	0.316	mg/L
G52D	Compliance	E011	11/11/2025	Beryllium, total	0.0002 U	mg/L
G52D	Compliance	E011	11/11/2025	Boron, total	0.025 UJ	mg/L
G52D	Compliance	E011	11/11/2025	Cadmium, total	0.0002 U	mg/L
G52D	Compliance	E011	11/11/2025	Calcium, total	48.9	mg/L
G52D	Compliance	E011	11/11/2025	Chloride, total	12.9	mg/L
G52D	Compliance	E011	11/11/2025	Chromium, total	0.0007 U	mg/L
G52D	Compliance	E011	11/11/2025	Cobalt, total	0.00380	mg/L
G52D	Compliance	E011	11/11/2025	Dissolved Oxygen	1.06	mg/L
G52D	Compliance	E011	11/11/2025	Fluoride, total	0.22 J	mg/L
G52D	Compliance	E011	11/11/2025	Lead, total	0.0006 U	mg/L
G52D	Compliance	E011	11/11/2025	Lithium, total	0.0025 J	mg/L
G52D	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G52D	Compliance	E011	11/11/2025	Molybdenum, total	0.0015 UJ	mg/L
G52D	Compliance	E011	11/11/2025	Oxidation Reduction Potential	44.0	mV
G52D	Compliance	E011	11/11/2025	pH (field)	4.4	SU
G52D	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	1.53	pCi/L
G52D	Compliance	E011	11/11/2025	Selenium, total	0.0006 U	mg/L
G52D	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	536	micromhos/cm
G52D	Compliance	E011	11/11/2025	Sulfate, total	28.9	mg/L
G52D	Compliance	E011	11/11/2025	Temperature	14.5	degrees C
G52D	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G52D	Compliance	E011	11/11/2025	Total Dissolved Solids	326	mg/L
G52D	Compliance	E011	11/11/2025	Turbidity, field	3.90	NTU
G53D	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G53D	Compliance	E011	11/11/2025	Arsenic, total	0.0004 U	mg/L
G53D	Compliance	E011	11/11/2025	Barium, total	0.0974	mg/L
G53D	Compliance	E011	11/11/2025	Beryllium, total	0.0002 U	mg/L
G53D	Compliance	E011	11/11/2025	Boron, total	0.378	mg/L
G53D	Compliance	E011	11/11/2025	Cadmium, total	0.0002 U	mg/L
G53D	Compliance	E011	11/11/2025	Calcium, total	40.9	mg/L
G53D	Compliance	E011	11/11/2025	Chloride, total	14.4	mg/L
G53D	Compliance	E011	11/11/2025	Chromium, total	0.0007 U	mg/L
G53D	Compliance	E011	11/11/2025	Cobalt, total	0.001 UJ	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
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EAST ASH POND
JOPPA, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G53D	Compliance	E011	11/11/2025	Dissolved Oxygen	2.43	mg/L
G53D	Compliance	E011	11/11/2025	Fluoride, total	0.610	mg/L
G53D	Compliance	E011	11/11/2025	Lead, total	0.0006 U	mg/L
G53D	Compliance	E011	11/11/2025	Lithium, total	0.0016 J	mg/L
G53D	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G53D	Compliance	E011	11/11/2025	Molybdenum, total	0.0006 U	mg/L
G53D	Compliance	E011	11/11/2025	Oxidation Reduction Potential	128	mV
G53D	Compliance	E011	11/11/2025	pH (field)	6.4	SU
G53D	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	1.32	pCi/L
G53D	Compliance	E011	11/11/2025	Selenium, total	0.0006 U	mg/L
G53D	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	453	micromhos/cm
G53D	Compliance	E011	11/11/2025	Sulfate, total	60.8	mg/L
G53D	Compliance	E011	11/11/2025	Temperature	14.0	degrees C
G53D	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G53D	Compliance	E011	11/11/2025	Total Dissolved Solids	338	mg/L
G53D	Compliance	E011	11/11/2025	Turbidity, field	1.50	NTU
G54D	Compliance	E011	11/11/2025	Antimony, total	0.0004 U	mg/L
G54D	Compliance	E011	11/11/2025	Arsenic, total	0.0005 J	mg/L
G54D	Compliance	E011	11/11/2025	Barium, total	0.0785	mg/L
G54D	Compliance	E011	11/11/2025	Beryllium, total	0.0002 U	mg/L
G54D	Compliance	E011	11/11/2025	Boron, total	0.479	mg/L
G54D	Compliance	E011	11/11/2025	Cadmium, total	0.0002 U	mg/L
G54D	Compliance	E011	11/11/2025	Calcium, total	94.5	mg/L
G54D	Compliance	E011	11/11/2025	Chloride, total	20.2	mg/L
G54D	Compliance	E011	11/11/2025	Chromium, total	0.00360	mg/L
G54D	Compliance	E011	11/11/2025	Cobalt, total	0.00560 J	mg/L
G54D	Compliance	E011	11/11/2025	Dissolved Oxygen	7.83	mg/L
G54D	Compliance	E011	11/11/2025	Fluoride, total	0.23 J	mg/L
G54D	Compliance	E011	11/11/2025	Lead, total	0.0006 U	mg/L
G54D	Compliance	E011	11/11/2025	Lithium, total	0.0027 J	mg/L
G54D	Compliance	E011	11/11/2025	Mercury, total	0.00006 U	mg/L
G54D	Compliance	E011	11/11/2025	Molybdenum, total	0.00240 J+	mg/L
G54D	Compliance	E011	11/11/2025	Oxidation Reduction Potential	145	mV
G54D	Compliance	E011	11/11/2025	pH (field)	6.5	SU
G54D	Compliance	E011	11/11/2025	Radium 226 + Radium 228, total	1.36	pCi/L
G54D	Compliance	E011	11/11/2025	Selenium, total	0.0006 U	mg/L
G54D	Compliance	E011	11/11/2025	Specific Conductance @ 25C (field)	783	micromhos/cm
G54D	Compliance	E011	11/11/2025	Sulfate, total	196	mg/L
G54D	Compliance	E011	11/11/2025	Temperature	9.00	degrees C
G54D	Compliance	E011	11/11/2025	Thallium, total	0.001 U	mg/L
G54D	Compliance	E011	11/11/2025	Total Dissolved Solids	558	mg/L
G54D	Compliance	E011	11/11/2025	Turbidity, field	1 U	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

C = Celsius
cm = centimeter
Events:
 E011 = Quarter 4, 2025 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
 NR¹ = Parameter not analyzed.
 NR² = Data has been rejected following data quality review.
 NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
 NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
 NS³ = The location was not accessible; therefore, a sample was not collected.
 NS⁴ = The location could not be found; therefore, a sample was not collected.
 NS⁵ = The location was damaged; therefore, a sample was not collected.
 NS⁶ = Sampling pump could not yield a sample.
 NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
 NS⁸ = A sample was not collected.
 PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency’s *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

 J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 J+ = The result is an estimated quantity, but the result may be biased high.
 U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
 UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G03	UA	E008	Antimony, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G03	UA	E008	Arsenic, total	mg/L	03/05/21 - 01/28/25	18	39	CI around geomean	0.00119	0.010	Standard	No Exceedance
G03	UA	E008	Barium, total	mg/L	03/05/21 - 01/28/25	18	0	CI around mean	0.0593	2.0	Standard	No Exceedance
G03	UA	E008	Beryllium, total	mg/L	03/05/21 - 01/28/25	18	94	CI around median	0.001	0.004	Standard	No Exceedance
G03	UA	E008	Boron, total	mg/L	03/05/21 - 01/28/25	18	0	CI around geomean	0.241	2	Standard	No Exceedance
G03	UA	E008	Cadmium, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G03	UA	E008	Chloride, total	mg/L	03/05/21 - 01/28/25	18	0	CI around mean	21.2	200	Standard	No Exceedance
G03	UA	E008	Chromium, total	mg/L	03/05/21 - 01/28/25	18	6	CI around mean	0.00466	0.1	Standard	No Exceedance
G03	UA	E008	Cobalt, total	mg/L	03/05/21 - 01/28/25	18	22	CI around geomean	0.00171	0.006	Standard	No Exceedance
G03	UA	E008	Fluoride, total	mg/L	03/05/21 - 01/28/25	18	11	CI around mean	0.196	4.0	Standard	No Exceedance
G03	UA	E008	Lead, total	mg/L	03/05/21 - 01/28/25	18	33	CI around geomean	0.0013	0.0075	Standard	No Exceedance
G03	UA	E008	Lithium, total	mg/L	03/05/21 - 01/28/25	18	67	CI around median	0.003	0.04	Standard	No Exceedance
G03	UA	E008	Mercury, total	mg/L	03/05/21 - 01/28/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G03	UA	E008	Molybdenum, total	mg/L	03/05/21 - 01/28/25	18	89	CI around median	0.0015	0.1	Standard	No Exceedance
G03	UA	E008	pH (field)	SU	03/05/21 - 01/28/25	18	0	CI around mean	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G03	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 01/28/25	18	0	CI around mean	0.553	5	Standard	No Exceedance
G03	UA	E008	Selenium, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G03	UA	E008	Sulfate, total	mg/L	03/05/21 - 01/28/25	18	0	CI around geomean	71.2	400	Standard	No Exceedance
G03	UA	E008	Thallium, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G03	UA	E008	Total Dissolved Solids	mg/L	03/05/21 - 01/28/25	18	0	CI around mean	290	1,200	Standard	No Exceedance
G05	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G05	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	78	CI around median	0.001	0.010	Standard	No Exceedance
G05	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	0.187	2.0	Standard	No Exceedance
G05	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G05	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.0205	2	Standard	No Exceedance
G05	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G05	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	18.9	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G05	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	61	CI around median	0.0015	0.1	Standard	No Exceedance
G05	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.0012	0.006	Standard	No Exceedance
G05	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	11	CI around mean	0.311	4.0	Standard	No Exceedance
G05	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.0075	Standard	No Exceedance
G05	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	67	CI around median	0.003	0.04	Standard	No Exceedance
G05	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G05	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	6	CI around mean	0.00405	0.1	Standard	No Exceedance
G05	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around mean	6.4/6.5	6.0/9.0	Background/Standard	No Exceedance
G05	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CI around geomean	0.542	5	Standard	No Exceedance
G05	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	33	CB around linear reg	0.000378	0.05	Standard	No Exceedance
G05	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	85.3	400	Standard	No Exceedance
G05	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.002	0.002	Standard	No Exceedance
G05	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	355	1,200	Standard	No Exceedance
G06	UA	E008	Antimony, total	mg/L	03/04/21 - 01/29/25	18	89	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.001	0.010	Standard	No Exceedance
G06	UA	E008	Barium, total	mg/L	03/04/21 - 01/29/25	18	0	CI around median	0.028	2.0	Standard	No Exceedance
G06	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.004	Standard	No Exceedance
G06	UA	E008	Boron, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	3.06	2	Standard	Exceedance
G06	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G06	UA	E008	Chloride, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	17	200	Standard	No Exceedance
G06	UA	E008	Chromium, total	mg/L	03/04/21 - 01/29/25	18	22	CI around geomean	0.00206	0.1	Standard	No Exceedance
G06	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/29/25	18	11	CI around mean	0.253	4.0	Standard	No Exceedance
G06	UA	E008	Lead, total	mg/L	03/04/21 - 01/29/25	18	61	CI around median	0.001	0.0075	Standard	No Exceedance
G06	UA	E008	Lithium, total	mg/L	03/04/21 - 01/29/25	18	17	CI around median	0.0037	0.04	Standard	No Exceedance
G06	UA	E008	Mercury, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G06	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G06	UA	E008	pH (field)	SU	03/04/21 - 01/29/25	17	0	CI around mean	6.5/6.6	6.0/9.0	Background/Standard	No Exceedance
G06	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/29/25	18	0	CB around T-S line	1.09	5	Standard	No Exceedance
G06	UA	E008	Selenium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G06	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	165	400	Standard	No Exceedance
G06	UA	E008	Thallium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G06	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	490	1,200	Standard	No Exceedance
G07	UA	E008	Antimony, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.006	Standard	No Exceedance
G07	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/29/25	18	61	CI around median	0.001	0.010	Standard	No Exceedance
G07	UA	E008	Barium, total	mg/L	03/04/21 - 01/29/25	18	0	CI around geomean	0.0506	2.0	Standard	No Exceedance
G07	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/29/25	18	83	CI around median	0.001	0.004	Standard	No Exceedance
G07	UA	E008	Boron, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	4.32	2	Standard	Exceedance
G07	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G07	UA	E008	Chloride, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	19.4	200	Standard	No Exceedance
G07	UA	E008	Chromium, total	mg/L	03/04/21 - 01/29/25	18	28	CI around geomean	0.00298	0.1	Standard	No Exceedance
G07	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/29/25	18	6	CI around mean	0.00173	0.006	Standard	No Exceedance
G07	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/29/25	18	11	CI around median	0.38	4.0	Standard	No Exceedance
G07	UA	E008	Lead, total	mg/L	03/04/21 - 01/29/25	18	56	CI around median	0.001	0.0075	Standard	No Exceedance
G07	UA	E008	Lithium, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.003	0.04	Standard	No Exceedance
G07	UA	E008	Mercury, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G07	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/29/25	18	83	CI around median	0.0015	0.1	Standard	No Exceedance
G07	UA	E008	pH (field)	SU	03/04/21 - 01/29/25	18	0	CI around median	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G07	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/29/25	18	0	CB around linear reg	0.9	5	Standard	No Exceedance
G07	UA	E008	Selenium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G07	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	256	400	Standard	No Exceedance
G07	UA	E008	Thallium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G07	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	584	1,200	Standard	No Exceedance
G08	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G08	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	6	CI around mean	0.0064	0.010	Standard	No Exceedance
G08	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	0.0529	2.0	Standard	No Exceedance
G08	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.004	Standard	No Exceedance
G08	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	4.42	2	Standard	Exceedance
G08	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.005	Standard	No Exceedance
G08	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	13.4	200	Standard	No Exceedance
G08	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	11	CI around geomean	0.00201	0.1	Standard	No Exceedance
G08	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	6	CI around geomean	0.00367	0.006	Standard	No Exceedance
G08	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	11	CB around linear reg	0.213	4.0	Standard	No Exceedance
G08	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	72	CI around median	0.001	0.0075	Standard	No Exceedance
G08	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	72	CI around median	0.003	0.04	Standard	No Exceedance
G08	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G08	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	17	CI around median	0.0017	0.1	Standard	No Exceedance
G08	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around median	6.9/7.0	6.0/9.0	Background/Standard	No Exceedance
G08	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CB around T-S line	1.01	5	Standard	No Exceedance
G08	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G08	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	311	400	Standard	No Exceedance
G08	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G08	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	638	1,200	Standard	No Exceedance
G09	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	89	CI around median	0.001	0.006	Standard	No Exceedance
G09	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	11	CI around geomean	0.00226	0.010	Standard	No Exceedance
G09	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	0.0388	2.0	Standard	No Exceedance
G09	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	67	CI around median	0.001	0.004	Standard	No Exceedance
G09	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CI around median	3.26	2	Standard	Exceedance
G09	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G09	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	11.1	200	Standard	No Exceedance
G09	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	17	CI around geomean	0.00199	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G09	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.000875	0.006	Standard	No Exceedance
G09	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	11	CI around mean	0.274	4.0	Standard	No Exceedance
G09	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	61	CI around median	0.001	0.0075	Standard	No Exceedance
G09	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	11	CI around median	0.0035	0.04	Standard	No Exceedance
G09	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G09	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G09	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around median	6.1/6.3	6.0/9.0	Background/Standard	No Exceedance
G09	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CI around geomean	0.319	5	Standard	No Exceedance
G09	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.05	Standard	No Exceedance
G09	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CB around T-S line	170	400	Standard	No Exceedance
G09	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G09	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	421	1,200	Standard	No Exceedance
G10	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G10	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	22	CB around T-S line	0.00257	0.010	Standard	No Exceedance
G10	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CI around geomean	0.0409	2.0	Standard	No Exceedance
G10	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	78	CI around median	0.001	0.004	Standard	No Exceedance
G10	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	1.06	2	Standard	No Exceedance
G10	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G10	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	13.8	200	Standard	No Exceedance
G10	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	28	CI around geomean	0.00193	0.1	Standard	No Exceedance
G10	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.000507	0.006	Standard	No Exceedance
G10	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	6	CI around median	0.28	4.0	Standard	No Exceedance
G10	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	72	CI around median	0.001	0.0075	Standard	No Exceedance
G10	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	28	CB around T-S line	0.0036	0.04	Standard	No Exceedance
G10	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G10	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	50	CI around median	0.0015	0.1	Standard	No Exceedance
G10	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around mean	6.4/6.6	6.0/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G10	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CB around T-S line	1.03	5	Standard	No Exceedance
G10	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G10	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	267	400	Standard	No Exceedance
G10	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G10	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CI around median	752	1,200	Standard	No Exceedance
G11	UA	E008	Antimony, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.010	Standard	No Exceedance
G11	UA	E008	Barium, total	mg/L	03/04/21 - 01/29/25	18	0	CI around geomean	0.016	2.0	Standard	No Exceedance
G11	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.004	Standard	No Exceedance
G11	UA	E008	Boron, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	0.296	2	Standard	No Exceedance
G11	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G11	UA	E008	Chloride, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	17	200	Standard	No Exceedance
G11	UA	E008	Chromium, total	mg/L	03/04/21 - 01/29/25	18	78	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/29/25	18	11	CI around mean	0.177	4.0	Standard	No Exceedance
G11	UA	E008	Lead, total	mg/L	03/04/21 - 01/29/25	18	89	CI around median	0.001	0.0075	Standard	No Exceedance
G11	UA	E008	Lithium, total	mg/L	03/04/21 - 01/29/25	18	11	CI around median	0.0039	0.04	Standard	No Exceedance
G11	UA	E008	Mercury, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G11	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E008	pH (field)	SU	03/04/21 - 01/29/25	18	0	CI around median	5.8/6.0	6.0/9.0	Background/Standard	No Exceedance
G11	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/29/25	18	0	CI around geomean	0.274	5	Standard	No Exceedance
G11	UA	E008	Selenium, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	-0.00248	0.05	Standard	No Exceedance
G11	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	-13.1	400	Standard	No Exceedance
G11	UA	E008	Thallium, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.002	0.002	Standard	No Exceedance
G11	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	186	1,200	Standard	No Exceedance
G51D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G51D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/29/25	28	100	All ND - Last	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G51D	UA	E008	Barium, total	mg/L	12/03/15 - 01/29/25	28	0	CB around T-S line	0.0188	2.0	Standard	No Exceedance
G51D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G51D	UA	E008	Boron, total	mg/L	12/03/15 - 01/29/25	29	0	CB around T-S line	0.644	2	Standard	No Exceedance
G51D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G51D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/29/25	29	7	CB around T-S line	1.77	200	Standard	No Exceedance
G51D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/29/25	28	64	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G51D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/29/25	28	25	CB around T-S line	-0.00844	0.006	Standard	No Exceedance
G51D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/29/25	29	83	CI around median	0.1	4.0	Standard	No Exceedance
G51D	UA	E008	Lead, total	mg/L	12/03/15 - 01/29/25	28	96	CI around median	0.001	0.0075	Standard	No Exceedance
G51D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/29/25	28	4	CB around T-S line	0.00568	0.04	Standard	No Exceedance
G51D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G51D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/29/25	24	96	CB around T-S line	0.00144	0.1	Standard	No Exceedance
G51D	UA	E008	pH (field)	SU	12/03/15 - 01/29/25	29	0	CB around T-S line	5.1/5.4	6.0/9.0	Background/Standard	Exceedance
G51D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/29/25	28	0	CI around mean	0.495	5	Standard	No Exceedance
G51D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/29/25	28	4	CB around T-S line	0.00488	0.05	Standard	No Exceedance
G51D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/29/25	29	0	CB around T-S line	96.9	400	Standard	No Exceedance
G51D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G51D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/29/25	29	0	CI around mean	309	1,200	Standard	No Exceedance
G52D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G52D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/30/25	27	7	CB around linear reg	-0.000484	0.010	Standard	No Exceedance
G52D	UA	E008	Barium, total	mg/L	12/03/15 - 01/30/25	27	0	CB around T-S line	0.12	2.0	Standard	No Exceedance
G52D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G52D	UA	E008	Boron, total	mg/L	12/03/15 - 01/30/25	28	89	CI around median	0.025	2	Standard	No Exceedance
G52D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G52D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/30/25	28	0	CB around linear reg	7.35	200	Standard	No Exceedance
G52D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/30/25	27	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G52D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/30/25	27	0	CI around mean	0.00304	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G52D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/30/25	28	7	CI around median	0.25	4.0	Standard	No Exceedance
G52D	UA	E008	Lead, total	mg/L	12/03/15 - 01/30/25	27	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G52D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/30/25	27	48	CI around median	0.003	0.04	Standard	No Exceedance
G52D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/30/25	22	96	Most recent sample	0.0002	0.002	Standard	No Exceedance
G52D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/30/25	23	83	CI around median	0.0015	0.1	Standard	No Exceedance
G52D	UA	E008	pH (field)	SU	12/03/15 - 01/30/25	28	0	CI around mean	6.3/6.4	6.0/9.0	Background/Standard	No Exceedance
G52D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/30/25	27	0	CI around mean	0.941	5	Standard	No Exceedance
G52D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/30/25	27	96	CI around median	0.001	0.05	Standard	No Exceedance
G52D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/30/25	28	0	CB around T-S line	27.4	400	Standard	No Exceedance
G52D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G52D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/30/25	28	0	CB around linear reg	272	1,200	Standard	No Exceedance
G53D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G53D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/30/25	28	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G53D	UA	E008	Barium, total	mg/L	12/03/15 - 01/30/25	28	0	CB around T-S line	0.0026	2.0	Standard	No Exceedance
G53D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G53D	UA	E008	Boron, total	mg/L	12/03/15 - 01/30/25	29	0	CI around median	0.341	2	Standard	No Exceedance
G53D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G53D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/30/25	29	0	CB around T-S line	14.5	200	Standard	No Exceedance
G53D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/30/25	28	82	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G53D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/30/25	28	14	CI around geomean	0.00122	0.006	Standard	No Exceedance
G53D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/30/25	29	0	CI around mean	0.64	4.0	Standard	No Exceedance
G53D	UA	E008	Lead, total	mg/L	12/03/15 - 01/30/25	28	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G53D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/30/25	28	64	CB around T-S line	0.00296	0.04	Standard	No Exceedance
G53D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/30/25	23	96	CI around median	0.0002	0.002	Standard	No Exceedance
G53D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/30/25	24	92	CB around T-S line	0.00148	0.1	Standard	No Exceedance
G53D	UA	E008	pH (field)	SU	12/03/15 - 01/30/25	29	0	CB around T-S line	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G53D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/30/25	28	0	CI around mean	0.395	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G53D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/30/25	28	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G53D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/30/25	29	0	CB around T-S line	43.2	400	Standard	No Exceedance
G53D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G53D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/30/25	29	0	CB around T-S line	268	1,200	Standard	No Exceedance
G54D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G54D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/29/25	28	57	CB around T-S line	-0.000105	0.010	Standard	No Exceedance
G54D	UA	E008	Barium, total	mg/L	12/03/15 - 01/29/25	28	0	CB around T-S line	0.0558	2.0	Standard	No Exceedance
G54D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G54D	UA	E008	Boron, total	mg/L	12/03/15 - 01/29/25	29	3	CI around mean	0.47	2	Standard	No Exceedance
G54D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G54D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/29/25	29	3	CB around T-S line	15.7	200	Standard	No Exceedance
G54D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/29/25	28	68	CI around median	0.0015	0.1	Standard	No Exceedance
G54D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/29/25	28	4	CB around linear reg	0.00286	0.006	Standard	No Exceedance
G54D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/29/25	29	7	CB around linear reg	0.253	4.0	Standard	No Exceedance
G54D	UA	E008	Lead, total	mg/L	12/03/15 - 01/29/25	28	93	CI around median	0.001	0.0075	Standard	No Exceedance
G54D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/29/25	28	18	CB around linear reg	0.00192	0.04	Standard	No Exceedance
G54D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/29/25	23	96	CI around median	0.0002	0.002	Standard	No Exceedance
G54D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/29/25	24	92	CB around T-S line	0.00144	0.1	Standard	No Exceedance
G54D	UA	E008	pH (field)	SU	12/03/15 - 01/29/25	29	0	CI around mean	6.6/6.8	6.0/9.0	Background/Standard	No Exceedance
G54D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/29/25	28	0	CI around geomean	0.511	5	Standard	No Exceedance
G54D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/29/25	28	96	CI around median	0.001	0.05	Standard	No Exceedance
G54D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/29/25	29	0	CB around T-S line	165	400	Standard	No Exceedance
G54D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G54D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/29/25	29	0	CI around median	486	1,200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic 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 linear reg = Confidence band around linear regression

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

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

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

GWPS Source:

Background = background concentration

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

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G03	UA	E009	Antimony, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G03	UA	E009	Arsenic, total	mg/L	03/05/21 - 04/21/25	19	37	CI around geomean	0.00123	0.010	Standard	No Exceedance
G03	UA	E009	Barium, total	mg/L	03/05/21 - 04/21/25	19	0	CB around linear reg	0.0378	2.0	Standard	No Exceedance
G03	UA	E009	Beryllium, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.001	0.004	Standard	No Exceedance
G03	UA	E009	Boron, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	0.244	2	Standard	No Exceedance
G03	UA	E009	Cadmium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G03	UA	E009	Chloride, total	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	21.5	200	Standard	No Exceedance
G03	UA	E009	Chromium, total	mg/L	03/05/21 - 04/21/25	19	5	CI around mean	0.00516	0.1	Standard	No Exceedance
G03	UA	E009	Cobalt, total	mg/L	03/05/21 - 04/21/25	19	21	CI around geomean	0.00182	0.006	Standard	No Exceedance
G03	UA	E009	Fluoride, total	mg/L	03/05/21 - 04/21/25	19	16	CI around median	0.2	4.0	Standard	No Exceedance
G03	UA	E009	Lead, total	mg/L	03/05/21 - 04/21/25	19	32	CI around geomean	0.00136	0.0075	Standard	No Exceedance
G03	UA	E009	Lithium, total	mg/L	03/05/21 - 04/21/25	19	63	CI around median	0.003	0.04	Standard	No Exceedance
G03	UA	E009	Mercury, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G03	UA	E009	Molybdenum, total	mg/L	03/05/21 - 04/21/25	19	90	CI around median	0.0015	0.1	Standard	No Exceedance
G03	UA	E009	pH (field)	SU	03/05/21 - 04/21/25	19	0	CI around mean	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G03	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 04/21/25	19	0	CI around mean	0.536	5	Standard	No Exceedance
G03	UA	E009	Selenium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G03	UA	E009	Sulfate, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	72.5	400	Standard	No Exceedance
G03	UA	E009	Thallium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G03	UA	E009	Total Dissolved Solids	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	294	1,200	Standard	No Exceedance
G05	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G05	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.010	Standard	No Exceedance
G05	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.193	2.0	Standard	No Exceedance
G05	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G05	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.0206	2	Standard	No Exceedance
G05	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G05	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	18.2	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G05	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.0015	0.1	Standard	No Exceedance
G05	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.000882	0.006	Standard	No Exceedance
G05	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CB around linear reg	0.419	4.0	Standard	No Exceedance
G05	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.0075	Standard	No Exceedance
G05	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	63	CI around median	0.003	0.04	Standard	No Exceedance
G05	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G05	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00411	0.1	Standard	No Exceedance
G05	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.5	6.0/9.0	Background/Standard	No Exceedance
G05	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.562	5	Standard	No Exceedance
G05	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	32	CB around linear reg	0.000381	0.05	Standard	No Exceedance
G05	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	85.6	400	Standard	No Exceedance
G05	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.002	Standard	No Exceedance
G05	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	357	1,200	Standard	No Exceedance
G06	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.010	Standard	No Exceedance
G06	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0309	2.0	Standard	No Exceedance
G06	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.004	Standard	No Exceedance
G06	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	3.07	2	Standard	Exceedance
G06	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	3.02	2	Standard	Exceedance
G06	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G06	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	16.7	200	Standard	No Exceedance
G06	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	16.2	200	Standard	No Exceedance
G06	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	21	CI around geomean	0.00221	0.1	Standard	No Exceedance
G06	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.26	4.0	Standard	No Exceedance
G06	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around median	0.26	4.0	Standard	No Exceedance
G06	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.0075	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G06	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.0037	0.04	Standard	No Exceedance
G06	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G06	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.1	Standard	No Exceedance
G06	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	18	0	CI around mean	6.5/6.6	6.0/9.0	Background/Standard	No Exceedance
G06	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	19	0	CI around mean	6.5/6.6	6.0/9.0	Background/Standard	No Exceedance
G06	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	1.09	5	Standard	No Exceedance
G06	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G06	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	163	400	Standard	No Exceedance
G06	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	161	400	Standard	No Exceedance
G06	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G06	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	493	1,200	Standard	No Exceedance
G06	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	497	1,200	Standard	No Exceedance
G07	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.006	Standard	No Exceedance
G07	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.010	Standard	No Exceedance
G07	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0533	2.0	Standard	No Exceedance
G07	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.001	0.004	Standard	No Exceedance
G07	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.34	2	Standard	Exceedance
G07	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	4.3	2	Standard	Exceedance
G07	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G07	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	19.3	200	Standard	No Exceedance
G07	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	19	200	Standard	No Exceedance
G07	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00329	0.1	Standard	No Exceedance
G07	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00189	0.006	Standard	No Exceedance
G07	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.4	4.0	Standard	No Exceedance
G07	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	20	CB around T-S line	0.394	4.0	Standard	No Exceedance
G07	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	53	CI around median	0.001	0.0075	Standard	No Exceedance
G07	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.003	0.04	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G07	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G07	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.0015	0.1	Standard	No Exceedance
G07	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G07	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around median	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G07	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.871	5	Standard	No Exceedance
G07	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G07	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	258	400	Standard	No Exceedance
G07	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	257	400	Standard	No Exceedance
G07	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G07	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	575	1,200	Standard	No Exceedance
G07	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	575	1,200	Standard	No Exceedance
G08	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G08	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.0062	0.010	Standard	No Exceedance
G08	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.0527	2.0	Standard	No Exceedance
G08	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.004	Standard	No Exceedance
G08	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.4	2	Standard	Exceedance
G08	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	4.45	2	Standard	Exceedance
G08	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.005	Standard	No Exceedance
G08	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	13.4	200	Standard	No Exceedance
G08	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	13.4	200	Standard	No Exceedance
G08	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around geomean	0.00205	0.1	Standard	No Exceedance
G08	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around geomean	0.00369	0.006	Standard	No Exceedance
G08	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around geomean	0.267	4.0	Standard	No Exceedance
G08	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.268	4.0	Standard	No Exceedance
G08	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.0075	Standard	No Exceedance
G08	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.003	0.04	Standard	No Exceedance
G08	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G08	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	21	CI around median	0.0017	0.1	Standard	No Exceedance
G08	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.8/7.0	6.0/9.0	Background/Standard	No Exceedance
G08	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.8/7.0	6.0/9.0	Background/Standard	No Exceedance
G08	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.425	5	Standard	No Exceedance
G08	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G08	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	298	400	Standard	No Exceedance
G08	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	314	400	Standard	No Exceedance
G08	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G08	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	626	1,200	Standard	No Exceedance
G08	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	647	1,200	Standard	No Exceedance
G09	UA	E009	Antimony, total	mg/L	03/04/21 - 04/22/25	19	90	CI around median	0.001	0.006	Standard	No Exceedance
G09	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/22/25	19	10	CI around geomean	0.00235	0.010	Standard	No Exceedance
G09	UA	E009	Barium, total	mg/L	03/04/21 - 04/22/25	19	0	CI around mean	0.0392	2.0	Standard	No Exceedance
G09	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/22/25	19	68	CI around median	0.001	0.004	Standard	No Exceedance
G09	UA	E009	Boron, total	mg/L	03/04/21 - 04/22/25	19	0	CI around median	3.2	2	Standard	Exceedance
G09	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around median	3.19	2	Standard	Exceedance
G09	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G09	UA	E009	Chloride, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	10.8	200	Standard	No Exceedance
G09	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	10.7	200	Standard	No Exceedance
G09	UA	E009	Chromium, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.00201	0.1	Standard	No Exceedance
G09	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	-0.00076	0.006	Standard	No Exceedance
G09	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.257	4.0	Standard	No Exceedance
G09	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.258	4.0	Standard	No Exceedance
G09	UA	E009	Lead, total	mg/L	03/04/21 - 04/22/25	19	58	CI around median	0.001	0.0075	Standard	No Exceedance
G09	UA	E009	Lithium, total	mg/L	03/04/21 - 04/22/25	19	10	CI around median	0.0035	0.04	Standard	No Exceedance
G09	UA	E009	Mercury, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G09	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G09	UA	E009	pH (field)	SU	03/04/21 - 04/22/25	19	0	CI around median	6.0/6.3	6.0/9.0	Background/Standard	No Exceedance
G09	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.0/6.3	6.0/9.0	Background/Standard	No Exceedance
G09	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/22/25	19	0	CI around geomean	0.335	5	Standard	No Exceedance
G09	UA	E009	Selenium, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.001	0.05	Standard	No Exceedance
G09	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	195	400	Standard	No Exceedance
G09	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	195	400	Standard	No Exceedance
G09	UA	E009	Thallium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G09	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	422	1,200	Standard	No Exceedance
G09	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	425	1,200	Standard	No Exceedance
G10	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G10	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	21	CB around T-S line	0.00409	0.010	Standard	No Exceedance
G10	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0385	2.0	Standard	No Exceedance
G10	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.004	Standard	No Exceedance
G10	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.906	2	Standard	No Exceedance
G10	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	0.951	2	Standard	No Exceedance
G10	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G10	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	12.6	200	Standard	No Exceedance
G10	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	12.4	200	Standard	No Exceedance
G10	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00209	0.1	Standard	No Exceedance
G10	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.00424	0.006	Standard	No Exceedance
G10	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	5	CI around median	0.28	4.0	Standard	No Exceedance
G10	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	5	CB around linear reg	0.487	4.0	Standard	No Exceedance
G10	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.0075	Standard	No Exceedance
G10	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	26	CB around T-S line	0.00441	0.04	Standard	No Exceedance
G10	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.002	Standard	No Exceedance
G10	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	47	CI around median	0.0015	0.1	Standard	No Exceedance
G10	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.6	6.0/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G10	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around mean	6.4/6.6	6.0/9.0	Background/Standard	No Exceedance
G10	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	0.95	5	Standard	No Exceedance
G10	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.05	Standard	No Exceedance
G10	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	252	400	Standard	No Exceedance
G10	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	255	400	Standard	No Exceedance
G10	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G10	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	750	1,200	Standard	No Exceedance
G10	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	750	1,200	Standard	No Exceedance
G11	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.010	Standard	No Exceedance
G11	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0164	2.0	Standard	No Exceedance
G11	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.004	Standard	No Exceedance
G11	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.301	2	Standard	No Exceedance
G11	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G11	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	17.9	200	Standard	No Exceedance
G11	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.18	4.0	Standard	No Exceedance
G11	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	84	CI around median	0.001	0.0075	Standard	No Exceedance
G11	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around median	0.0039	0.04	Standard	No Exceedance
G11	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G11	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	5.8/6.0	6.0/9.0	Background/Standard	No Exceedance
G11	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.296	5	Standard	No Exceedance
G11	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.00223	0.05	Standard	No Exceedance
G11	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	2.28	400	Standard	No Exceedance
G11	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.002	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G11	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	219	1,200	Standard	No Exceedance
G51D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G51D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G51D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.0187	2.0	Standard	No Exceedance
G51D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G51D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	0.707	2	Standard	No Exceedance
G51D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G51D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	10	CB around T-S line	1.68	200	Standard	No Exceedance
G51D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	62	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G51D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	24	CB around T-S line	-0.00801	0.006	Standard	No Exceedance
G51D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	83	CB around T-S line	0.1	4.0	Standard	No Exceedance
G51D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	97	CI around median	0.001	0.0075	Standard	No Exceedance
G51D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00566	0.04	Standard	No Exceedance
G51D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G51D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	96	CB around T-S line	0.00145	0.1	Standard	No Exceedance
G51D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	5.1/5.4	6.0/9.0	Background/Standard	Exceedance
G51D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around mean	0.473	5	Standard	No Exceedance
G51D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00485	0.05	Standard	No Exceedance
G51D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	95.2	400	Standard	No Exceedance
G51D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G51D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	309	1,200	Standard	No Exceedance
G52D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G52D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	28	7	CB around linear reg	-0.000471	0.010	Standard	No Exceedance
G52D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	28	0	CB around T-S line	0.155	2.0	Standard	No Exceedance
G52D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G52D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	29	86	CI around median	0.025	2	Standard	No Exceedance
G52D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G52D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	7.48	200	Standard	No Exceedance
G52D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G52D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	28	0	CI around mean	0.00307	0.006	Standard	No Exceedance
G52D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	29	10	CI around median	0.25	4.0	Standard	No Exceedance
G52D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G52D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	28	50	CI around median	0.003	0.04	Standard	No Exceedance
G52D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	23	96	Most recent sample	0.0002	0.002	Standard	No Exceedance
G52D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	24	83	CI around median	0.0015	0.1	Standard	No Exceedance
G52D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	29	0	CI around mean	6.3/6.4	6.0/9.0	Background/Standard	No Exceedance
G52D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	28	0	CI around mean	0.939	5	Standard	No Exceedance
G52D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	28	96	CI around median	0.001	0.05	Standard	No Exceedance
G52D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	22.9	400	Standard	No Exceedance
G52D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G52D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	273	1,200	Standard	No Exceedance
G53D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G53D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G53D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.00342	2.0	Standard	No Exceedance
G53D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G53D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CI around median	0.341	2	Standard	No Exceedance
G53D	UA	E009R	Boron, total	mg/L	12/03/15 - 06/09/25	31	0	CI around median	0.341	2	Standard	No Exceedance
G53D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G53D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	14.7	200	Standard	No Exceedance
G53D	UA	E009R	Chloride, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	14.7	200	Standard	No Exceedance
G53D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	83	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G53D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	14	CI around geomean	0.00121	0.006	Standard	No Exceedance
G53D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	0.641	4.0	Standard	No Exceedance
G53D	UA	E009R	Fluoride, total	mg/L	12/03/15 - 06/09/25	31	0	CI around mean	0.644	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G53D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G53D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	66	CB around T-S line	0.00297	0.04	Standard	No Exceedance
G53D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	96	CI around median	0.0002	0.002	Standard	No Exceedance
G53D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	92	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G53D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G53D	UA	E009R	pH (field)	SU	12/03/15 - 06/09/25	31	0	CB around T-S line	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G53D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around geomean	0.262	5	Standard	No Exceedance
G53D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G53D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	42	400	Standard	No Exceedance
G53D	UA	E009R	Sulfate, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	41.4	400	Standard	No Exceedance
G53D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G53D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	280	1,200	Standard	No Exceedance
G53D	UA	E009R	Total Dissolved Solids	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	274	1,200	Standard	No Exceedance
G54D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G54D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	29	59	CB around T-S line	-0.000101	0.010	Standard	No Exceedance
G54D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	0.0547	2.0	Standard	No Exceedance
G54D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G54D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	30	7	CI around mean	0.445	2	Standard	No Exceedance
G54D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G54D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	30	3	CB around T-S line	17	200	Standard	No Exceedance
G54D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	29	69	CI around median	0.0015	0.1	Standard	No Exceedance
G54D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	29	7	CB around linear reg	0.00202	0.006	Standard	No Exceedance
G54D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	30	7	CB around T-S line	0.249	4.0	Standard	No Exceedance
G54D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.0075	Standard	No Exceedance
G54D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	29	21	CB around linear reg	0.00191	0.04	Standard	No Exceedance
G54D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	24	96	CI around median	0.0002	0.002	Standard	No Exceedance
G54D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	25	88	CB around T-S line	0.00147	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G54D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	30	0	CB around linear reg	6.4/6.7	6.0/9.0	Background/Standard	No Exceedance
G54D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	29	0	CI around geomean	0.526	5	Standard	No Exceedance
G54D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.05	Standard	No Exceedance
G54D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	30	0	CI around median	149	400	Standard	No Exceedance
G54D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G54D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	30	0	CI around median	482	1,200	Standard	No Exceedance

TABLE 2.
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:

E009 = Quarter 2, 2025 sampling event

E009R = Quarter 2, 2025 resampling event

HSU = hydrostratigraphic 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 linear reg = Confidence band around linear regression

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

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

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

GWPS Source:

Background = background concentration

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

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G03	UA	E010	Antimony, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G03	UA	E010	Arsenic, total	mg/L	03/05/21 - 08/05/25	20	35	CI around median	0.001	0.010	Standard	No Exceedance
G03	UA	E010	Barium, total	mg/L	03/05/21 - 08/05/25	20	0	CB around linear reg	0.0364	2.0	Standard	No Exceedance
G03	UA	E010	Beryllium, total	mg/L	03/05/21 - 08/05/25	20	95	CI around median	0.001	0.004	Standard	No Exceedance
G03	UA	E010	Boron, total	mg/L	03/05/21 - 08/05/25	20	0	CI around geomean	0.245	2	Standard	No Exceedance
G03	UA	E010	Cadmium, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G03	UA	E010	Chloride, total	mg/L	03/05/21 - 08/05/25	20	0	CI around mean	21.9	200	Standard	No Exceedance
G03	UA	E010	Chromium, total	mg/L	03/05/21 - 08/05/25	20	5	CI around mean	0.00512	0.1	Standard	No Exceedance
G03	UA	E010	Cobalt, total	mg/L	03/05/21 - 08/05/25	20	20	CI around geomean	0.00174	0.006	Standard	No Exceedance
G03	UA	E010	Fluoride, total	mg/L	03/05/21 - 08/05/25	20	20	CI around median	0.2	4.0	Standard	No Exceedance
G03	UA	E010	Lead, total	mg/L	03/05/21 - 08/05/25	20	30	CI around geomean	0.00138	0.0075	Standard	No Exceedance
G03	UA	E010	Lithium, total	mg/L	03/05/21 - 08/05/25	20	60	CI around median	0.003	0.04	Standard	No Exceedance
G03	UA	E010	Mercury, total	mg/L	03/05/21 - 08/05/25	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G03	UA	E010	Molybdenum, total	mg/L	03/05/21 - 08/05/25	20	90	CI around median	0.0015	0.1	Standard	No Exceedance
G03	UA	E010	pH (field)	SU	03/05/21 - 08/05/25	20	0	CI around mean	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G03	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 08/05/25	20	0	CI around geomean	0.438	5	Standard	No Exceedance
G03	UA	E010	Selenium, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G03	UA	E010	Sulfate, total	mg/L	03/05/21 - 08/05/25	20	0	CI around geomean	73.9	400	Standard	No Exceedance
G03	UA	E010	Thallium, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G03	UA	E010	Total Dissolved Solids	mg/L	03/05/21 - 08/05/25	20	0	CI around mean	299	1,200	Standard	No Exceedance
G05	UA	E010	Antimony, total	mg/L	03/04/21 - 08/06/25	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G05	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/06/25	20	70	CI around median	0.001	0.010	Standard	No Exceedance
G05	UA	E010	Barium, total	mg/L	03/04/21 - 08/06/25	20	0	CB around linear reg	0.195	2.0	Standard	No Exceedance
G05	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/06/25	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G05	UA	E010	Boron, total	mg/L	03/04/21 - 08/06/25	20	0	CB around linear reg	-0.0251	2	Standard	No Exceedance
G05	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/06/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G05	UA	E010	Chloride, total	mg/L	03/04/21 - 08/06/25	20	0	CI around mean	18.3	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G05	UA	E010	Chromium, total	mg/L	03/04/21 - 08/06/25	20	55	CI around median	0.0015	0.1	Standard	No Exceedance
G05	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/06/25	20	0	CB around linear reg	-0.000884	0.006	Standard	No Exceedance
G05	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/06/25	20	20	CB around linear reg	0.436	4.0	Standard	No Exceedance
G05	UA	E010	Lead, total	mg/L	03/04/21 - 08/06/25	20	90	CI around median	0.001	0.0075	Standard	No Exceedance
G05	UA	E010	Lithium, total	mg/L	03/04/21 - 08/06/25	20	65	CI around median	0.003	0.04	Standard	No Exceedance
G05	UA	E010	Mercury, total	mg/L	03/04/21 - 08/06/25	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G05	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/06/25	20	5	CI around mean	0.00412	0.1	Standard	No Exceedance
G05	UA	E010	pH (field)	SU	03/04/21 - 08/06/25	20	0	CI around mean	6.4/6.5	6.0/9.0	Background/Standard	No Exceedance
G05	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/06/25	20	0	CI around geomean	0.583	5	Standard	No Exceedance
G05	UA	E010	Selenium, total	mg/L	03/04/21 - 08/06/25	20	35	CB around linear reg	0.000366	0.05	Standard	No Exceedance
G05	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/06/25	20	0	CI around mean	85.4	400	Standard	No Exceedance
G05	UA	E010	Thallium, total	mg/L	03/04/21 - 08/06/25	20	95	CI around median	0.002	0.002	Standard	No Exceedance
G05	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/06/25	20	0	CI around mean	359	1,200	Standard	No Exceedance
G06	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	45	CI around median	0.001	0.010	Standard	No Exceedance
G06	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around median	0.028	2.0	Standard	No Exceedance
G06	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.004	Standard	No Exceedance
G06	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	2.99	2	Standard	Exceedance
G06	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G06	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	16	200	Standard	No Exceedance
G06	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	20	CI around geomean	0.00215	0.1	Standard	No Exceedance
G06	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	45	CI around median	0.001	0.006	Standard	No Exceedance
G06	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CI around median	0.26	4.0	Standard	No Exceedance
G06	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	55	CI around median	0.001	0.0075	Standard	No Exceedance
G06	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	15	CI around mean	0.00402	0.04	Standard	No Exceedance
G06	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G06	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G06	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	20	0	CI around mean	6.5/6.6	6.0/9.0	Background/Standard	No Exceedance
G06	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CB around T-S line	1.21	5	Standard	No Exceedance
G06	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G06	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	162	400	Standard	No Exceedance
G06	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G06	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	500	1,200	Standard	No Exceedance
G07	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.006	Standard	No Exceedance
G07	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	55	CI around median	0.001	0.010	Standard	No Exceedance
G07	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around geomean	0.0548	2.0	Standard	No Exceedance
G07	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	80	CI around median	0.001	0.004	Standard	No Exceedance
G07	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	4.25	2	Standard	Exceedance
G07	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G07	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	18.7	200	Standard	No Exceedance
G07	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	25	CI around geomean	0.00349	0.1	Standard	No Exceedance
G07	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	5	CI around mean	0.00191	0.006	Standard	No Exceedance
G07	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CB around T-S line	0.39	4.0	Standard	No Exceedance
G07	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	50	CI around median	0.001	0.0075	Standard	No Exceedance
G07	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	40	CI around median	0.003	0.04	Standard	No Exceedance
G07	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G07	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	80	CI around median	0.0015	0.1	Standard	No Exceedance
G07	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CI around median	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G07	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CB around linear reg	1.01	5	Standard	No Exceedance
G07	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G07	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	256	400	Standard	No Exceedance
G07	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G07	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CB around T-S line	585	1,200	Standard	No Exceedance
G08	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G08	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	5	CI around mean	0.0062	0.010	Standard	No Exceedance
G08	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.0518	2.0	Standard	No Exceedance
G08	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.004	Standard	No Exceedance
G08	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	4.49	2	Standard	Exceedance
G08	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.005	Standard	No Exceedance
G08	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	13.3	200	Standard	No Exceedance
G08	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	10	CI around geomean	0.00208	0.1	Standard	No Exceedance
G08	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	5	CI around geomean	0.00365	0.006	Standard	No Exceedance
G08	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CI around geomean	0.269	4.0	Standard	No Exceedance
G08	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.001	0.0075	Standard	No Exceedance
G08	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.003	0.04	Standard	No Exceedance
G08	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G08	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	20	CI around median	0.0017	0.1	Standard	No Exceedance
G08	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CI around median	6.8/7.0	6.0/9.0	Background/Standard	No Exceedance
G08	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CI around geomean	0.446	5	Standard	No Exceedance
G08	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G08	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	323	400	Standard	No Exceedance
G08	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G08	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	666	1,200	Standard	No Exceedance
G09	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.001	0.006	Standard	No Exceedance
G09	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	10	CI around geomean	0.00231	0.010	Standard	No Exceedance
G09	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.0389	2.0	Standard	No Exceedance
G09	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.001	0.004	Standard	No Exceedance
G09	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around median	3.19	2	Standard	Exceedance
G09	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G09	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	10.6	200	Standard	No Exceedance
G09	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	15	CI around geomean	0.00216	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G09	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	0	CB around T-S line	-0.00431	0.006	Standard	No Exceedance
G09	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CI around geomean	0.258	4.0	Standard	No Exceedance
G09	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	55	CI around median	0.001	0.0075	Standard	No Exceedance
G09	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	10	CI around median	0.0035	0.04	Standard	No Exceedance
G09	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G09	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G09	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CB around T-S line	5.8/6.0	6.0/9.0	Background/Standard	No Exceedance
G09	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CI around geomean	0.357	5	Standard	No Exceedance
G09	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.05	Standard	No Exceedance
G09	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	195	400	Standard	No Exceedance
G09	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G09	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	431	1,200	Standard	No Exceedance
G10	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G10	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	20	CB around T-S line	0.00467	0.010	Standard	No Exceedance
G10	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around median	0.0385	2.0	Standard	No Exceedance
G10	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.001	0.004	Standard	No Exceedance
G10	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	0.97	2	Standard	No Exceedance
G10	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G10	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	13	200	Standard	No Exceedance
G10	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	25	CI around geomean	0.00224	0.1	Standard	No Exceedance
G10	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.00441	0.006	Standard	No Exceedance
G10	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	5	CB around linear reg	0.554	4.0	Standard	No Exceedance
G10	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	65	CI around median	0.001	0.0075	Standard	No Exceedance
G10	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	25	CB around T-S line	0.0052	0.04	Standard	No Exceedance
G10	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G10	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	45	CI around median	0.0015	0.1	Standard	No Exceedance
G10	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CB around linear reg	6.1/6.5	6.0/9.0	Background/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G10	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CB around T-S line	1.54	5	Standard	No Exceedance
G10	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.05	Standard	No Exceedance
G10	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	259	400	Standard	No Exceedance
G10	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G10	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CI around median	752	1,200	Standard	No Exceedance
G11	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	85	CI around median	0.001	0.010	Standard	No Exceedance
G11	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around median	0.0164	2.0	Standard	No Exceedance
G11	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.001	0.004	Standard	No Exceedance
G11	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.298	2	Standard	No Exceedance
G11	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G11	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	17.9	200	Standard	No Exceedance
G11	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	40	CI around median	0.001	0.006	Standard	No Exceedance
G11	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	20	20	CI around median	0.18	4.0	Standard	No Exceedance
G11	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	80	CI around median	0.001	0.0075	Standard	No Exceedance
G11	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	10	CI around median	0.0039	0.04	Standard	No Exceedance
G11	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G11	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	85	CI around median	0.0015	0.1	Standard	No Exceedance
G11	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	20	0	CI around median	5.8/6.0	6.0/9.0	Background/Standard	No Exceedance
G11	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CI around mean	0.452	5	Standard	No Exceedance
G11	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	-0.00231	0.05	Standard	No Exceedance
G11	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	-4.24	400	Standard	No Exceedance
G11	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.002	0.002	Standard	No Exceedance
G11	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	232	1,200	Standard	No Exceedance
G51D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G51D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G51D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	0.0218	2.0	Standard	No Exceedance
G51D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G51D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	31	0	CB around T-S line	0.691	2	Standard	No Exceedance
G51D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G51D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	31	13	CB around T-S line	1.5	200	Standard	No Exceedance
G51D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	30	60	CB around T-S line	0.0015	0.1	Standard	No Exceedance
G51D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	30	27	CB around T-S line	-0.0064	0.006	Standard	No Exceedance
G51D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	31	84	CB around T-S line	0.1	4.0	Standard	No Exceedance
G51D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	30	97	CI around median	0.001	0.0075	Standard	No Exceedance
G51D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	30	3	CB around T-S line	0.00569	0.04	Standard	No Exceedance
G51D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G51D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	26	96	CB around T-S line	0.00145	0.1	Standard	No Exceedance
G51D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	31	0	CB around T-S line	5.1/5.3	6.0/9.0	Background/Standard	Exceedance
G51D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	30	0	CI around mean	0.499	5	Standard	No Exceedance
G51D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	30	3	CB around T-S line	0.00499	0.05	Standard	No Exceedance
G51D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	31	0	CB around T-S line	95.5	400	Standard	No Exceedance
G51D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G51D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	31	0	CI around mean	310	1,200	Standard	No Exceedance
G52D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G52D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	29	7	CB around linear reg	-0.000502	0.010	Standard	No Exceedance
G52D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	29	0	CB around T-S line	0.161	2.0	Standard	No Exceedance
G52D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G52D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	30	87	CI around median	0.025	2	Standard	No Exceedance
G52D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G52D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	30	0	CB around linear reg	7.53	200	Standard	No Exceedance
G52D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	29	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G52D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	29	0	CI around mean	0.00307	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G52D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	30	13	CI around median	0.25	4.0	Standard	No Exceedance
G52D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	29	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G52D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	29	48	CI around median	0.003	0.04	Standard	No Exceedance
G52D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	24	96	Most recent sample	0.0002	0.002	Standard	No Exceedance
G52D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	25	84	CI around median	0.0015	0.1	Standard	No Exceedance
G52D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	30	0	CI around mean	6.3/6.4	6.0/9.0	Background/Standard	No Exceedance
G52D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	29	0	CI around mean	0.966	5	Standard	No Exceedance
G52D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	29	97	CI around median	0.001	0.05	Standard	No Exceedance
G52D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	21.5	400	Standard	No Exceedance
G52D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G52D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	30	0	CB around linear reg	275	1,200	Standard	No Exceedance
G53D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G53D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G53D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	0.015	2.0	Standard	No Exceedance
G53D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G53D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	32	0	CI around median	0.338	2	Standard	No Exceedance
G53D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G53D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	32	0	CB around T-S line	14.5	200	Standard	No Exceedance
G53D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	30	83	CI around median	0.0015	0.1	Standard	No Exceedance
G53D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	30	17	CB around T-S line	-0.000996	0.006	Standard	No Exceedance
G53D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	32	0	CI around mean	0.644	4.0	Standard	No Exceedance
G53D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G53D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	30	67	CB around T-S line	0.00297	0.04	Standard	No Exceedance
G53D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	25	96	CI around median	0.0002	0.002	Standard	No Exceedance
G53D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	26	92	CB around T-S line	0.00148	0.1	Standard	No Exceedance
G53D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	32	0	CB around T-S line	6.2/6.4	6.0/9.0	Background/Standard	No Exceedance
G53D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	30	0	CI around geomean	0.274	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G53D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G53D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	32	0	CB around T-S line	42.1	400	Standard	No Exceedance
G53D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G53D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	32	0	CB around T-S line	281	1,200	Standard	No Exceedance
G54D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G54D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	30	57	CB around T-S line	0.0000542	0.010	Standard	No Exceedance
G54D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	0.0555	2.0	Standard	No Exceedance
G54D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G54D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	31	6	CI around mean	0.449	2	Standard	No Exceedance
G54D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G54D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	31	3	CB around T-S line	16.8	200	Standard	No Exceedance
G54D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	30	67	CI around median	0.0015	0.1	Standard	No Exceedance
G54D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	30	7	CB around linear reg	0.002	0.006	Standard	No Exceedance
G54D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	31	10	CB around T-S line	0.238	4.0	Standard	No Exceedance
G54D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	30	90	CI around median	0.001	0.0075	Standard	No Exceedance
G54D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	30	20	CB around linear reg	0.00193	0.04	Standard	No Exceedance
G54D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	25	96	CI around median	0.0002	0.002	Standard	No Exceedance
G54D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	26	88	CB around T-S line	0.00147	0.1	Standard	No Exceedance
G54D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	31	0	CB around linear reg	6.4/6.7	6.0/9.0	Background/Standard	No Exceedance
G54D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	30	0	CI around geomean	0.544	5	Standard	No Exceedance
G54D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	30	93	CI around median	0.001	0.05	Standard	No Exceedance
G54D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	31	0	CB around T-S line	149	400	Standard	No Exceedance
G54D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G54D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	31	0	CI around median	486	1,200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:

E010 = Quarter 3, 2025 sampling event

HSU = hydrostratigraphic 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 linear reg = Confidence band around linear regression

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

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

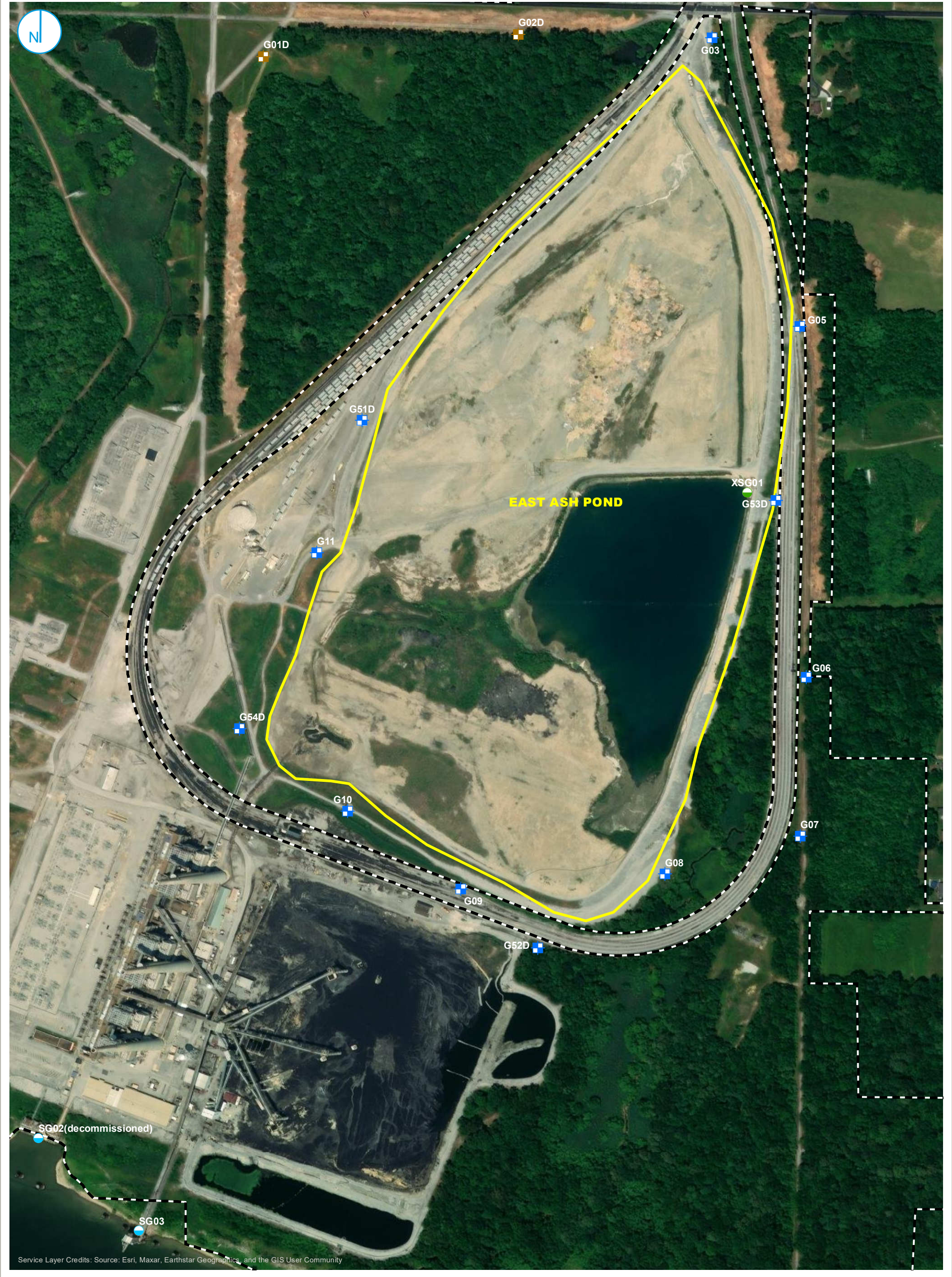
For pH, the values presented are the lower / upper limits

GWPS Source:

Background = background concentration

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

FIGURES



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER
- REGULATED UNIT (SUBJECT UNIT)
- PROPERTY BOUNDARY

0 200 400 Feet

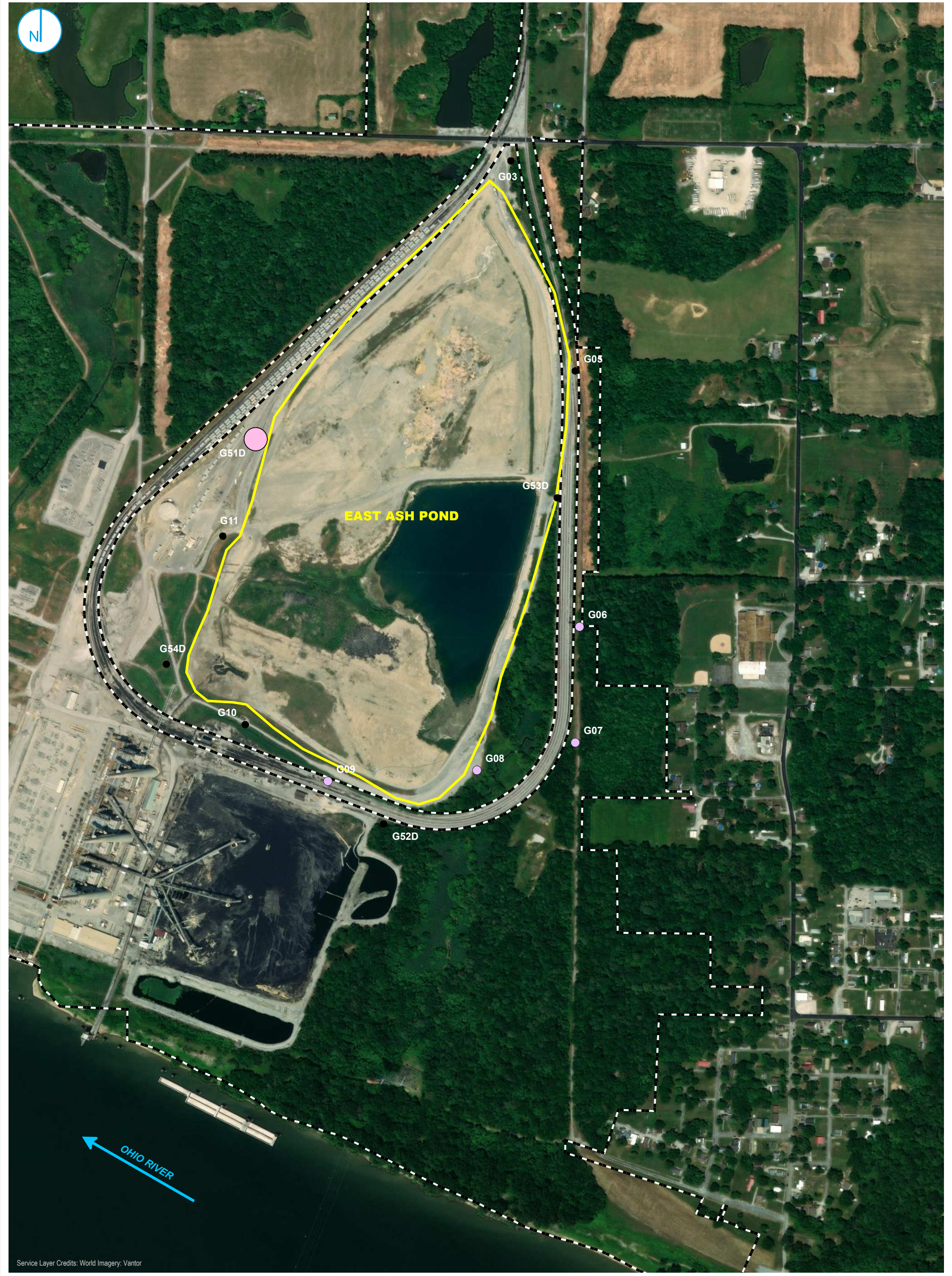
MONITORING WELL LOCATION MAP

FIGURE 1

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





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

0 275 550
Feet

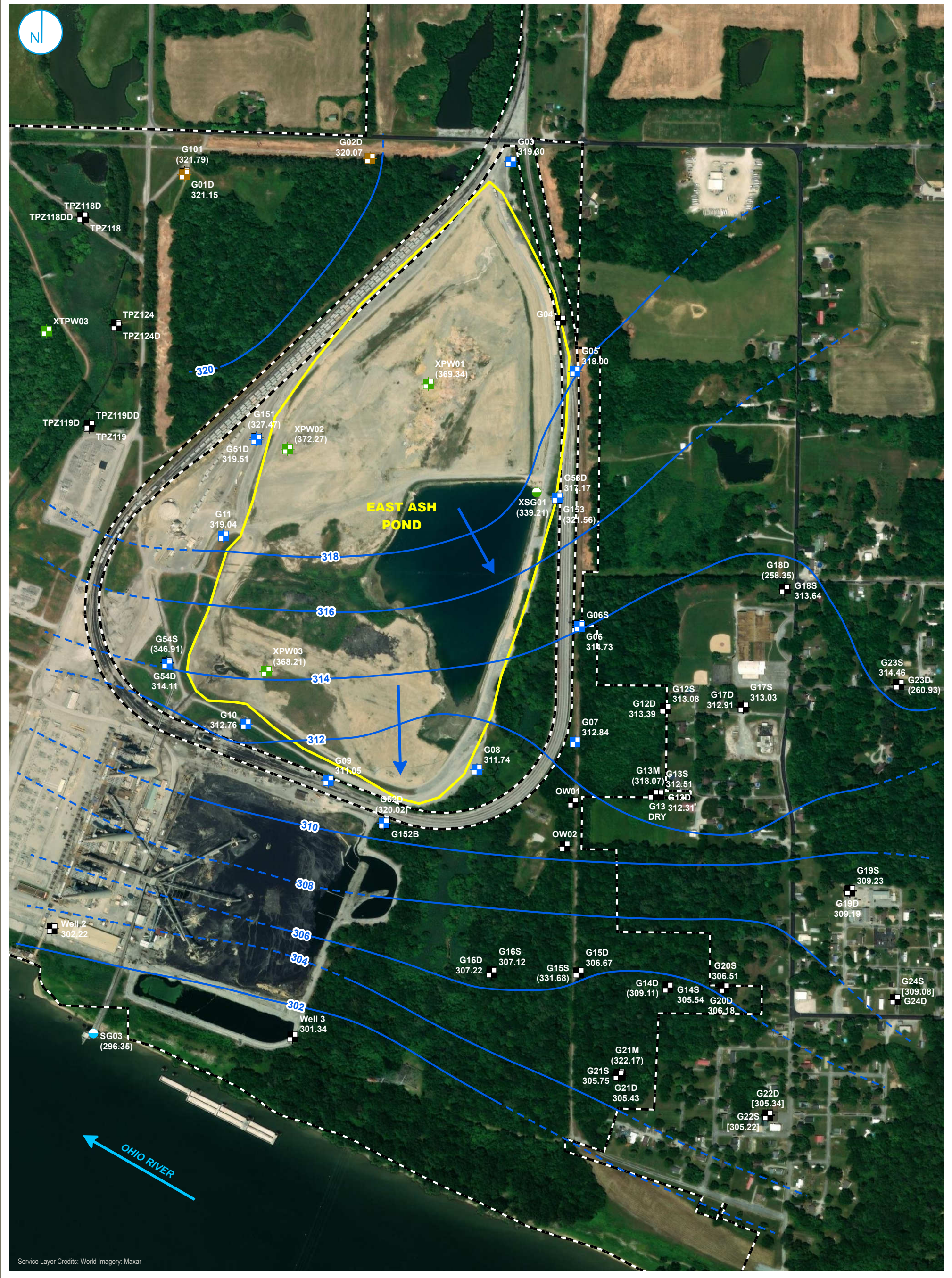
GWPS EXCEEDANCE MAP
UPPERMOST AQUIFER
QUARTERS 1-3, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

NOTES

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.

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

3. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.

0

275

550

Feet

POTENTIOMETRIC SURFACE MAP
JANUARY 28, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

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

0 275 550 Feet

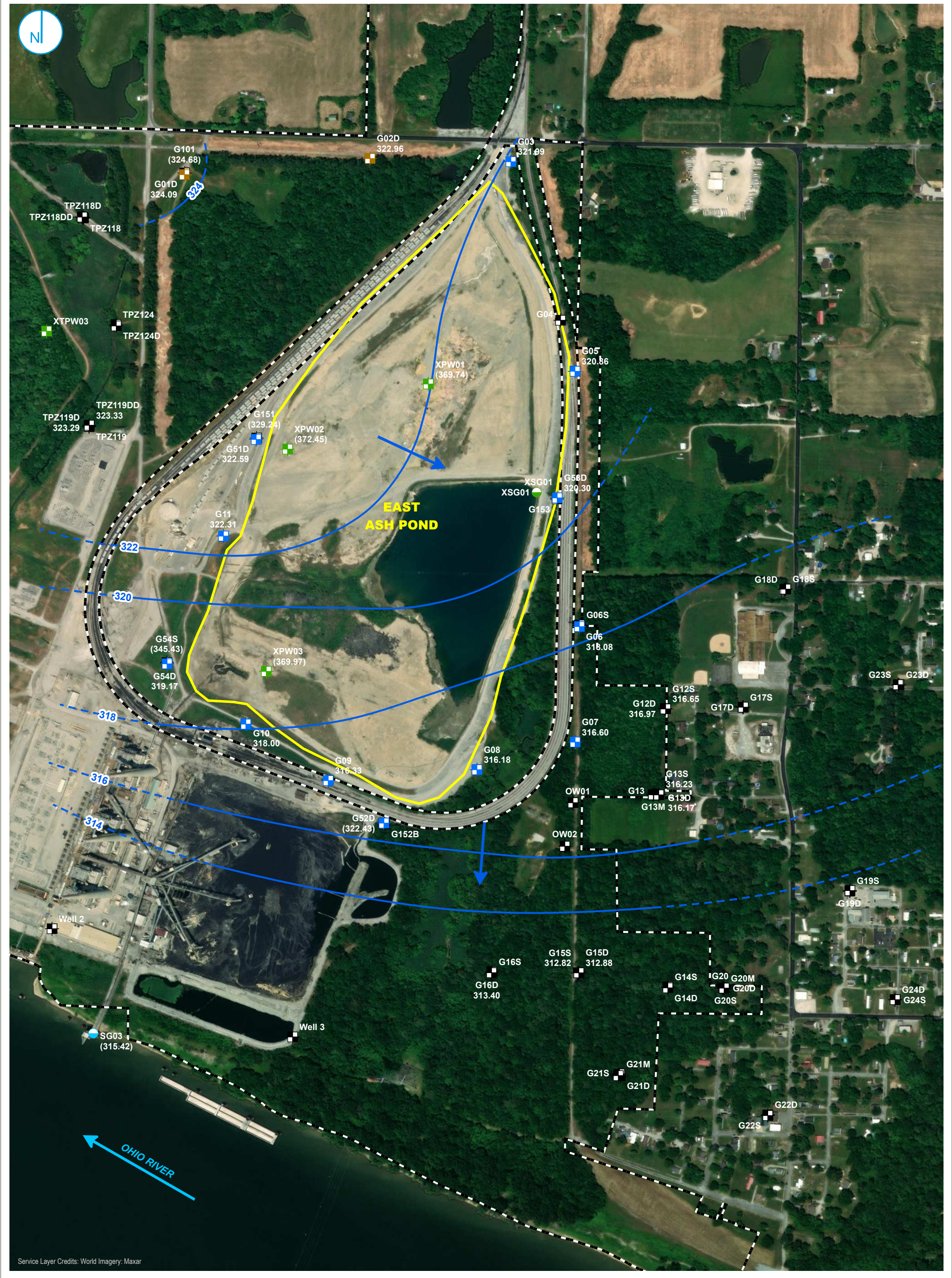
POTENTIOMETRIC SURFACE MAP
FEBRUARY 21, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- MONITORING 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)
- PROPERTY BOUNDARY

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

0 275 550 Feet

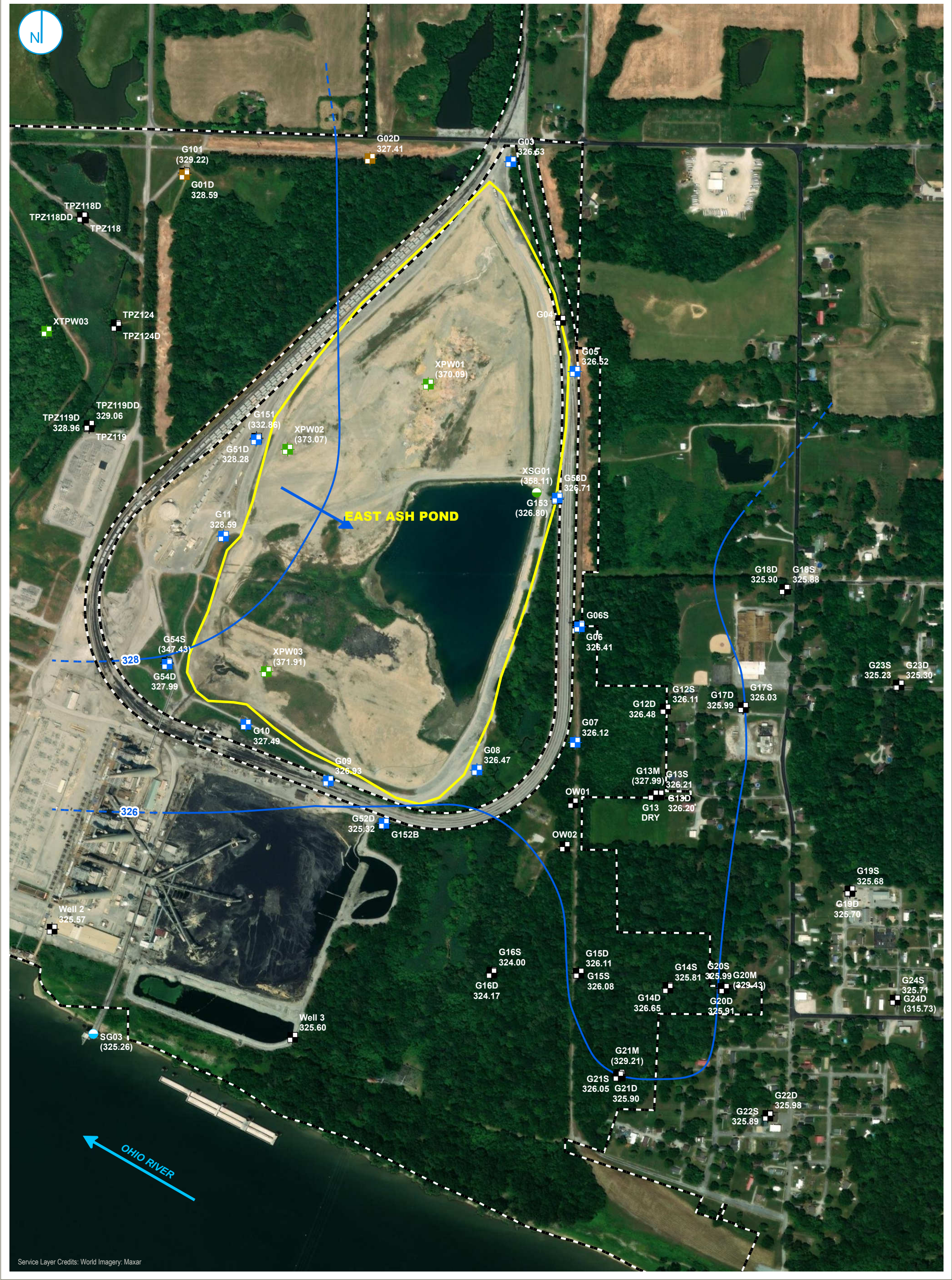
POTENTIOMETRIC SURFACE MAP
MARCH 20, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

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

0 275 550 Feet

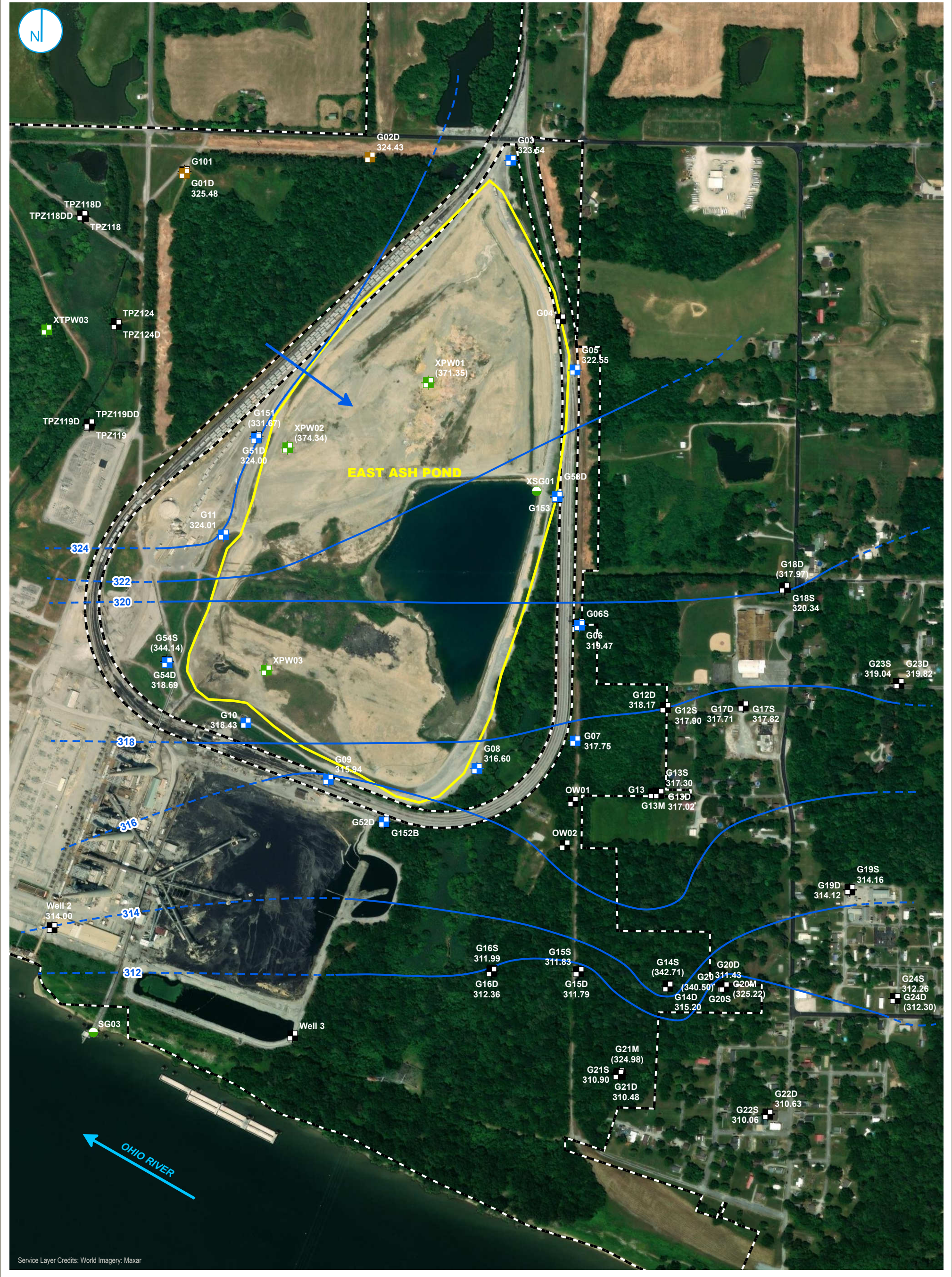
POTENTIOMETRIC SURFACE MAP
APRIL 21, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

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

0275550
Feet

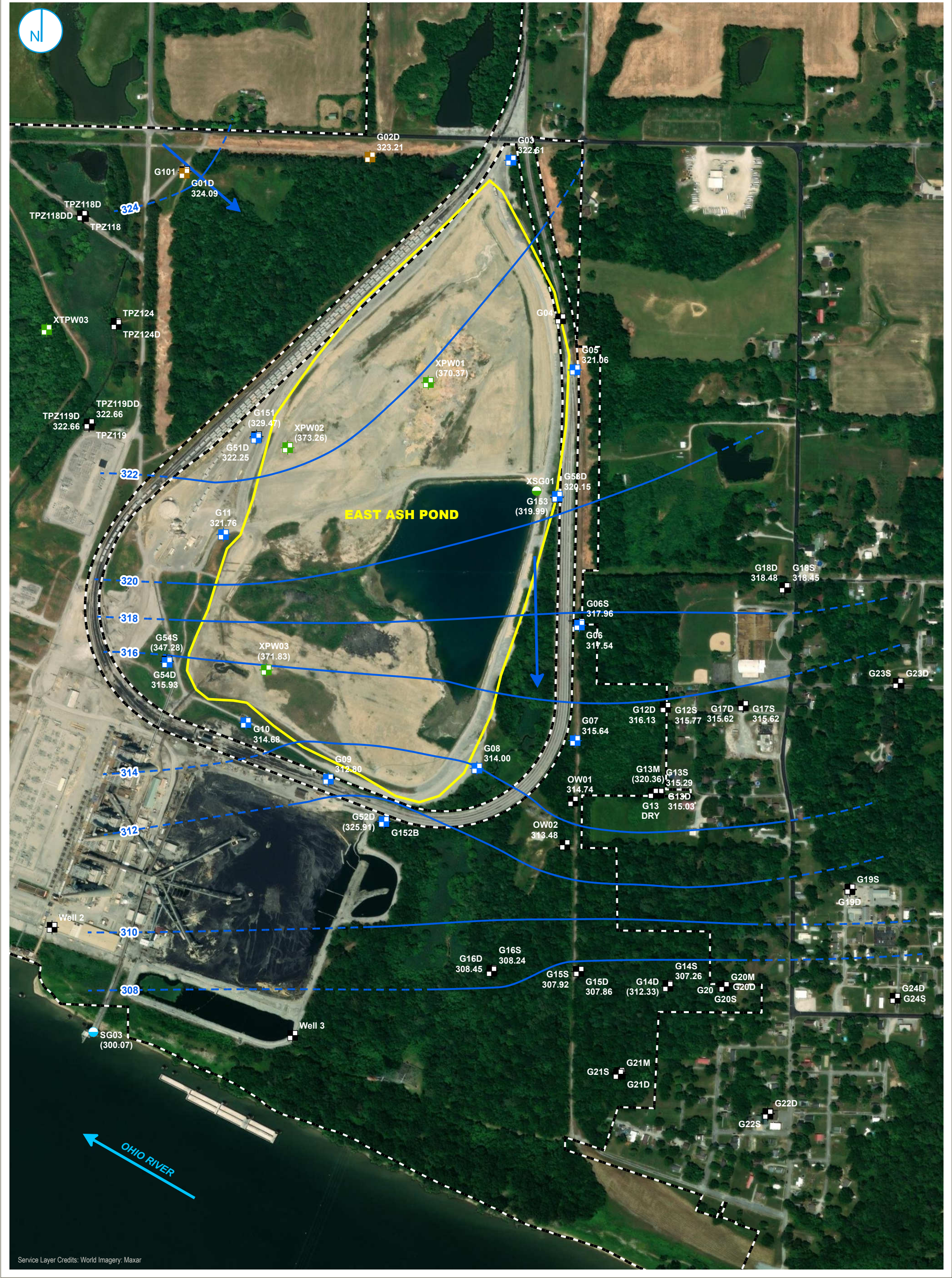
POTENTIOMETRIC SURFACE MAP
JUNE 9, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 8

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

NOTES

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.

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

0

275

550

Feet

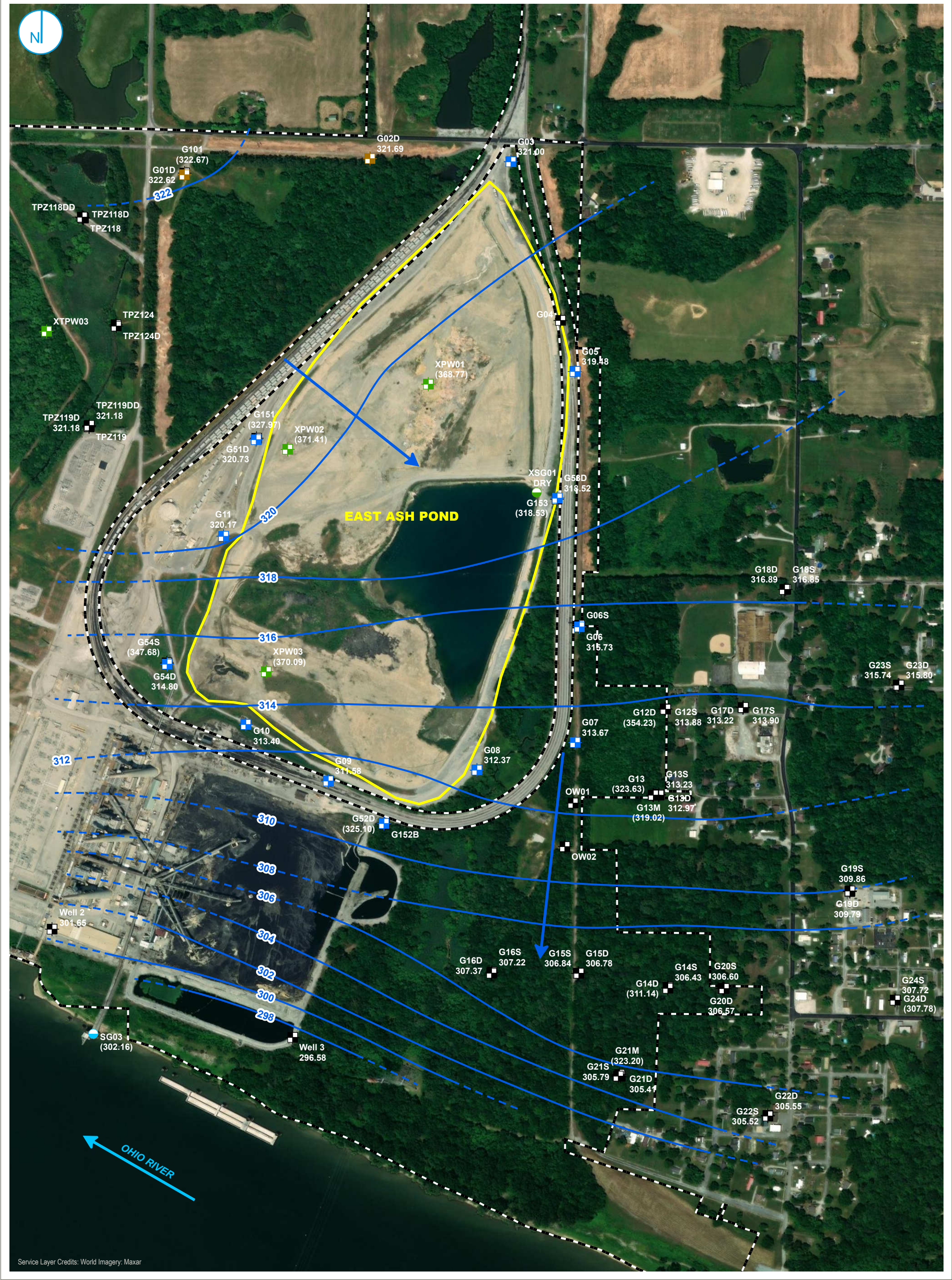
POTENTIOMETRIC SURFACE MAP
JULY 14 AND 15, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- MONITORING 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)
- PROPERTY BOUNDARY

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

0 275 550 Feet

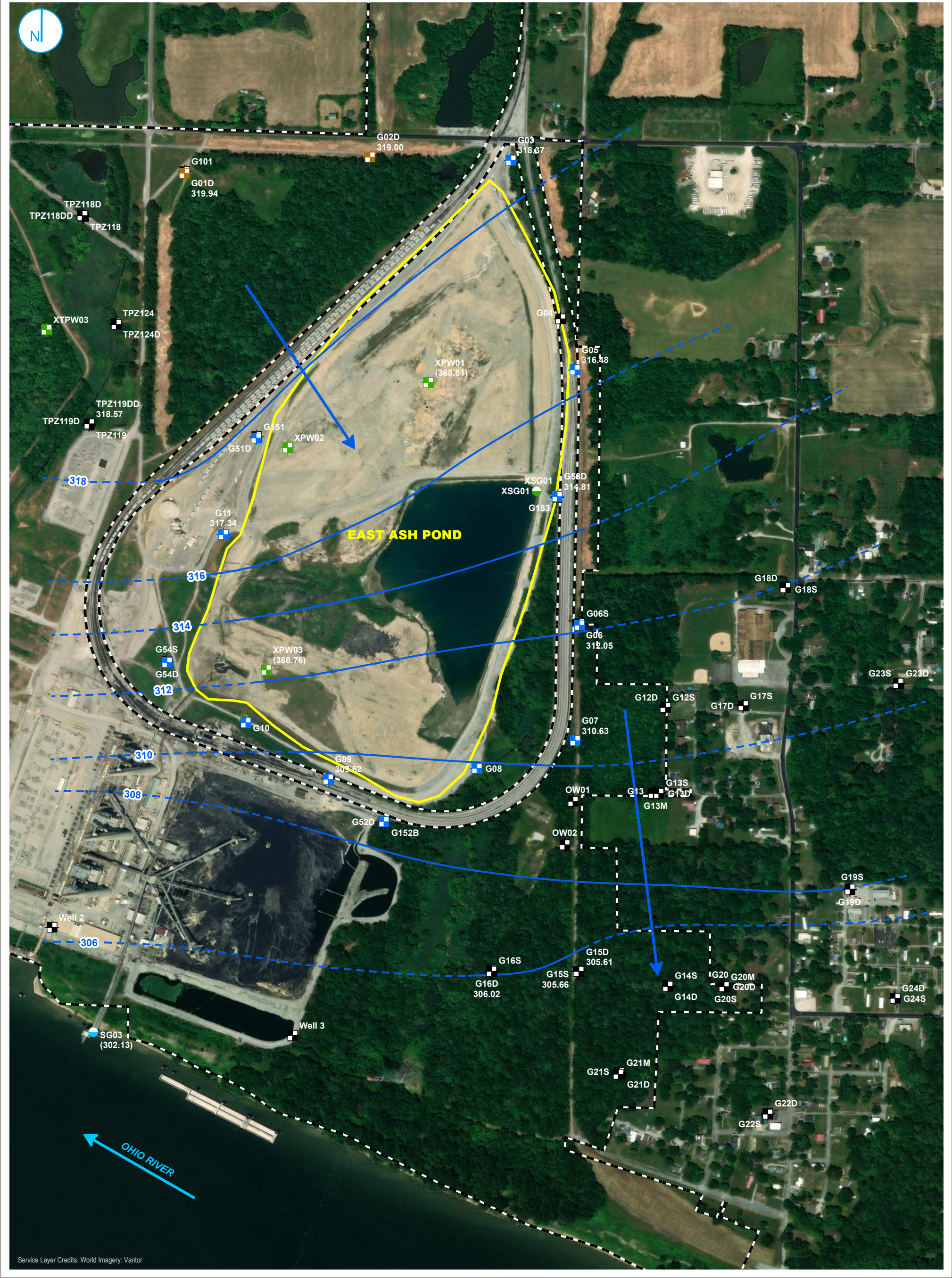
POTENTIOMETRIC SURFACE MAP
AUGUST 4, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 10

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

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

0275550
Feet

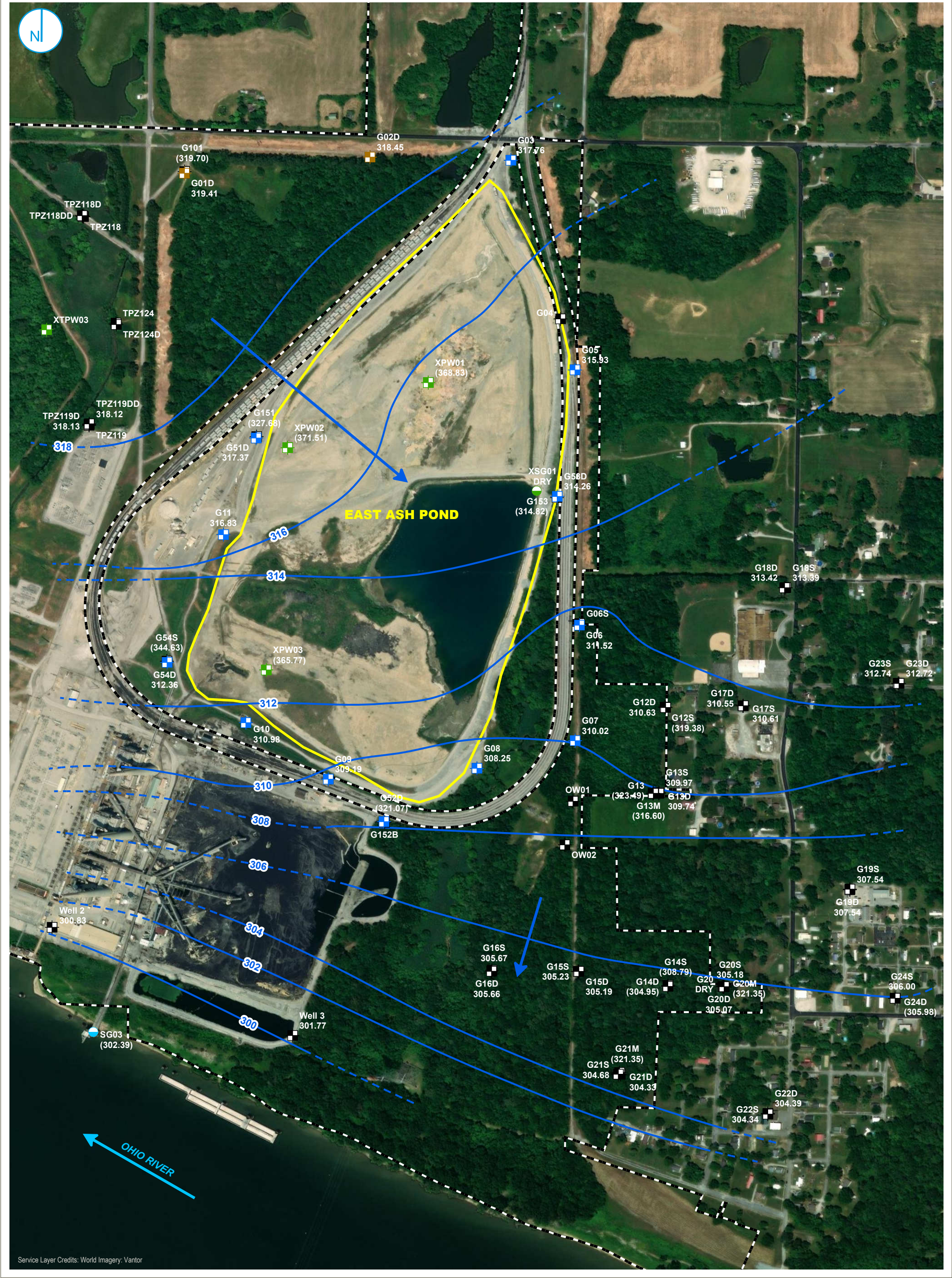
POTENTIOMETRIC SURFACE MAP
OCTOBER 10, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 12

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.





COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

NOTES

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.

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

0

275

550

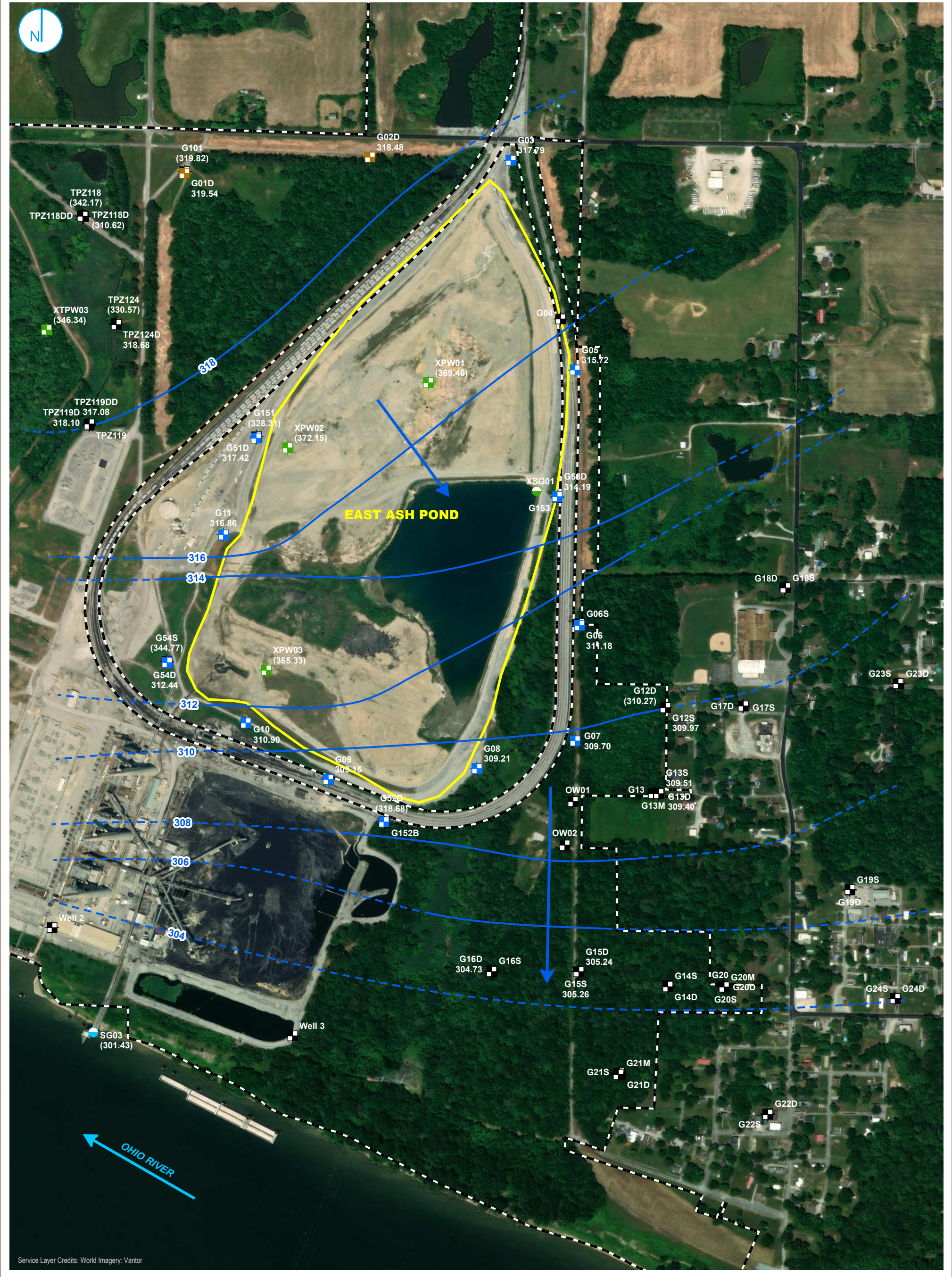
Feet

POTENTIOMETRIC SURFACE MAP
NOVEMBER 10, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 13

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

MONITORING 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)

PROPERTY BOUNDARY

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

0 275 550 Feet

POTENTIOMETRIC SURFACE MAP
DECEMBER 3 AND 4, 2025

2025 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
EAST ASH POND
JOPPA POWER PLANT
JOPPA, ILLINOIS

FIGURE 14

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2025 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G01D	Background	UA	01/28/2025	43.14	321.15
G01D	Background	UA	02/21/2025	DM7	DM7
G01D	Background	UA	03/20/2025	40.20	324.09
G01D	Background	UA	04/21/2025	35.70	328.59
G01D	Background	UA	05/09/2025	DM7	DM7
G01D	Background	UA	06/09/2025	38.81	325.48
G01D	Background	UA	07/14/2025	40.20	324.09
G01D	Background	UA	08/04/2025	41.67	322.62
G01D	Background	UA	09/10/2025	43.11	321.16
G01D	Background	UA	10/10/2025	44.34	319.94
G01D	Background	UA	11/10/2025	44.88	319.41
G01D	Background	UA	12/03/2025	44.75	319.54
G02D	Background	UA	01/28/2025	43.59	320.07
G02D	Background	UA	02/21/2025	DM7	DM7
G02D	Background	UA	03/20/2025	40.70	322.96
G02D	Background	UA	04/21/2025	36.25	327.41
G02D	Background	UA	05/09/2025	38.92	324.73
G02D	Background	UA	06/09/2025	39.23	324.43
G02D	Background	UA	07/14/2025	40.45	323.21
G02D	Background	UA	08/04/2025	41.97	321.69
G02D	Background	UA	09/10/2025	43.31	320.34
G02D	Background	UA	10/10/2025	44.65	319.00
G02D	Background	UA	11/10/2025	45.21	318.45
G02D	Background	UA	12/03/2025	45.18	318.48
G03	Compliance	UA	01/28/2025	38.69	319.30
G03	Compliance	UA	02/21/2025	DM7	DM7
G03	Compliance	UA	03/20/2025	36.00	321.99
G03	Compliance	UA	04/21/2025	31.46	326.53
G03	Compliance	UA	05/09/2025	DM7	DM7
G03	Compliance	UA	06/09/2025	34.45	323.54
G03	Compliance	UA	07/14/2025	35.38	322.61
G03	Compliance	UA	08/04/2025	36.99	321.00
G03	Compliance	UA	09/10/2025	38.26	319.72
G03	Compliance	UA	10/10/2025	39.61	318.37
G03	Compliance	UA	11/10/2025	40.23	317.76
G03	Compliance	UA	12/03/2025	40.20	317.79
G05	Compliance	UA	01/28/2025	43.56	318.00
G05	Compliance	UA	02/21/2025	DM7	DM7
G05	Compliance	UA	03/20/2025	40.70	320.86
G05	Compliance	UA	04/21/2025	35.04	326.52
G05	Compliance	UA	05/09/2025	38.63	322.92
G05	Compliance	UA	06/09/2025	39.01	322.55
G05	Compliance	UA	07/14/2025	40.50	321.06
G05	Compliance	UA	08/04/2025	42.08	319.48
G05	Compliance	UA	09/10/2025	43.17	318.38
G05	Compliance	UA	10/10/2025	45.07	316.48

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G05	Compliance	UA	11/10/2025	45.63	315.93
G05	Compliance	UA	12/03/2025	45.84	315.72
G06	Compliance	UA	01/28/2025	40.65	314.73
G06	Compliance	UA	02/21/2025	DM7	DM7
G06	Compliance	UA	03/20/2025	37.30	318.08
G06	Compliance	UA	04/21/2025	28.97	326.41
G06	Compliance	UA	05/09/2025	34.70	320.67
G06	Compliance	UA	06/09/2025	35.91	319.47
G06	Compliance	UA	07/14/2025	37.84	317.54
G06	Compliance	UA	08/04/2025	39.65	315.73
G06	Compliance	UA	09/10/2025	40.56	314.80
G06	Compliance	UA	10/10/2025	43.31	312.05
G06	Compliance	UA	11/10/2025	43.86	311.52
G06	Compliance	UA	12/03/2025	44.20	311.18
G07	Compliance	UA	01/28/2025	40.81	312.84
G07	Compliance	UA	02/21/2025	35.80	317.83
G07	Compliance	UA	03/20/2025	37.04	316.60
G07	Compliance	UA	04/21/2025	27.53	326.12
G07	Compliance	UA	05/09/2025	34.75	318.89
G07	Compliance	UA	06/09/2025	35.90	317.75
G07	Compliance	UA	07/14/2025	38.01	315.64
G07	Compliance	UA	08/04/2025	39.98	313.67
G07	Compliance	UA	09/10/2025	40.67	312.97
G07	Compliance	UA	10/10/2025	43.01	310.63
G07	Compliance	UA	11/10/2025	43.63	310.02
G07	Compliance	UA	12/03/2025	43.95	309.70
G08	Compliance	UA	01/28/2025	31.96	311.74
G08	Compliance	UA	02/21/2025	24.53	319.16
G08	Compliance	UA	03/20/2025	27.51	316.18
G08	Compliance	UA	04/21/2025	17.23	326.47
G08	Compliance	UA	05/09/2025	DM7	DM7
G08	Compliance	UA	06/09/2025	27.10	316.60
G08	Compliance	UA	07/14/2025	29.70	314.00
G08	Compliance	UA	08/04/2025	31.33	312.37
G08	Compliance	UA	09/10/2025	DM7	DM7
G08	Compliance	UA	10/10/2025	DM7	DM7
G08	Compliance	UA	11/10/2025	35.45	308.25
G08	Compliance	UA	12/03/2025	34.49	309.21
G09	Compliance	UA	01/28/2025	40.75	311.05
G09	Compliance	UA	02/21/2025	31.08	320.71
G09	Compliance	UA	03/20/2025	35.46	316.33
G09	Compliance	UA	04/21/2025	24.87	326.93
G09	Compliance	UA	05/09/2025	34.00	317.79
G09	Compliance	UA	06/09/2025	35.86	315.94
G09	Compliance	UA	07/14/2025	39.00	312.80
G09	Compliance	UA	08/04/2025	40.22	311.58

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G09	Compliance	UA	09/10/2025	40.99	310.80
G09	Compliance	UA	10/10/2025	42.17	309.62
G09	Compliance	UA	11/10/2025	42.61	309.19
G09	Compliance	UA	12/03/2025	42.65	309.15
G10	Compliance	UA	01/28/2025	40.98	312.76
G10	Compliance	UA	02/21/2025	31.84	321.89
G10	Compliance	UA	03/20/2025	35.73	318.00
G10	Compliance	UA	04/21/2025	26.25	327.49
G10	Compliance	UA	05/09/2025	33.59	320.14
G10	Compliance	UA	06/09/2025	35.31	318.43
G10	Compliance	UA	07/14/2025	39.06	314.68
G10	Compliance	UA	08/04/2025	40.34	313.40
G10	Compliance	UA	09/10/2025	DM ⁷	DM ⁷
G10	Compliance	UA	10/10/2025	DM ⁷	DM ⁷
G10	Compliance	UA	11/10/2025	42.76	310.98
G10	Compliance	UA	12/03/2025	42.84	310.90
G11	Compliance	UA	01/28/2025	47.69	319.04
G11	Compliance	UA	02/21/2025	DM ⁷	DM ⁷
G11	Compliance	UA	03/20/2025	44.42	322.31
G11	Compliance	UA	04/21/2025	38.14	328.59
G11	Compliance	UA	05/09/2025	DM ⁷	DM ⁷
G11	Compliance	UA	06/09/2025	42.72	324.01
G11	Compliance	UA	07/14/2025	44.97	321.76
G11	Compliance	UA	08/04/2025	46.56	320.17
G11	Compliance	UA	09/10/2025	47.92	318.80
G11	Compliance	UA	10/10/2025	49.38	317.34
G11	Compliance	UA	11/10/2025	49.90	316.83
G11	Compliance	UA	12/03/2025	49.87	316.86
G51D	Compliance	UA	01/28/2025	44.41	319.51
G51D	Compliance	UA	02/21/2025	40.80	323.11
G51D	Compliance	UA	03/20/2025	41.33	322.59
G51D	Compliance	UA	04/21/2025	35.64	328.28
G51D	Compliance	UA	05/09/2025	39.53	324.39
G51D	Compliance	UA	06/09/2025	39.92	324.00
G51D	Compliance	UA	07/14/2025	41.67	322.25
G51D	Compliance	UA	08/04/2025	43.19	320.73
G51D	Compliance	UA	09/10/2025	DM ⁷	DM ⁷
G51D	Compliance	UA	10/10/2025	DM ⁷	DM ⁷
G51D	Compliance	UA	11/10/2025	46.55	317.37
G51D	Compliance	UA	12/03/2025	46.50	317.42
G52D	Compliance	UA	01/28/2025	28.49	320.02
G52D	Compliance	UA	02/21/2025	30.51	317.99
G52D	Compliance	UA	03/20/2025	26.07	322.43
G52D	Compliance	UA	04/21/2025	23.19	325.32
G52D	Compliance	UA	05/09/2025	24.80	323.70
G52D	Compliance	UA	06/10/2025	23.11	325.40

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2025 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G52D	Compliance	UA	07/14/2025	22.60	325.91
G52D	Compliance	UA	08/04/2025	23.41	325.10
G52D	Compliance	UA	09/10/2025	DM7	DM7
G52D	Compliance	UA	10/10/2025	DM7	DM7
G52D	Compliance	UA	11/10/2025	27.44	321.07
G52D	Compliance	UA	12/03/2025	29.83	318.68
G53D	Compliance	UA	01/28/2025	38.38	317.17
G53D	Compliance	UA	02/21/2025	35.05	320.49
G53D	Compliance	UA	03/20/2025	35.24	320.30
G53D	Compliance	UA	04/21/2025	28.84	326.71
G53D	Compliance	UA	05/09/2025	33.20	322.34
G53D	Compliance	UA	06/09/2025	33.69	NA
G53D	Compliance	UA	07/14/2025	35.40	320.15
G53D	Compliance	UA	08/04/2025	37.03	318.52
G53D	Compliance	UA	09/10/2025	38.24	317.31
G53D	Compliance	UA	10/10/2025	40.73	314.81
G53D	Compliance	UA	11/10/2025	41.29	314.26
G53D	Compliance	UA	12/03/2025	41.36	314.19
G54D	Compliance	UA	01/28/2025	43.02	314.11
G54D	Compliance	UA	02/21/2025	34.37	322.75
G54D	Compliance	UA	03/20/2025	37.95	319.17
G54D	Compliance	UA	04/21/2025	29.14	327.99
G54D	Compliance	UA	05/09/2025	36.70	320.42
G54D	Compliance	UA	06/09/2025	38.44	318.69
G54D	Compliance	UA	07/14/2025	41.20	315.93
G54D	Compliance	UA	08/04/2025	42.33	314.80
G54D	Compliance	UA	09/10/2025	DM7	DM7
G54D	Compliance	UA	10/10/2025	DM7	DM7
G54D	Compliance	UA	11/10/2025	44.77	312.36
G54D	Compliance	UA	12/03/2025	44.69	312.44
XSG01	Water Level	CCR	01/28/2025	23.46	339.21
XSG01	Water Level	CCR	02/21/2025	DM1	DM1
XSG01	Water Level	CCR	03/20/2025	DM1	DM1
XSG01	Water Level	CCR	04/21/2025	4.56	358.11
XSG01	Water Level	CCR	05/09/2025	DM1	DM1
XSG01	Water Level	CCR	06/10/2025	8.23	354.44
XSG01	Water Level	CCR	07/14/2025	DM1	DM1
XSG01	Water Level	CCR	08/04/2025	Dry	Dry
XSG01	Water Level	CCR	09/10/2025	DM1	DM1
XSG01	Water Level	CCR	10/10/2025	DM1	DM1
XSG01	Water Level	CCR	11/10/2025	Dry	Dry
XSG01	Water Level	CCR	12/03/2025	DM3	DM3
SG03	Water Level	SW	01/28/2025	57.42	296.35
SG03	Water Level	SW	02/21/2025	DM7	DM7
SG03	Water Level	SW	03/20/2025	38.35	315.42
SG03	Water Level	SW	04/21/2025	28.51	325.26

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
SG03	Water Level	SW	05/09/2025	42.46	311.31
SG03	Water Level	SW	06/10/2025	48.21	305.56
SG03	Water Level	SW	07/14/2025	53.70	300.07
SG03	Water Level	SW	08/04/2025	51.61	302.16
SG03	Water Level	SW	09/10/2025	51.69	302.07
SG03	Water Level	SW	10/10/2025	51.63	302.13
SG03	Water Level	SW	11/10/2025	51.38	302.39
SG03	Water Level	SW	12/04/2025	[52.34]	[301.43]

Notes:
BMP = below measuring point
Bracketing [] indicates that the measurement was obtained outside of the episodic depth to groundwater measurements time frame.
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:
CCR = coal combustion residuals
SW = surface water
UA = uppermost aquifer

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ATTACHMENT B
COMPARISON TO BACKGROUND

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G03	UA	E008	Antimony, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.001	0.001
G03	UA	E008	Arsenic, total	mg/L	03/05/21 - 01/28/25	18	39	CI around geomean	0.00119	0.00170
G03	UA	E008	Barium, total	mg/L	03/05/21 - 01/28/25	18	0	CI around mean	0.0593	0.254
G03	UA	E008	Beryllium, total	mg/L	03/05/21 - 01/28/25	18	94	CI around median	0.001	0.00110
G03	UA	E008	Boron, total	mg/L	03/05/21 - 01/28/25	18	0	CI around geomean	0.241	0.0531
G03	UA	E008	Cadmium, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.001	0.00100
G03	UA	E008	Chloride, total	mg/L	03/05/21 - 01/28/25	18	0	CI around mean	21.2	32.0
G03	UA	E008	Chromium, total	mg/L	03/05/21 - 01/28/25	18	6	CI around mean	0.00466	0.00390
G03	UA	E008	Cobalt, total	mg/L	03/05/21 - 01/28/25	18	22	CI around geomean	0.00171	0.00150
G03	UA	E008	Fluoride, total	mg/L	03/05/21 - 01/28/25	18	11	CI around mean	0.196	0.250
G03	UA	E008	Lead, total	mg/L	03/05/21 - 01/28/25	18	33	CI around geomean	0.0013	0.00150
G03	UA	E008	Lithium, total	mg/L	03/05/21 - 01/28/25	18	67	CI around median	0.003	0.003
G03	UA	E008	Mercury, total	mg/L	03/05/21 - 01/28/25	18	94	CI around median	0.0002	0.0002
G03	UA	E008	Molybdenum, total	mg/L	03/05/21 - 01/28/25	18	89	CI around median	0.0015	0.00150
G03	UA	E008	pH (field)	SU	03/05/21 - 01/28/25	18	0	CI around mean	6.2/6.4	6.0/6.8
G03	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 01/28/25	18	0	CI around mean	0.553	1.70
G03	UA	E008	Selenium, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.001	0.00420
G03	UA	E008	Sulfate, total	mg/L	03/05/21 - 01/28/25	18	0	CI around geomean	71.2	39.0
G03	UA	E008	Thallium, total	mg/L	03/05/21 - 01/28/25	18	100	All ND - Last	0.002	0.00200
G03	UA	E008	Total Dissolved Solids	mg/L	03/05/21 - 01/28/25	18	0	CI around mean	290	334
G05	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.001
G05	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	78	CI around median	0.001	0.00170
G05	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	0.187	0.254
G05	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.00110
G05	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.0205	0.0531
G05	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.00100
G05	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	18.9	32.0

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G05	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	61	CI around median	0.0015	0.00390
G05	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.0012	0.00150
G05	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	11	CI around mean	0.311	0.250
G05	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.00150
G05	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	67	CI around median	0.003	0.003
G05	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.0002
G05	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	6	CI around mean	0.00405	0.00150
G05	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around mean	6.4/6.5	6.0/6.8
G05	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CI around geomean	0.542	1.70
G05	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	33	CB around linear reg	0.000378	0.00420
G05	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	85.3	39.0
G05	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.002	0.00200
G05	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	355	334
G06	UA	E008	Antimony, total	mg/L	03/04/21 - 01/29/25	18	89	CI around median	0.001	0.001
G06	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.001	0.00170
G06	UA	E008	Barium, total	mg/L	03/04/21 - 01/29/25	18	0	CI around median	0.028	0.254
G06	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.00110
G06	UA	E008	Boron, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	3.06	0.0531
G06	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.00100
G06	UA	E008	Chloride, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	17	32.0
G06	UA	E008	Chromium, total	mg/L	03/04/21 - 01/29/25	18	22	CI around geomean	0.00206	0.00390
G06	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.001	0.00150
G06	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/29/25	18	11	CI around mean	0.253	0.250
G06	UA	E008	Lead, total	mg/L	03/04/21 - 01/29/25	18	61	CI around median	0.001	0.00150
G06	UA	E008	Lithium, total	mg/L	03/04/21 - 01/29/25	18	17	CI around median	0.0037	0.003
G06	UA	E008	Mercury, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0002	0.0002
G06	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0015	0.00150

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EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G06	UA	E008	pH (field)	SU	03/04/21 - 01/29/25	17	0	CI around mean	6.5/6.6	6.0/6.8
G06	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/29/25	18	0	CB around T-S line	1.09	1.70
G06	UA	E008	Selenium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.00420
G06	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	165	39.0
G06	UA	E008	Thallium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.002	0.00200
G06	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	490	334
G07	UA	E008	Antimony, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.001
G07	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/29/25	18	61	CI around median	0.001	0.00170
G07	UA	E008	Barium, total	mg/L	03/04/21 - 01/29/25	18	0	CI around geomean	0.0506	0.254
G07	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/29/25	18	83	CI around median	0.001	0.00110
G07	UA	E008	Boron, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	4.32	0.0531
G07	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.00100
G07	UA	E008	Chloride, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	19.4	32.0
G07	UA	E008	Chromium, total	mg/L	03/04/21 - 01/29/25	18	28	CI around geomean	0.00298	0.00390
G07	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/29/25	18	6	CI around mean	0.00173	0.00150
G07	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/29/25	18	11	CI around median	0.38	0.250
G07	UA	E008	Lead, total	mg/L	03/04/21 - 01/29/25	18	56	CI around median	0.001	0.00150
G07	UA	E008	Lithium, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.003	0.003
G07	UA	E008	Mercury, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0002	0.0002
G07	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/29/25	18	83	CI around median	0.0015	0.00150
G07	UA	E008	pH (field)	SU	03/04/21 - 01/29/25	18	0	CI around median	6.2/6.4	6.0/6.8
G07	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/29/25	18	0	CB around linear reg	0.9	1.70
G07	UA	E008	Selenium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.00420
G07	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	256	39.0
G07	UA	E008	Thallium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.002	0.00200
G07	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	584	334
G08	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.001

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EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G08	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	6	CI around mean	0.0064	0.00170
G08	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	0.0529	0.254
G08	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.00110
G08	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	4.42	0.0531
G08	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.00100
G08	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	13.4	32.0
G08	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	11	CI around geomean	0.00201	0.00390
G08	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	6	CI around geomean	0.00367	0.00150
G08	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	11	CB around linear reg	0.213	0.250
G08	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	72	CI around median	0.001	0.00150
G08	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	72	CI around median	0.003	0.003
G08	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.0002
G08	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	17	CI around median	0.0017	0.00150
G08	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around median	6.9/7.0	6.0/6.8
G08	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CB around T-S line	1.01	1.70
G08	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.00420
G08	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	311	39.0
G08	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.002	0.00200
G08	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	638	334
G09	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	89	CI around median	0.001	0.001
G09	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	11	CI around geomean	0.00226	0.00170
G09	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CI around mean	0.0388	0.254
G09	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	67	CI around median	0.001	0.00110
G09	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CI around median	3.26	0.0531
G09	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.00100
G09	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	11.1	32.0
G09	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	17	CI around geomean	0.00199	0.00390

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JOPPA POWER PLANT
EAST ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G09	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.000875	0.00150
G09	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	11	CI around mean	0.274	0.250
G09	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	61	CI around median	0.001	0.00150
G09	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	11	CI around median	0.0035	0.003
G09	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.0002
G09	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.0015	0.00150
G09	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around median	6.1/6.3	6.0/6.8
G09	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CI around geomean	0.319	1.70
G09	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.001	0.00420
G09	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CB around T-S line	170	39.0
G09	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.002	0.00200
G09	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	421	334
G10	UA	E008	Antimony, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.001
G10	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/28/25	18	22	CB around T-S line	0.00257	0.00170
G10	UA	E008	Barium, total	mg/L	03/04/21 - 01/28/25	18	0	CI around geomean	0.0409	0.254
G10	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/28/25	18	78	CI around median	0.001	0.00110
G10	UA	E008	Boron, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	1.06	0.0531
G10	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.00100
G10	UA	E008	Chloride, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	13.8	32.0
G10	UA	E008	Chromium, total	mg/L	03/04/21 - 01/28/25	18	28	CI around geomean	0.00193	0.00390
G10	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	-0.000507	0.00150
G10	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/28/25	18	6	CI around median	0.28	0.250
G10	UA	E008	Lead, total	mg/L	03/04/21 - 01/28/25	18	72	CI around median	0.001	0.00150
G10	UA	E008	Lithium, total	mg/L	03/04/21 - 01/28/25	18	28	CB around T-S line	0.0036	0.003
G10	UA	E008	Mercury, total	mg/L	03/04/21 - 01/28/25	18	94	CI around median	0.0002	0.0002
G10	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/28/25	18	50	CI around median	0.0015	0.00150
G10	UA	E008	pH (field)	SU	03/04/21 - 01/28/25	18	0	CI around mean	6.4/6.6	6.0/6.8

ATTACHMENT B.
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EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G10	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/28/25	18	0	CB around T-S line	1.03	1.70
G10	UA	E008	Selenium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.001	0.00420
G10	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/28/25	18	0	CB around linear reg	267	39.0
G10	UA	E008	Thallium, total	mg/L	03/04/21 - 01/28/25	18	100	All ND - Last	0.002	0.00200
G10	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/28/25	18	0	CI around median	752	334
G11	UA	E008	Antimony, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.001
G11	UA	E008	Arsenic, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.00170
G11	UA	E008	Barium, total	mg/L	03/04/21 - 01/29/25	18	0	CI around geomean	0.016	0.254
G11	UA	E008	Beryllium, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.001	0.00110
G11	UA	E008	Boron, total	mg/L	03/04/21 - 01/29/25	18	0	CI around mean	0.296	0.0531
G11	UA	E008	Cadmium, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.001	0.00100
G11	UA	E008	Chloride, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	17	32.0
G11	UA	E008	Chromium, total	mg/L	03/04/21 - 01/29/25	18	78	CI around median	0.0015	0.00390
G11	UA	E008	Cobalt, total	mg/L	03/04/21 - 01/29/25	18	44	CI around median	0.001	0.00150
G11	UA	E008	Fluoride, total	mg/L	03/04/21 - 01/29/25	18	11	CI around mean	0.177	0.250
G11	UA	E008	Lead, total	mg/L	03/04/21 - 01/29/25	18	89	CI around median	0.001	0.00150
G11	UA	E008	Lithium, total	mg/L	03/04/21 - 01/29/25	18	11	CI around median	0.0039	0.003
G11	UA	E008	Mercury, total	mg/L	03/04/21 - 01/29/25	18	100	All ND - Last	0.0002	0.0002
G11	UA	E008	Molybdenum, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.0015	0.00150
G11	UA	E008	pH (field)	SU	03/04/21 - 01/29/25	18	0	CI around median	5.8/6.0	6.0/6.8
G11	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 01/29/25	18	0	CI around geomean	0.274	1.70
G11	UA	E008	Selenium, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	-0.00248	0.00420
G11	UA	E008	Sulfate, total	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	-13.1	39.0
G11	UA	E008	Thallium, total	mg/L	03/04/21 - 01/29/25	18	94	CI around median	0.002	0.00200
G11	UA	E008	Total Dissolved Solids	mg/L	03/04/21 - 01/29/25	18	0	CB around linear reg	186	334
G51D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.001
G51D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/29/25	28	100	All ND - Last	0.001	0.00170

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G51D	UA	E008	Barium, total	mg/L	12/03/15 - 01/29/25	28	0	CB around T-S line	0.0188	0.254
G51D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.00110
G51D	UA	E008	Boron, total	mg/L	12/03/15 - 01/29/25	29	0	CB around T-S line	0.644	0.0531
G51D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.00100
G51D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/29/25	29	7	CB around T-S line	1.77	32.0
G51D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/29/25	28	64	CB around T-S line	0.0015	0.00390
G51D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/29/25	28	25	CB around T-S line	-0.00844	0.00150
G51D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/29/25	29	83	CI around median	0.1	0.250
G51D	UA	E008	Lead, total	mg/L	12/03/15 - 01/29/25	28	96	CI around median	0.001	0.00150
G51D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/29/25	28	4	CB around T-S line	0.00568	0.003
G51D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.0002	0.0002
G51D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/29/25	24	96	CB around T-S line	0.00144	0.00150
G51D	UA	E008	pH (field)	SU	12/03/15 - 01/29/25	29	0	CB around T-S line	5.1/5.4	6.0/6.8
G51D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/29/25	28	0	CI around mean	0.495	1.70
G51D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/29/25	28	4	CB around T-S line	0.00488	0.00420
G51D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/29/25	29	0	CB around T-S line	96.9	39.0
G51D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.002	0.00200
G51D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/29/25	29	0	CI around mean	309	334
G52D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.001	0.001
G52D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/30/25	27	7	CB around linear reg	-0.000484	0.00170
G52D	UA	E008	Barium, total	mg/L	12/03/15 - 01/30/25	27	0	CB around T-S line	0.12	0.254
G52D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.001	0.00110
G52D	UA	E008	Boron, total	mg/L	12/03/15 - 01/30/25	28	89	CI around median	0.025	0.0531
G52D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.001	0.00100
G52D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/30/25	28	0	CB around linear reg	7.35	32.0
G52D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/30/25	27	100	All ND - Last	0.0015	0.00390
G52D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/30/25	27	0	CI around mean	0.00304	0.00150

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G52D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/30/25	28	7	CI around median	0.25	0.250
G52D	UA	E008	Lead, total	mg/L	12/03/15 - 01/30/25	27	100	All ND - Last	0.001	0.00150
G52D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/30/25	27	48	CI around median	0.003	0.003
G52D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/30/25	22	96	Most recent sample	0.0002	0.0002
G52D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/30/25	23	83	CI around median	0.0015	0.00150
G52D	UA	E008	pH (field)	SU	12/03/15 - 01/30/25	28	0	CI around mean	6.3/6.4	6.0/6.8
G52D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/30/25	27	0	CI around mean	0.941	1.70
G52D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/30/25	27	96	CI around median	0.001	0.00420
G52D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/30/25	28	0	CB around T-S line	27.4	39.0
G52D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/30/25	22	100	All ND - Last	0.002	0.00200
G52D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/30/25	28	0	CB around linear reg	272	334
G53D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.001	0.001
G53D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/30/25	28	100	All ND - Last	0.001	0.00170
G53D	UA	E008	Barium, total	mg/L	12/03/15 - 01/30/25	28	0	CB around T-S line	0.0026	0.254
G53D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.001	0.00110
G53D	UA	E008	Boron, total	mg/L	12/03/15 - 01/30/25	29	0	CI around median	0.341	0.0531
G53D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.001	0.00100
G53D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/30/25	29	0	CB around T-S line	14.5	32.0
G53D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/30/25	28	82	CB around T-S line	0.0015	0.00390
G53D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/30/25	28	14	CI around geomean	0.00122	0.00150
G53D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/30/25	29	0	CI around mean	0.64	0.250
G53D	UA	E008	Lead, total	mg/L	12/03/15 - 01/30/25	28	100	All ND - Last	0.001	0.00150
G53D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/30/25	28	64	CB around T-S line	0.00296	0.003
G53D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/30/25	23	96	CI around median	0.0002	0.0002
G53D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/30/25	24	92	CB around T-S line	0.00148	0.00150
G53D	UA	E008	pH (field)	SU	12/03/15 - 01/30/25	29	0	CB around T-S line	6.2/6.4	6.0/6.8
G53D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/30/25	28	0	CI around mean	0.395	1.70

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G53D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/30/25	28	100	All ND - Last	0.001	0.00420
G53D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/30/25	29	0	CB around T-S line	43.2	39.0
G53D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/30/25	23	100	All ND - Last	0.002	0.00200
G53D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/30/25	29	0	CB around T-S line	268	334
G54D	UA	E008	Antimony, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.001
G54D	UA	E008	Arsenic, total	mg/L	12/03/15 - 01/29/25	28	57	CB around T-S line	-0.000105	0.00170
G54D	UA	E008	Barium, total	mg/L	12/03/15 - 01/29/25	28	0	CB around T-S line	0.0558	0.254
G54D	UA	E008	Beryllium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.00110
G54D	UA	E008	Boron, total	mg/L	12/03/15 - 01/29/25	29	3	CI around mean	0.47	0.0531
G54D	UA	E008	Cadmium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.001	0.00100
G54D	UA	E008	Chloride, total	mg/L	12/03/15 - 01/29/25	29	3	CB around T-S line	15.7	32.0
G54D	UA	E008	Chromium, total	mg/L	12/03/15 - 01/29/25	28	68	CI around median	0.0015	0.00390
G54D	UA	E008	Cobalt, total	mg/L	12/03/15 - 01/29/25	28	4	CB around linear reg	0.00286	0.00150
G54D	UA	E008	Fluoride, total	mg/L	12/03/15 - 01/29/25	29	7	CB around linear reg	0.253	0.250
G54D	UA	E008	Lead, total	mg/L	12/03/15 - 01/29/25	28	93	CI around median	0.001	0.00150
G54D	UA	E008	Lithium, total	mg/L	12/03/15 - 01/29/25	28	18	CB around linear reg	0.00192	0.003
G54D	UA	E008	Mercury, total	mg/L	12/03/15 - 01/29/25	23	96	CI around median	0.0002	0.0002
G54D	UA	E008	Molybdenum, total	mg/L	12/03/15 - 01/29/25	24	92	CB around T-S line	0.00144	0.00150
G54D	UA	E008	pH (field)	SU	12/03/15 - 01/29/25	29	0	CI around mean	6.6/6.8	6.0/6.8
G54D	UA	E008	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 01/29/25	28	0	CI around geomean	0.511	1.70
G54D	UA	E008	Selenium, total	mg/L	12/03/15 - 01/29/25	28	96	CI around median	0.001	0.00420
G54D	UA	E008	Sulfate, total	mg/L	12/03/15 - 01/29/25	29	0	CB around T-S line	165	39.0
G54D	UA	E008	Thallium, total	mg/L	12/03/15 - 01/29/25	23	100	All ND - Last	0.002	0.00200
G54D	UA	E008	Total Dissolved Solids	mg/L	12/03/15 - 01/29/25	29	0	CI around median	486	334

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COMPARISON TO BACKGROUND - QUARTER 1, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic 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 linear reg = Confidence band around linear regression

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

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G03	UA	E009	Antimony, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G03	UA	E009	Arsenic, total	mg/L	03/05/21 - 04/21/25	19	37	CI around geomean	0.00123	0.00170
G03	UA	E009	Barium, total	mg/L	03/05/21 - 04/21/25	19	0	CB around linear reg	0.0378	0.254
G03	UA	E009	Beryllium, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.001	0.00110
G03	UA	E009	Boron, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	0.244	0.0531
G03	UA	E009	Cadmium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G03	UA	E009	Chloride, total	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	21.5	32.0
G03	UA	E009	Chromium, total	mg/L	03/05/21 - 04/21/25	19	5	CI around mean	0.00516	0.00390
G03	UA	E009	Cobalt, total	mg/L	03/05/21 - 04/21/25	19	21	CI around geomean	0.00182	0.00150
G03	UA	E009	Fluoride, total	mg/L	03/05/21 - 04/21/25	19	16	CI around median	0.2	0.250
G03	UA	E009	Lead, total	mg/L	03/05/21 - 04/21/25	19	32	CI around geomean	0.00136	0.00150
G03	UA	E009	Lithium, total	mg/L	03/05/21 - 04/21/25	19	63	CI around median	0.003	0.003
G03	UA	E009	Mercury, total	mg/L	03/05/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G03	UA	E009	Molybdenum, total	mg/L	03/05/21 - 04/21/25	19	90	CI around median	0.0015	0.00150
G03	UA	E009	pH (field)	SU	03/05/21 - 04/21/25	19	0	CI around mean	6.2/6.4	6.0/6.8
G03	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 04/21/25	19	0	CI around mean	0.536	1.70
G03	UA	E009	Selenium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G03	UA	E009	Sulfate, total	mg/L	03/05/21 - 04/21/25	19	0	CI around geomean	72.5	39.0
G03	UA	E009	Thallium, total	mg/L	03/05/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G03	UA	E009	Total Dissolved Solids	mg/L	03/05/21 - 04/21/25	19	0	CI around mean	294	334
G05	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G05	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.00170
G05	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.193	0.254
G05	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00110
G05	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.0206	0.0531
G05	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G05	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	18.2	32.0

ATTACHMENT B.
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G05	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.0015	0.00390
G05	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.000882	0.00150
G05	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CB around linear reg	0.419	0.250
G05	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.00150
G05	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	63	CI around median	0.003	0.003
G05	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G05	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00411	0.00150
G05	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.5	6.0/6.8
G05	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.562	1.70
G05	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	32	CB around linear reg	0.000381	0.00420
G05	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	85.6	39.0
G05	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.00200
G05	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	357	334
G06	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.001
G06	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.00170
G06	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0309	0.254
G06	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00110
G06	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	3.07	0.0531
G06	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	3.02	0.0531
G06	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G06	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	16.7	32.0
G06	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	16.2	32.0
G06	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	21	CI around geomean	0.00221	0.00390
G06	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.00150
G06	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.26	0.250
G06	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around median	0.26	0.250
G06	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.00150

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G06	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.0037	0.003
G06	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G06	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.00150
G06	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	18	0	CI around mean	6.5/6.6	6.0/6.8
G06	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	19	0	CI around mean	6.5/6.6	6.0/6.8
G06	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	1.09	1.70
G06	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G06	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	163	39.0
G06	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	161	39.0
G06	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G06	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	493	334
G06	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	497	334
G07	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.001
G07	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	58	CI around median	0.001	0.00170
G07	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.0533	0.254
G07	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.001	0.00110
G07	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.34	0.0531
G07	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	4.3	0.0531
G07	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G07	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	19.3	32.0
G07	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	19	32.0
G07	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00329	0.00390
G07	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.00189	0.00150
G07	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.4	0.250
G07	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	20	CB around T-S line	0.394	0.250
G07	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	53	CI around median	0.001	0.00150
G07	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.003	0.003

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G07	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G07	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	79	CI around median	0.0015	0.00150
G07	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.2/6.4	6.0/6.8
G07	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around median	6.2/6.4	6.0/6.8
G07	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.871	1.70
G07	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G07	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	258	39.0
G07	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CI around mean	257	39.0
G07	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G07	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	575	334
G07	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	575	334
G08	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G08	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	5	CI around mean	0.0062	0.00170
G08	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.0527	0.254
G08	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00110
G08	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	4.4	0.0531
G08	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	4.45	0.0531
G08	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00100
G08	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	13.4	32.0
G08	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CI around mean	13.4	32.0
G08	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around geomean	0.00205	0.00390
G08	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	5	CI around geomean	0.00369	0.00150
G08	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around geomean	0.267	0.250
G08	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.268	0.250
G08	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.00150
G08	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.003	0.003
G08	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G08	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	21	CI around median	0.0017	0.00150
G08	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	6.8/7.0	6.0/6.8
G08	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.8/7.0	6.0/6.8
G08	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.425	1.70
G08	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00420
G08	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	298	39.0
G08	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	314	39.0
G08	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G08	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	626	334
G08	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	647	334
G09	UA	E009	Antimony, total	mg/L	03/04/21 - 04/22/25	19	90	CI around median	0.001	0.001
G09	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/22/25	19	10	CI around geomean	0.00235	0.00170
G09	UA	E009	Barium, total	mg/L	03/04/21 - 04/22/25	19	0	CI around mean	0.0392	0.254
G09	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/22/25	19	68	CI around median	0.001	0.00110
G09	UA	E009	Boron, total	mg/L	03/04/21 - 04/22/25	19	0	CI around median	3.2	0.0531
G09	UA	E009R	Boron, total	mg/L	03/04/21 - 06/09/25	20	0	CI around median	3.19	0.0531
G09	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.001	0.00100
G09	UA	E009	Chloride, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	10.8	32.0
G09	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	10.7	32.0
G09	UA	E009	Chromium, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.00201	0.00390
G09	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	-0.00076	0.00150
G09	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/22/25	19	16	CI around geomean	0.257	0.250
G09	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/09/25	20	20	CI around geomean	0.258	0.250
G09	UA	E009	Lead, total	mg/L	03/04/21 - 04/22/25	19	58	CI around median	0.001	0.00150
G09	UA	E009	Lithium, total	mg/L	03/04/21 - 04/22/25	19	10	CI around median	0.0035	0.003
G09	UA	E009	Mercury, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.0002	0.0002
G09	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.0015	0.00150

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G09	UA	E009	pH (field)	SU	03/04/21 - 04/22/25	19	0	CI around median	6.0/6.3	6.0/6.8
G09	UA	E009R	pH (field)	SU	03/04/21 - 06/09/25	20	0	CI around median	6.0/6.3	6.0/6.8
G09	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/22/25	19	0	CI around geomean	0.335	1.70
G09	UA	E009	Selenium, total	mg/L	03/04/21 - 04/22/25	19	95	CI around median	0.001	0.00420
G09	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	195	39.0
G09	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	195	39.0
G09	UA	E009	Thallium, total	mg/L	03/04/21 - 04/22/25	19	100	All ND - Last	0.002	0.00200
G09	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/22/25	19	0	CB around linear reg	422	334
G09	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/09/25	20	0	CB around linear reg	425	334
G10	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.001
G10	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	21	CB around T-S line	0.00409	0.00170
G10	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0385	0.254
G10	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.001	0.00110
G10	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	0.906	0.0531
G10	UA	E009R	Boron, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	0.951	0.0531
G10	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G10	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	12.6	32.0
G10	UA	E009R	Chloride, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	12.4	32.0
G10	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	26	CI around geomean	0.00209	0.00390
G10	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.00424	0.00150
G10	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	5	CI around median	0.28	0.250
G10	UA	E009R	Fluoride, total	mg/L	03/04/21 - 06/10/25	20	5	CB around linear reg	0.487	0.250
G10	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	68	CI around median	0.001	0.00150
G10	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	26	CB around T-S line	0.00441	0.003
G10	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.0002	0.0002
G10	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	47	CI around median	0.0015	0.00150
G10	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around mean	6.4/6.6	6.0/6.8

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G10	UA	E009R	pH (field)	SU	03/04/21 - 06/10/25	20	0	CI around mean	6.4/6.6	6.0/6.8
G10	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CB around T-S line	0.95	1.70
G10	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.00420
G10	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	252	39.0
G10	UA	E009R	Sulfate, total	mg/L	03/04/21 - 06/10/25	20	0	CB around linear reg	255	39.0
G10	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.002	0.00200
G10	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CI around median	750	334
G10	UA	E009R	Total Dissolved Solids	mg/L	03/04/21 - 06/10/25	20	0	CI around median	750	334
G11	UA	E009	Antimony, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.001	0.001
G11	UA	E009	Arsenic, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.00170
G11	UA	E009	Barium, total	mg/L	03/04/21 - 04/21/25	19	0	CI around median	0.0164	0.254
G11	UA	E009	Beryllium, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.001	0.00110
G11	UA	E009	Boron, total	mg/L	03/04/21 - 04/21/25	19	0	CI around mean	0.301	0.0531
G11	UA	E009	Cadmium, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.001	0.00100
G11	UA	E009	Chloride, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	17.9	32.0
G11	UA	E009	Chromium, total	mg/L	03/04/21 - 04/21/25	19	74	CI around median	0.0015	0.00390
G11	UA	E009	Cobalt, total	mg/L	03/04/21 - 04/21/25	19	42	CI around median	0.001	0.00150
G11	UA	E009	Fluoride, total	mg/L	03/04/21 - 04/21/25	19	16	CI around median	0.18	0.250
G11	UA	E009	Lead, total	mg/L	03/04/21 - 04/21/25	19	84	CI around median	0.001	0.00150
G11	UA	E009	Lithium, total	mg/L	03/04/21 - 04/21/25	19	10	CI around median	0.0039	0.003
G11	UA	E009	Mercury, total	mg/L	03/04/21 - 04/21/25	19	100	All ND - Last	0.0002	0.0002
G11	UA	E009	Molybdenum, total	mg/L	03/04/21 - 04/21/25	19	90	CI around median	0.0015	0.00150
G11	UA	E009	pH (field)	SU	03/04/21 - 04/21/25	19	0	CI around median	5.8/6.0	6.0/6.8
G11	UA	E009	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 04/21/25	19	0	CI around geomean	0.296	1.70
G11	UA	E009	Selenium, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	-0.00223	0.00420
G11	UA	E009	Sulfate, total	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	2.28	39.0
G11	UA	E009	Thallium, total	mg/L	03/04/21 - 04/21/25	19	95	CI around median	0.002	0.00200

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G11	UA	E009	Total Dissolved Solids	mg/L	03/04/21 - 04/21/25	19	0	CB around linear reg	219	334
G51D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.001
G51D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00170
G51D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.0187	0.254
G51D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00110
G51D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	0.707	0.0531
G51D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00100
G51D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	10	CB around T-S line	1.68	32.0
G51D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	62	CB around T-S line	0.0015	0.00390
G51D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	24	CB around T-S line	-0.00801	0.00150
G51D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	83	CB around T-S line	0.1	0.250
G51D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	97	CI around median	0.001	0.00150
G51D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00566	0.003
G51D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.0002	0.0002
G51D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	96	CB around T-S line	0.00145	0.00150
G51D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	5.1/5.4	6.0/6.8
G51D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around mean	0.473	1.70
G51D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	3	CB around T-S line	0.00485	0.00420
G51D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	95.2	39.0
G51D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.00200
G51D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	309	334
G52D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.001
G52D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	28	7	CB around linear reg	-0.000471	0.00170
G52D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	28	0	CB around T-S line	0.155	0.254
G52D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.00110
G52D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	29	86	CI around median	0.025	0.0531
G52D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.001	0.00100

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G52D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	7.48	32.0
G52D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.0015	0.00390
G52D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	28	0	CI around mean	0.00307	0.00150
G52D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	29	10	CI around median	0.25	0.250
G52D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	28	100	All ND - Last	0.001	0.00150
G52D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	28	50	CI around median	0.003	0.003
G52D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	23	96	Most recent sample	0.0002	0.0002
G52D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	24	83	CI around median	0.0015	0.00150
G52D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	29	0	CI around mean	6.3/6.4	6.0/6.8
G52D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	28	0	CI around mean	0.939	1.70
G52D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	28	96	CI around median	0.001	0.00420
G52D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	22.9	39.0
G52D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	23	100	All ND - Last	0.002	0.00200
G52D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	29	0	CB around linear reg	273	334
G53D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.001
G53D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00170
G53D	UA	E009	Barium, total	mg/L	12/03/15 - 04/21/25	29	0	CB around T-S line	0.00342	0.254
G53D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00110
G53D	UA	E009	Boron, total	mg/L	12/03/15 - 04/21/25	30	0	CI around median	0.341	0.0531
G53D	UA	E009R	Boron, total	mg/L	12/03/15 - 06/09/25	31	0	CI around median	0.341	0.0531
G53D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.001	0.00100
G53D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	14.7	32.0
G53D	UA	E009R	Chloride, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	14.7	32.0
G53D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/21/25	29	83	CB around T-S line	0.0015	0.00390
G53D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/21/25	29	14	CI around geomean	0.00121	0.00150
G53D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/21/25	30	0	CI around mean	0.641	0.250
G53D	UA	E009R	Fluoride, total	mg/L	12/03/15 - 06/09/25	31	0	CI around mean	0.644	0.250

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G53D	UA	E009	Lead, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00150
G53D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/21/25	29	66	CB around T-S line	0.00297	0.003
G53D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/21/25	24	96	CI around median	0.0002	0.0002
G53D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/21/25	25	92	CB around T-S line	0.0015	0.00150
G53D	UA	E009	pH (field)	SU	12/03/15 - 04/21/25	30	0	CB around T-S line	6.2/6.4	6.0/6.8
G53D	UA	E009R	pH (field)	SU	12/03/15 - 06/09/25	31	0	CB around T-S line	6.2/6.4	6.0/6.8
G53D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/21/25	29	0	CI around geomean	0.262	1.70
G53D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/21/25	29	100	All ND - Last	0.001	0.00420
G53D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	42	39.0
G53D	UA	E009R	Sulfate, total	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	41.4	39.0
G53D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/21/25	24	100	All ND - Last	0.002	0.00200
G53D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/21/25	30	0	CB around T-S line	280	334
G53D	UA	E009R	Total Dissolved Solids	mg/L	12/03/15 - 06/09/25	31	0	CB around T-S line	274	334
G54D	UA	E009	Antimony, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.001
G54D	UA	E009	Arsenic, total	mg/L	12/03/15 - 04/22/25	29	59	CB around T-S line	-0.000101	0.00170
G54D	UA	E009	Barium, total	mg/L	12/03/15 - 04/22/25	29	0	CB around T-S line	0.0547	0.254
G54D	UA	E009	Beryllium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.00110
G54D	UA	E009	Boron, total	mg/L	12/03/15 - 04/22/25	30	7	CI around mean	0.445	0.0531
G54D	UA	E009	Cadmium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.001	0.00100
G54D	UA	E009	Chloride, total	mg/L	12/03/15 - 04/22/25	30	3	CB around T-S line	17	32.0
G54D	UA	E009	Chromium, total	mg/L	12/03/15 - 04/22/25	29	69	CI around median	0.0015	0.00390
G54D	UA	E009	Cobalt, total	mg/L	12/03/15 - 04/22/25	29	7	CB around linear reg	0.00202	0.00150
G54D	UA	E009	Fluoride, total	mg/L	12/03/15 - 04/22/25	30	7	CB around T-S line	0.249	0.250
G54D	UA	E009	Lead, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.00150
G54D	UA	E009	Lithium, total	mg/L	12/03/15 - 04/22/25	29	21	CB around linear reg	0.00191	0.003
G54D	UA	E009	Mercury, total	mg/L	12/03/15 - 04/22/25	24	96	CI around median	0.0002	0.0002
G54D	UA	E009	Molybdenum, total	mg/L	12/03/15 - 04/22/25	25	88	CB around T-S line	0.00147	0.00150

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 2, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G54D	UA	E009	pH (field)	SU	12/03/15 - 04/22/25	30	0	CB around linear reg	6.4/6.7	6.0/6.8
G54D	UA	E009	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 04/22/25	29	0	CI around geomean	0.526	1.70
G54D	UA	E009	Selenium, total	mg/L	12/03/15 - 04/22/25	29	93	CI around median	0.001	0.00420
G54D	UA	E009	Sulfate, total	mg/L	12/03/15 - 04/22/25	30	0	CI around median	149	39.0
G54D	UA	E009	Thallium, total	mg/L	12/03/15 - 04/22/25	24	100	All ND - Last	0.002	0.00200
G54D	UA	E009	Total Dissolved Solids	mg/L	12/03/15 - 04/22/25	30	0	CI around median	482	334

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:
E009 = Quarter 2, 2025 sampling event
E009R = Quarter 2, 2025 resampling event

HSU = hydrostratigraphic 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 linear reg = Confidence band around linear regression
CB around T-S line = Confidence band around Thiel-Sen line
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
Statistical Result Code (if applicable):
NR¹ = Parameter not analyzed.
NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS³ = The location was not accessible; therefore, a sample was not collected.
NS⁴ = The location could not be found; therefore, a sample was not collected.
NS⁵ = The location was damaged; therefore, a sample was not collected.
NS⁶ = Sampling pump could not yield a sample.
NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS⁸ = A sample was not collected.
PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G03	UA	E010	Antimony, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.001	0.001
G03	UA	E010	Arsenic, total	mg/L	03/05/21 - 08/05/25	20	35	CI around median	0.001	0.00170
G03	UA	E010	Barium, total	mg/L	03/05/21 - 08/05/25	20	0	CB around linear reg	0.0364	0.254
G03	UA	E010	Beryllium, total	mg/L	03/05/21 - 08/05/25	20	95	CI around median	0.001	0.00110
G03	UA	E010	Boron, total	mg/L	03/05/21 - 08/05/25	20	0	CI around geomean	0.245	0.0531
G03	UA	E010	Cadmium, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.001	0.00100
G03	UA	E010	Chloride, total	mg/L	03/05/21 - 08/05/25	20	0	CI around mean	21.9	32.0
G03	UA	E010	Chromium, total	mg/L	03/05/21 - 08/05/25	20	5	CI around mean	0.00512	0.00390
G03	UA	E010	Cobalt, total	mg/L	03/05/21 - 08/05/25	20	20	CI around geomean	0.00174	0.00150
G03	UA	E010	Fluoride, total	mg/L	03/05/21 - 08/05/25	20	20	CI around median	0.2	0.250
G03	UA	E010	Lead, total	mg/L	03/05/21 - 08/05/25	20	30	CI around geomean	0.00138	0.00150
G03	UA	E010	Lithium, total	mg/L	03/05/21 - 08/05/25	20	60	CI around median	0.003	0.003
G03	UA	E010	Mercury, total	mg/L	03/05/21 - 08/05/25	20	95	CI around median	0.0002	0.0002
G03	UA	E010	Molybdenum, total	mg/L	03/05/21 - 08/05/25	20	90	CI around median	0.0015	0.00150
G03	UA	E010	pH (field)	SU	03/05/21 - 08/05/25	20	0	CI around mean	6.2/6.4	6.0/6.8
G03	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/05/21 - 08/05/25	20	0	CI around geomean	0.438	1.70
G03	UA	E010	Selenium, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.001	0.00420
G03	UA	E010	Sulfate, total	mg/L	03/05/21 - 08/05/25	20	0	CI around geomean	73.9	39.0
G03	UA	E010	Thallium, total	mg/L	03/05/21 - 08/05/25	20	100	All ND - Last	0.002	0.00200
G03	UA	E010	Total Dissolved Solids	mg/L	03/05/21 - 08/05/25	20	0	CI around mean	299	334
G05	UA	E010	Antimony, total	mg/L	03/04/21 - 08/06/25	20	100	All ND - Last	0.001	0.001
G05	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/06/25	20	70	CI around median	0.001	0.00170
G05	UA	E010	Barium, total	mg/L	03/04/21 - 08/06/25	20	0	CB around linear reg	0.195	0.254
G05	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/06/25	20	100	All ND - Last	0.001	0.00110
G05	UA	E010	Boron, total	mg/L	03/04/21 - 08/06/25	20	0	CB around linear reg	-0.0251	0.0531
G05	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/06/25	20	100	All ND - Last	0.001	0.00100
G05	UA	E010	Chloride, total	mg/L	03/04/21 - 08/06/25	20	0	CI around mean	18.3	32.0

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G05	UA	E010	Chromium, total	mg/L	03/04/21 - 08/06/25	20	55	CI around median	0.0015	0.00390
G05	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/06/25	20	0	CB around linear reg	-0.000884	0.00150
G05	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/06/25	20	20	CB around linear reg	0.436	0.250
G05	UA	E010	Lead, total	mg/L	03/04/21 - 08/06/25	20	90	CI around median	0.001	0.00150
G05	UA	E010	Lithium, total	mg/L	03/04/21 - 08/06/25	20	65	CI around median	0.003	0.003
G05	UA	E010	Mercury, total	mg/L	03/04/21 - 08/06/25	20	95	CI around median	0.0002	0.0002
G05	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/06/25	20	5	CI around mean	0.00412	0.00150
G05	UA	E010	pH (field)	SU	03/04/21 - 08/06/25	20	0	CI around mean	6.4/6.5	6.0/6.8
G05	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/06/25	20	0	CI around geomean	0.583	1.70
G05	UA	E010	Selenium, total	mg/L	03/04/21 - 08/06/25	20	35	CB around linear reg	0.000366	0.00420
G05	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/06/25	20	0	CI around mean	85.4	39.0
G05	UA	E010	Thallium, total	mg/L	03/04/21 - 08/06/25	20	95	CI around median	0.002	0.00200
G05	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/06/25	20	0	CI around mean	359	334
G06	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.001	0.001
G06	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	45	CI around median	0.001	0.00170
G06	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around median	0.028	0.254
G06	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.00110
G06	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	2.99	0.0531
G06	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00100
G06	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	16	32.0
G06	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	20	CI around geomean	0.00215	0.00390
G06	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	45	CI around median	0.001	0.00150
G06	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CI around median	0.26	0.250
G06	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	55	CI around median	0.001	0.00150
G06	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	15	CI around mean	0.00402	0.003
G06	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.0002
G06	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.0015	0.00150

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G06	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	20	0	CI around mean	6.5/6.6	6.0/6.8
G06	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CB around T-S line	1.21	1.70
G06	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00420
G06	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	162	39.0
G06	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.00200
G06	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	500	334
G07	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.001
G07	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	55	CI around median	0.001	0.00170
G07	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around geomean	0.0548	0.254
G07	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	80	CI around median	0.001	0.00110
G07	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	4.25	0.0531
G07	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00100
G07	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	18.7	32.0
G07	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	25	CI around geomean	0.00349	0.00390
G07	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	5	CI around mean	0.00191	0.00150
G07	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CB around T-S line	0.39	0.250
G07	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	50	CI around median	0.001	0.00150
G07	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	40	CI around median	0.003	0.003
G07	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.0002
G07	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	80	CI around median	0.0015	0.00150
G07	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CI around median	6.2/6.4	6.0/6.8
G07	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CB around linear reg	1.01	1.70
G07	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00420
G07	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	256	39.0
G07	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.00200
G07	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CB around T-S line	585	334
G08	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.001

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G08	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	5	CI around mean	0.0062	0.00170
G08	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.0518	0.254
G08	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.00110
G08	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	4.49	0.0531
G08	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.00100
G08	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CI around mean	13.3	32.0
G08	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	10	CI around geomean	0.00208	0.00390
G08	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	5	CI around geomean	0.00365	0.00150
G08	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CI around geomean	0.269	0.250
G08	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.001	0.00150
G08	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.003	0.003
G08	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.0002
G08	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	20	CI around median	0.0017	0.00150
G08	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CI around median	6.8/7.0	6.0/6.8
G08	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CI around geomean	0.446	1.70
G08	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00420
G08	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	323	39.0
G08	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.00200
G08	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	666	334
G09	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.001	0.001
G09	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	10	CI around geomean	0.00231	0.00170
G09	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.0389	0.254
G09	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.001	0.00110
G09	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CI around median	3.19	0.0531
G09	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00100
G09	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	10.6	32.0
G09	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	15	CI around geomean	0.00216	0.00390

ATTACHMENT B.
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G09	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	0	CB around T-S line	-0.00431	0.00150
G09	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	24	CI around geomean	0.258	0.250
G09	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	55	CI around median	0.001	0.00150
G09	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	10	CI around median	0.0035	0.003
G09	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.0002
G09	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.0015	0.00150
G09	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CB around T-S line	5.8/6.0	6.0/6.8
G09	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CI around geomean	0.357	1.70
G09	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.00420
G09	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	195	39.0
G09	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.00200
G09	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	431	334
G10	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.001
G10	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	20	CB around T-S line	0.00467	0.00170
G10	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around median	0.0385	0.254
G10	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.001	0.00110
G10	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	0.97	0.0531
G10	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00100
G10	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	13	32.0
G10	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	25	CI around geomean	0.00224	0.00390
G10	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.00441	0.00150
G10	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	21	5	CB around linear reg	0.554	0.250
G10	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	65	CI around median	0.001	0.00150
G10	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	25	CB around T-S line	0.0052	0.003
G10	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.0002	0.0002
G10	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	45	CI around median	0.0015	0.00150
G10	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	21	0	CB around linear reg	6.1/6.5	6.0/6.8

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G10	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CB around T-S line	1.54	1.70
G10	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.00420
G10	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	21	0	CB around linear reg	259	39.0
G10	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.002	0.00200
G10	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	21	0	CI around median	752	334
G11	UA	E010	Antimony, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.001	0.001
G11	UA	E010	Arsenic, total	mg/L	03/04/21 - 08/05/25	20	85	CI around median	0.001	0.00170
G11	UA	E010	Barium, total	mg/L	03/04/21 - 08/05/25	20	0	CI around median	0.0164	0.254
G11	UA	E010	Beryllium, total	mg/L	03/04/21 - 08/05/25	20	90	CI around median	0.001	0.00110
G11	UA	E010	Boron, total	mg/L	03/04/21 - 08/05/25	20	0	CI around mean	0.298	0.0531
G11	UA	E010	Cadmium, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.001	0.00100
G11	UA	E010	Chloride, total	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	17.9	32.0
G11	UA	E010	Chromium, total	mg/L	03/04/21 - 08/05/25	20	70	CI around median	0.0015	0.00390
G11	UA	E010	Cobalt, total	mg/L	03/04/21 - 08/05/25	20	40	CI around median	0.001	0.00150
G11	UA	E010	Fluoride, total	mg/L	03/04/21 - 08/05/25	20	20	CI around median	0.18	0.250
G11	UA	E010	Lead, total	mg/L	03/04/21 - 08/05/25	20	80	CI around median	0.001	0.00150
G11	UA	E010	Lithium, total	mg/L	03/04/21 - 08/05/25	20	10	CI around median	0.0039	0.003
G11	UA	E010	Mercury, total	mg/L	03/04/21 - 08/05/25	20	100	All ND - Last	0.0002	0.0002
G11	UA	E010	Molybdenum, total	mg/L	03/04/21 - 08/05/25	20	85	CI around median	0.0015	0.00150
G11	UA	E010	pH (field)	SU	03/04/21 - 08/05/25	20	0	CI around median	5.8/6.0	6.0/6.8
G11	UA	E010	Radium 226 + Radium 228, total	pCi/L	03/04/21 - 08/05/25	20	0	CI around mean	0.452	1.70
G11	UA	E010	Selenium, total	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	-0.00231	0.00420
G11	UA	E010	Sulfate, total	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	-4.24	39.0
G11	UA	E010	Thallium, total	mg/L	03/04/21 - 08/05/25	20	95	CI around median	0.002	0.00200
G11	UA	E010	Total Dissolved Solids	mg/L	03/04/21 - 08/05/25	20	0	CB around linear reg	232	334
G51D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.001
G51D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.00170

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G51D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	0.0218	0.254
G51D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.00110
G51D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	31	0	CB around T-S line	0.691	0.0531
G51D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.00100
G51D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	31	13	CB around T-S line	1.5	32.0
G51D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	30	60	CB around T-S line	0.0015	0.00390
G51D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	30	27	CB around T-S line	-0.0064	0.00150
G51D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	31	84	CB around T-S line	0.1	0.250
G51D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	30	97	CI around median	0.001	0.00150
G51D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	30	3	CB around T-S line	0.00569	0.003
G51D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.0002	0.0002
G51D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	26	96	CB around T-S line	0.00145	0.00150
G51D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	31	0	CB around T-S line	5.1/5.3	6.0/6.8
G51D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	30	0	CI around mean	0.499	1.70
G51D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	30	3	CB around T-S line	0.00499	0.00420
G51D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	31	0	CB around T-S line	95.5	39.0
G51D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.002	0.00200
G51D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	31	0	CI around mean	310	334
G52D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.001	0.001
G52D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	29	7	CB around linear reg	-0.000502	0.00170
G52D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	29	0	CB around T-S line	0.161	0.254
G52D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.001	0.00110
G52D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	30	87	CI around median	0.025	0.0531
G52D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.001	0.00100
G52D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	30	0	CB around linear reg	7.53	32.0
G52D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	29	100	All ND - Last	0.0015	0.00390
G52D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	29	0	CI around mean	0.00307	0.00150

ATTACHMENT B.
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G52D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	30	13	CI around median	0.25	0.250
G52D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	29	100	All ND - Last	0.001	0.00150
G52D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	29	48	CI around median	0.003	0.003
G52D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	24	96	Most recent sample	0.0002	0.0002
G52D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	25	84	CI around median	0.0015	0.00150
G52D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	30	0	CI around mean	6.3/6.4	6.0/6.8
G52D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	29	0	CI around mean	0.966	1.70
G52D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	29	97	CI around median	0.001	0.00420
G52D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	21.5	39.0
G52D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	24	100	All ND - Last	0.002	0.00200
G52D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	30	0	CB around linear reg	275	334
G53D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.001
G53D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.00170
G53D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	0.015	0.254
G53D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.00110
G53D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	32	0	CI around median	0.338	0.0531
G53D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.00100
G53D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	32	0	CB around T-S line	14.5	32.0
G53D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	30	83	CI around median	0.0015	0.00390
G53D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	30	17	CB around T-S line	-0.000996	0.00150
G53D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	32	0	CI around mean	0.644	0.250
G53D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.00150
G53D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	30	67	CB around T-S line	0.00297	0.003
G53D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	25	96	CI around median	0.0002	0.0002
G53D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	26	92	CB around T-S line	0.00148	0.00150
G53D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	32	0	CB around T-S line	6.2/6.4	6.0/6.8
G53D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	30	0	CI around geomean	0.274	1.70

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
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JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G53D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	30	100	All ND - Last	0.001	0.00420
G53D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	32	0	CB around T-S line	42.1	39.0
G53D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.002	0.00200
G53D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	32	0	CB around T-S line	281	334
G54D	UA	E010	Antimony, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.001
G54D	UA	E010	Arsenic, total	mg/L	12/03/15 - 08/05/25	30	57	CB around T-S line	0.0000542	0.00170
G54D	UA	E010	Barium, total	mg/L	12/03/15 - 08/05/25	30	0	CB around T-S line	0.0555	0.254
G54D	UA	E010	Beryllium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.00110
G54D	UA	E010	Boron, total	mg/L	12/03/15 - 08/05/25	31	6	CI around mean	0.449	0.0531
G54D	UA	E010	Cadmium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.001	0.00100
G54D	UA	E010	Chloride, total	mg/L	12/03/15 - 08/05/25	31	3	CB around T-S line	16.8	32.0
G54D	UA	E010	Chromium, total	mg/L	12/03/15 - 08/05/25	30	67	CI around median	0.0015	0.00390
G54D	UA	E010	Cobalt, total	mg/L	12/03/15 - 08/05/25	30	7	CB around linear reg	0.002	0.00150
G54D	UA	E010	Fluoride, total	mg/L	12/03/15 - 08/05/25	31	10	CB around T-S line	0.238	0.250
G54D	UA	E010	Lead, total	mg/L	12/03/15 - 08/05/25	30	90	CI around median	0.001	0.00150
G54D	UA	E010	Lithium, total	mg/L	12/03/15 - 08/05/25	30	20	CB around linear reg	0.00193	0.003
G54D	UA	E010	Mercury, total	mg/L	12/03/15 - 08/05/25	25	96	CI around median	0.0002	0.0002
G54D	UA	E010	Molybdenum, total	mg/L	12/03/15 - 08/05/25	26	88	CB around T-S line	0.00147	0.00150
G54D	UA	E010	pH (field)	SU	12/03/15 - 08/05/25	31	0	CB around linear reg	6.4/6.7	6.0/6.8
G54D	UA	E010	Radium 226 + Radium 228, total	pCi/L	12/03/15 - 08/05/25	30	0	CI around geomean	0.544	1.70
G54D	UA	E010	Selenium, total	mg/L	12/03/15 - 08/05/25	30	93	CI around median	0.001	0.00420
G54D	UA	E010	Sulfate, total	mg/L	12/03/15 - 08/05/25	31	0	CB around T-S line	149	39.0
G54D	UA	E010	Thallium, total	mg/L	12/03/15 - 08/05/25	25	100	All ND - Last	0.002	0.00200
G54D	UA	E010	Total Dissolved Solids	mg/L	12/03/15 - 08/05/25	31	0	CI around median	486	334

ATTACHMENT B.
COMPARISON TO BACKGROUND - QUARTER 3, 2025
845 QUARTERLY REPORT
JOPPA POWER PLANT
EAST ASH POND
JOPPA, IL

Notes:

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) as part of Electric Energy, Inc.’s (EEI’s) operating permit application for the East Ash Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, EEI has not identified any actual exceedances.

Events:

E010 = Quarter 3, 2025 sampling event

HSU = hydrostratigraphic 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 linear reg = Confidence band around linear regression

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

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

NS³ = The location was not accessible; therefore, a sample was not collected.

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

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination