



Kincaid Generation, LLC  
1500 Eastport Plaza Drive  
Collinsville, IL 62234

March 3, 2024

Illinois Environmental Protection Agency  
DWPC – Permits MC#15  
Attn: Part 845 Coal Combustion Residual Rule Submittal  
1021 North Grand Avenue East  
Springfield, IL 62794

**Re: Kincaid Power Plant Ash Pond; IEPA ID # W0218140002-01**

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Kincaid Generation, LLC is submitting groundwater monitoring data for the Quarter 4, 2023 sampling event at the Kincaid Power Plant Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W0218140002-01. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS.

The date of this submittal is considered to be the date that exceedances of the GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16).

A Corrective Measures Assessment (CMA) was initiated on December 14, 2023 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case by case basis, as opposed to generating a new CMA.

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) will be evaluated for any new detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

A handwritten signature in blue ink, appearing to read "Phil Morris", is written over a light blue horizontal line.

**Phil Morris, PE**  
**Senior Director, Environmental**

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 4, 2023, Ash Pond, Kincaid Power Plant, Kincaid, Illinois*

**35 I.A.C. § 845.610(b)(3)(D)  
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES  
QUARTER 4, 2023  
ASH POND, KINCAID POWER PLANT, KINCAID, ILLINOIS**

March 3, 2024

Samples were collected on November 27 through 29, 2023 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on January 3, 2024. Since Quarter 4 results were not available for inclusion in the 2023 Annual Groundwater Monitoring and Corrective Action Report (2023 Annual Report), this document also serves as an addendum to the 2023 Annual Report.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 4, 2023 sampling event. Groundwater elevation data was not able to be collected for wells MW-7S, MW-8S, and MW-27 because the water level was below the top of the dedicated submersible pump. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 4, 2023 sampling event. Monitoring wells MW-8S and MW-27 were dry at the time of sampling; therefore, no groundwater samples were collected from these wells.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan<sup>1</sup> provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 4, 2023 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS, as shown in **Table 2**. The date of this submittal is considered to be the date that the exceedances were detected.

A Corrective Measures Assessment (CMA) was initiated on December 14, 2023 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case by case basis, as opposed to generating a new CMA.

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) will be evaluated for any new detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to Illinois Environmental Protection Agency (IEPA) within 60 days of this transmittal.

**TABLES**

Table 1	Field Parameters and Analytical Results - Quarter 4, 2023
Table 2	Comparison of Statistical Results to GWPS - Quarter 4, 2023

<sup>1</sup> Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. Ash Pond. Kincaid Power Plant. Kincaid, Illinois. October 25, 2021.*

## FIGURES

Figure 1 Monitoring Well Location Map

## ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 4, 2023

Attachment B Laboratory Reports and Field Data Sheets - Quarter 4, 2023

Attachment C Comparison of Statistical Results to Background - Quarter 4, 2023

## **TABLES**

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-1	Background	E003	11/27/2023	Antimony, total	0.00160	mg/L
MW-1	Background	E003	11/27/2023	Arsenic, total	0.0004 U	mg/L
MW-1	Background	E003	11/27/2023	Barium, total	0.0453	mg/L
MW-1	Background	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-1	Background	E003	11/27/2023	Boron, total	0.293	mg/L
MW-1	Background	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-1	Background	E003	11/27/2023	Calcium, total	58.2	mg/L
MW-1	Background	E003	11/27/2023	Chloride, total	14.0	mg/L
MW-1	Background	E003	11/27/2023	Chromium, total	0.0007 U	mg/L
MW-1	Background	E003	11/27/2023	Cobalt, total	0.0001 U	mg/L
MW-1	Background	E003	11/27/2023	Dissolved Oxygen	1.01	mg/L
MW-1	Background	E003	11/27/2023	Fluoride, total	0.200	mg/L
MW-1	Background	E003	11/27/2023	Lead, total	0.0006 U	mg/L
MW-1	Background	E003	11/27/2023	Lithium, total	0.0016 J	mg/L
MW-1	Background	E003	11/27/2023	Mercury, total	0.00006 J	mg/L
MW-1	Background	E003	11/27/2023	Molybdenum, total	0.0006 U	mg/L
MW-1	Background	E003	11/27/2023	Oxidation Reduction Potential	85.0	mV
MW-1	Background	E003	11/27/2023	pH (field)	6.4	SU
MW-1	Background	E003	11/27/2023	Radium 226 + Radium 228, total	0.485 U*	pCi/L
MW-1	Background	E003	11/27/2023	Selenium, total	0.0006 U	mg/L
MW-1	Background	E003	11/27/2023	Specific Conductance @ 25C (field)	532	micromhos/cm
MW-1	Background	E003	11/27/2023	Sulfate, total	92.0	mg/L
MW-1	Background	E003	11/27/2023	Temperature	15.6	degrees C
MW-1	Background	E003	11/27/2023	Thallium, total	0.001 U	mg/L
MW-1	Background	E003	11/27/2023	Total Dissolved Solids	324	mg/L
MW-1	Background	E003	11/27/2023	Turbidity, field	2.20	NTU
MW-2	Background	E003	11/27/2023	Antimony, total	0.0009 U	mg/L
MW-2	Background	E003	11/27/2023	Arsenic, total	0.00230	mg/L
MW-2	Background	E003	11/27/2023	Barium, total	0.123	mg/L
MW-2	Background	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-2	Background	E003	11/27/2023	Boron, total	0.0745 J+	mg/L
MW-2	Background	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-2	Background	E003	11/27/2023	Calcium, total	95.0	mg/L
MW-2	Background	E003	11/27/2023	Chloride, total	15.0	mg/L
MW-2	Background	E003	11/27/2023	Chromium, total	0.00200	mg/L
MW-2	Background	E003	11/27/2023	Cobalt, total	0.0006 J	mg/L
MW-2	Background	E003	11/27/2023	Dissolved Oxygen	1.82	mg/L
MW-2	Background	E003	11/27/2023	Fluoride, total	0.450	mg/L
MW-2	Background	E003	11/27/2023	Lead, total	0.0007 J	mg/L
MW-2	Background	E003	11/27/2023	Lithium, total	0.00560	mg/L
MW-2	Background	E003	11/27/2023	Mercury, total	0.00006 J	mg/L
MW-2	Background	E003	11/27/2023	Molybdenum, total	0.00750	mg/L
MW-2	Background	E003	11/27/2023	Oxidation Reduction Potential	8.00	mV
MW-2	Background	E003	11/27/2023	pH (field)	7.0	SU
MW-2	Background	E003	11/27/2023	Radium 226 + Radium 228, total	0.834	pCi/L
MW-2	Background	E003	11/27/2023	Selenium, total	0.0006 U	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-2	Background	E003	11/27/2023	Specific Conductance @ 25C (field)	779	micromhos/cm
MW-2	Background	E003	11/27/2023	Sulfate, total	140	mg/L
MW-2	Background	E003	11/27/2023	Temperature	13.3	degrees C
MW-2	Background	E003	11/27/2023	Thallium, total	0.001 U	mg/L
MW-2	Background	E003	11/27/2023	Total Dissolved Solids	485	mg/L
MW-2	Background	E003	11/27/2023	Turbidity, field	54.0	NTU
MW-3	Compliance	E003	11/28/2023	Antimony, total	0.00180	mg/L
MW-3	Compliance	E003	11/28/2023	Arsenic, total	0.0004 J	mg/L
MW-3	Compliance	E003	11/28/2023	Barium, total	0.0461	mg/L
MW-3	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-3	Compliance	E003	11/28/2023	Boron, total	1.68	mg/L
MW-3	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-3	Compliance	E003	11/28/2023	Calcium, total	89.8	mg/L
MW-3	Compliance	E003	11/28/2023	Chloride, total	28.0	mg/L
MW-3	Compliance	E003	11/28/2023	Chromium, total	0.0007 U	mg/L
MW-3	Compliance	E003	11/28/2023	Cobalt, total	0.0009 J	mg/L
MW-3	Compliance	E003	11/28/2023	Dissolved Oxygen	1.59	mg/L
MW-3	Compliance	E003	11/28/2023	Fluoride, total	0.260	mg/L
MW-3	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-3	Compliance	E003	11/28/2023	Lithium, total	0.0017 J	mg/L
MW-3	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-3	Compliance	E003	11/28/2023	Molybdenum, total	0.001 J	mg/L
MW-3	Compliance	E003	11/28/2023	Oxidation Reduction Potential	66.0	mV
MW-3	Compliance	E003	11/28/2023	pH (field)	7.0	SU
MW-3	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.621 U*	pCi/L
MW-3	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-3	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	882	micromhos/cm
MW-3	Compliance	E003	11/28/2023	Sulfate, total	142	mg/L
MW-3	Compliance	E003	11/28/2023	Temperature	12.8	degrees C
MW-3	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-3	Compliance	E003	11/28/2023	Total Dissolved Solids	576	mg/L
MW-3	Compliance	E003	11/28/2023	Turbidity, field	6.20	NTU
MW-5	Compliance	E003	11/27/2023	Antimony, total	0.0004 U	mg/L
MW-5	Compliance	E003	11/27/2023	Arsenic, total	0.00150	mg/L
MW-5	Compliance	E003	11/27/2023	Barium, total	0.162	mg/L
MW-5	Compliance	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-5	Compliance	E003	11/27/2023	Boron, total	0.513	mg/L
MW-5	Compliance	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-5	Compliance	E003	11/27/2023	Calcium, total	146	mg/L
MW-5	Compliance	E003	11/27/2023	Chloride, total	44.0	mg/L
MW-5	Compliance	E003	11/27/2023	Chromium, total	0.001 J	mg/L
MW-5	Compliance	E003	11/27/2023	Cobalt, total	0.0009 J	mg/L
MW-5	Compliance	E003	11/27/2023	Dissolved Oxygen	0.950	mg/L
MW-5	Compliance	E003	11/27/2023	Fluoride, total	0.170	mg/L
MW-5	Compliance	E003	11/27/2023	Lead, total	0.0006 U	mg/L
MW-5	Compliance	E003	11/27/2023	Lithium, total	0.0029 J	mg/L

**TABLE 1.**  
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845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-5	Compliance	E003	11/27/2023	Mercury, total	0.00006 U	mg/L
MW-5	Compliance	E003	11/27/2023	Molybdenum, total	0.0009 J	mg/L
MW-5	Compliance	E003	11/27/2023	Oxidation Reduction Potential	21.0	mV
MW-5	Compliance	E003	11/27/2023	pH (field)	6.6	SU
MW-5	Compliance	E003	11/27/2023	Radium 226 + Radium 228, total	1.01	pCi/L
MW-5	Compliance	E003	11/27/2023	Selenium, total	0.0006 U	mg/L
MW-5	Compliance	E003	11/27/2023	Specific Conductance @ 25C (field)	1,220	micromhos/cm
MW-5	Compliance	E003	11/27/2023	Sulfate, total	13.0	mg/L
MW-5	Compliance	E003	11/27/2023	Temperature	10.9	degrees C
MW-5	Compliance	E003	11/27/2023	Thallium, total	0.001 U	mg/L
MW-5	Compliance	E003	11/27/2023	Total Dissolved Solids	760	mg/L
MW-5	Compliance	E003	11/27/2023	Turbidity, field	10.0	NTU
MW-6	Compliance	E003	11/28/2023	Antimony, total	0.0004 U	mg/L
MW-6	Compliance	E003	11/28/2023	Arsenic, total	0.0004 J	mg/L
MW-6	Compliance	E003	11/28/2023	Barium, total	0.0503	mg/L
MW-6	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-6	Compliance	E003	11/28/2023	Boron, total	1.44	mg/L
MW-6	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-6	Compliance	E003	11/28/2023	Calcium, total	110	mg/L
MW-6	Compliance	E003	11/28/2023	Chloride, total	9.00	mg/L
MW-6	Compliance	E003	11/28/2023	Chromium, total	0.0013 J	mg/L
MW-6	Compliance	E003	11/28/2023	Cobalt, total	0.0002 J	mg/L
MW-6	Compliance	E003	11/28/2023	Dissolved Oxygen	3.19	mg/L
MW-6	Compliance	E003	11/28/2023	Fluoride, total	0.200	mg/L
MW-6	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-6	Compliance	E003	11/28/2023	Lithium, total	0.0018 J	mg/L
MW-6	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-6	Compliance	E003	11/28/2023	Molybdenum, total	0.0006 U	mg/L
MW-6	Compliance	E003	11/28/2023	Oxidation Reduction Potential	74.0	mV
MW-6	Compliance	E003	11/28/2023	pH (field)	6.4	SU
MW-6	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.796 U*	pCi/L
MW-6	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-6	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	923	micromhos/cm
MW-6	Compliance	E003	11/28/2023	Sulfate, total	222	mg/L
MW-6	Compliance	E003	11/28/2023	Temperature	14.6	degrees C
MW-6	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-6	Compliance	E003	11/28/2023	Total Dissolved Solids	670	mg/L
MW-6	Compliance	E003	11/28/2023	Turbidity, field	15.0	NTU
MW-7	Compliance	E003	11/27/2023	Antimony, total	0.0004 U	mg/L
MW-7	Compliance	E003	11/27/2023	Arsenic, total	0.00100	mg/L
MW-7	Compliance	E003	11/27/2023	Barium, total	0.0605	mg/L
MW-7	Compliance	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-7	Compliance	E003	11/27/2023	Boron, total	0.563	mg/L
MW-7	Compliance	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-7	Compliance	E003	11/27/2023	Calcium, total	174	mg/L
MW-7	Compliance	E003	11/27/2023	Chloride, total	8.00	mg/L



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-7	Compliance	E003	11/27/2023	Chromium, total	0.0007 U	mg/L
MW-7	Compliance	E003	11/27/2023	Cobalt, total	0.00120	mg/L
MW-7	Compliance	E003	11/27/2023	Dissolved Oxygen	1.32	mg/L
MW-7	Compliance	E003	11/27/2023	Fluoride, total	0.280	mg/L
MW-7	Compliance	E003	11/27/2023	Lead, total	0.0006 U	mg/L
MW-7	Compliance	E003	11/27/2023	Lithium, total	0.0028 J	mg/L
MW-7	Compliance	E003	11/27/2023	Mercury, total	0.00006 U	mg/L
MW-7	Compliance	E003	11/27/2023	Molybdenum, total	0.00230	mg/L
MW-7	Compliance	E003	11/27/2023	Oxidation Reduction Potential	27.0	mV
MW-7	Compliance	E003	11/27/2023	pH (field)	6.8	SU
MW-7	Compliance	E003	11/27/2023	Radium 226 + Radium 228, total	1.2	pCi/L
MW-7	Compliance	E003	11/27/2023	Selenium, total	0.0006 U	mg/L
MW-7	Compliance	E003	11/27/2023	Specific Conductance @ 25C (field)	1,290	micromhos/cm
MW-7	Compliance	E003	11/27/2023	Sulfate, total	360	mg/L
MW-7	Compliance	E003	11/27/2023	Temperature	13.7	degrees C
MW-7	Compliance	E003	11/27/2023	Thallium, total	0.001 U	mg/L
MW-7	Compliance	E003	11/27/2023	Total Dissolved Solids	1,000	mg/L
MW-7	Compliance	E003	11/27/2023	Turbidity, field	11.0	NTU
MW-7S	Compliance	E003	11/27/2023	Antimony, total	0.0004 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Arsenic, total	0.00950	mg/L
MW-7S	Compliance	E003	11/27/2023	Barium, total	0.0359	mg/L
MW-7S	Compliance	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Boron, total	4.81	mg/L
MW-7S	Compliance	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Calcium, total	180	mg/L
MW-7S	Compliance	E003	11/27/2023	Chloride, total	9.00	mg/L
MW-7S	Compliance	E003	11/27/2023	Chromium, total	0.0007 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Cobalt, total	0.00120	mg/L
MW-7S	Compliance	E003	11/27/2023	Dissolved Oxygen	0.860	mg/L
MW-7S	Compliance	E003	11/27/2023	Fluoride, total	0.290	mg/L
MW-7S	Compliance	E003	11/27/2023	Lead, total	0.0006 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Lithium, total	0.0015 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Mercury, total	0.00006 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Molybdenum, total	0.0014 J	mg/L
MW-7S	Compliance	E003	11/27/2023	Oxidation Reduction Potential	-56.0	mV
MW-7S	Compliance	E003	11/27/2023	pH (field)	6.7	SU
MW-7S	Compliance	E003	11/27/2023	Radium 226 + Radium 228, total	0.441 U*	pCi/L
MW-7S	Compliance	E003	11/27/2023	Selenium, total	0.0006 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Specific Conductance @ 25C (field)	1,610	micromhos/cm
MW-7S	Compliance	E003	11/27/2023	Sulfate, total	525	mg/L
MW-7S	Compliance	E003	11/27/2023	Temperature	14.8	degrees C
MW-7S	Compliance	E003	11/27/2023	Thallium, total	0.001 U	mg/L
MW-7S	Compliance	E003	11/27/2023	Total Dissolved Solids	1,300	mg/L
MW-7S	Compliance	E003	11/27/2023	Turbidity, field	4.50	NTU
MW-8	Compliance	E003	11/28/2023	Antimony, total	0.0004 U	mg/L
MW-8	Compliance	E003	11/28/2023	Arsenic, total	0.0004 U	mg/L



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-8	Compliance	E003	11/28/2023	Barium, total	0.0311	mg/L
MW-8	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-8	Compliance	E003	11/28/2023	Boron, total	1.03	mg/L
MW-8	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-8	Compliance	E003	11/28/2023	Calcium, total	147	mg/L
MW-8	Compliance	E003	11/28/2023	Chloride, total	21.0	mg/L
MW-8	Compliance	E003	11/28/2023	Chromium, total	0.0007 U	mg/L
MW-8	Compliance	E003	11/28/2023	Cobalt, total	0.00130	mg/L
MW-8	Compliance	E003	11/28/2023	Dissolved Oxygen	0.940	mg/L
MW-8	Compliance	E003	11/28/2023	Fluoride, total	0.230	mg/L
MW-8	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-8	Compliance	E003	11/28/2023	Lithium, total	0.0019 J	mg/L
MW-8	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-8	Compliance	E003	11/28/2023	Molybdenum, total	0.0006 U	mg/L
MW-8	Compliance	E003	11/28/2023	Oxidation Reduction Potential	110	mV
MW-8	Compliance	E003	11/28/2023	pH (field)	6.4	SU
MW-8	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.495 U*	pCi/L
MW-8	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-8	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	1,170	micromhos/cm
MW-8	Compliance	E003	11/28/2023	Sulfate, total	222	mg/L
MW-8	Compliance	E003	11/28/2023	Temperature	14.1	degrees C
MW-8	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-8	Compliance	E003	11/28/2023	Total Dissolved Solids	808	mg/L
MW-8	Compliance	E003	11/28/2023	Turbidity, field	1.60	NTU
MW-11	Compliance	E003	11/28/2023	Antimony, total	0.00260	mg/L
MW-11	Compliance	E003	11/28/2023	Arsenic, total	0.00220	mg/L
MW-11	Compliance	E003	11/28/2023	Barium, total	0.137	mg/L
MW-11	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-11	Compliance	E003	11/28/2023	Boron, total	1.76	mg/L
MW-11	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-11	Compliance	E003	11/28/2023	Calcium, total	115	mg/L
MW-11	Compliance	E003	11/28/2023	Chloride, total	32.0	mg/L
MW-11	Compliance	E003	11/28/2023	Chromium, total	0.0007 U	mg/L
MW-11	Compliance	E003	11/28/2023	Cobalt, total	0.0006 J	mg/L
MW-11	Compliance	E003	11/28/2023	Dissolved Oxygen	1.17	mg/L
MW-11	Compliance	E003	11/28/2023	Fluoride, total	0.520	mg/L
MW-11	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-11	Compliance	E003	11/28/2023	Lithium, total	0.0025 J	mg/L
MW-11	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-11	Compliance	E003	11/28/2023	Molybdenum, total	0.00310	mg/L
MW-11	Compliance	E003	11/28/2023	Oxidation Reduction Potential	17.0	mV
MW-11	Compliance	E003	11/28/2023	pH (field)	6.9	SU
MW-11	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.992	pCi/L
MW-11	Compliance	E003	11/28/2023	Selenium, total	0.0009 J	mg/L
MW-11	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	963	micromhos/cm
MW-11	Compliance	E003	11/28/2023	Sulfate, total	128	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-11	Compliance	E003	11/28/2023	Temperature	13.2	degrees C
MW-11	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-11	Compliance	E003	11/28/2023	Total Dissolved Solids	642	mg/L
MW-11	Compliance	E003	11/28/2023	Turbidity, field	8.10	NTU
MW-12	Compliance	E003	11/28/2023	Antimony, total	0.00220	mg/L
MW-12	Compliance	E003	11/28/2023	Arsenic, total	0.00110	mg/L
MW-12	Compliance	E003	11/28/2023	Barium, total	0.0889	mg/L
MW-12	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-12	Compliance	E003	11/28/2023	Boron, total	2.78	mg/L
MW-12	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-12	Compliance	E003	11/28/2023	Calcium, total	191	mg/L
MW-12	Compliance	E003	11/28/2023	Chloride, total	31.0	mg/L
MW-12	Compliance	E003	11/28/2023	Chromium, total	0.0007 J	mg/L
MW-12	Compliance	E003	11/28/2023	Cobalt, total	0.0002 J	mg/L
MW-12	Compliance	E003	11/28/2023	Dissolved Oxygen	0.870	mg/L
MW-12	Compliance	E003	11/28/2023	Fluoride, total	0.260	mg/L
MW-12	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-12	Compliance	E003	11/28/2023	Lithium, total	0.0100	mg/L
MW-12	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-12	Compliance	E003	11/28/2023	Molybdenum, total	0.00170	mg/L
MW-12	Compliance	E003	11/28/2023	Oxidation Reduction Potential	-38.0	mV
MW-12	Compliance	E003	11/28/2023	pH (field)	6.8	SU
MW-12	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.579 U*	pCi/L
MW-12	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-12	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	1,410	micromhos/cm
MW-12	Compliance	E003	11/28/2023	Sulfate, total	350	mg/L
MW-12	Compliance	E003	11/28/2023	Temperature	10.6	degrees C
MW-12	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-12	Compliance	E003	11/28/2023	Total Dissolved Solids	1,090	mg/L
MW-12	Compliance	E003	11/28/2023	Turbidity, field	9.30	NTU
MW-20	Compliance	E003	11/28/2023	Antimony, total	0.00220	mg/L
MW-20	Compliance	E003	11/28/2023	Arsenic, total	0.00170	mg/L
MW-20	Compliance	E003	11/28/2023	Barium, total	0.103	mg/L
MW-20	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-20	Compliance	E003	11/28/2023	Boron, total	0.592	mg/L
MW-20	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-20	Compliance	E003	11/28/2023	Calcium, total	120	mg/L
MW-20	Compliance	E003	11/28/2023	Chloride, total	20.0	mg/L
MW-20	Compliance	E003	11/28/2023	Chromium, total	0.0011 J	mg/L
MW-20	Compliance	E003	11/28/2023	Cobalt, total	0.0006 J	mg/L
MW-20	Compliance	E003	11/28/2023	Dissolved Oxygen	1.35	mg/L
MW-20	Compliance	E003	11/28/2023	Fluoride, total	0.380	mg/L
MW-20	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-20	Compliance	E003	11/28/2023	Lithium, total	0.00490	mg/L
MW-20	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-20	Compliance	E003	11/28/2023	Molybdenum, total	0.00340	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-20	Compliance	E003	11/28/2023	Oxidation Reduction Potential	18.0	mV
MW-20	Compliance	E003	11/28/2023	pH (field)	7.1	SU
MW-20	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.598 U*	pCi/L
MW-20	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-20	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	993	micromhos/cm
MW-20	Compliance	E003	11/28/2023	Sulfate, total	149	mg/L
MW-20	Compliance	E003	11/28/2023	Temperature	13.8	degrees C
MW-20	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-20	Compliance	E003	11/28/2023	Total Dissolved Solids	656	mg/L
MW-20	Compliance	E003	11/28/2023	Turbidity, field	65.0	NTU
MW-20S	Compliance	E003	11/28/2023	Antimony, total	0.00110	mg/L
MW-20S	Compliance	E003	11/28/2023	Arsenic, total	0.0004 J	mg/L
MW-20S	Compliance	E003	11/28/2023	Barium, total	0.0438	mg/L
MW-20S	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-20S	Compliance	E003	11/28/2023	Boron, total	1.64	mg/L
MW-20S	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-20S	Compliance	E003	11/28/2023	Calcium, total	168	mg/L
MW-20S	Compliance	E003	11/28/2023	Chloride, total	19.0	mg/L
MW-20S	Compliance	E003	11/28/2023	Chromium, total	0.00150	mg/L
MW-20S	Compliance	E003	11/28/2023	Cobalt, total	0.0003 J	mg/L
MW-20S	Compliance	E003	11/28/2023	Dissolved Oxygen	3.17	mg/L
MW-20S	Compliance	E003	11/28/2023	Fluoride, total	0.210	mg/L
MW-20S	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-20S	Compliance	E003	11/28/2023	Lithium, total	0.0015 U	mg/L
MW-20S	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-20S	Compliance	E003	11/28/2023	Molybdenum, total	0.0009 J	mg/L
MW-20S	Compliance	E003	11/28/2023	Oxidation Reduction Potential	102	mV
MW-20S	Compliance	E003	11/28/2023	pH (field)	7.0	SU
MW-20S	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.665 U*	pCi/L
MW-20S	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-20S	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	1,350	micromhos/cm
MW-20S	Compliance	E003	11/28/2023	Sulfate, total	356	mg/L
MW-20S	Compliance	E003	11/28/2023	Temperature	13.8	degrees C
MW-20S	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-20S	Compliance	E003	11/28/2023	Total Dissolved Solids	925	mg/L
MW-20S	Compliance	E003	11/28/2023	Turbidity, field	5.30	NTU
MW-23	Compliance	E003	11/28/2023	Antimony, total	0.0007 J	mg/L
MW-23	Compliance	E003	11/28/2023	Arsenic, total	0.00210	mg/L
MW-23	Compliance	E003	11/28/2023	Barium, total	0.0985	mg/L
MW-23	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-23	Compliance	E003	11/28/2023	Boron, total	2.10	mg/L
MW-23	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-23	Compliance	E003	11/28/2023	Calcium, total	106	mg/L
MW-23	Compliance	E003	11/28/2023	Chloride, total	25.0	mg/L
MW-23	Compliance	E003	11/28/2023	Chromium, total	0.0007 U	mg/L
MW-23	Compliance	E003	11/28/2023	Cobalt, total	0.00130	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

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 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-23	Compliance	E003	11/28/2023	Dissolved Oxygen	1.52	mg/L
MW-23	Compliance	E003	11/28/2023	Fluoride, total	0.390	mg/L
MW-23	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-23	Compliance	E003	11/28/2023	Lithium, total	0.0015 U	mg/L
MW-23	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-23	Compliance	E003	11/28/2023	Molybdenum, total	0.0012 J	mg/L
MW-23	Compliance	E003	11/28/2023	Oxidation Reduction Potential	43.0	mV
MW-23	Compliance	E003	11/28/2023	pH (field)	7.0	SU
MW-23	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.889	pCi/L
MW-23	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-23	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	947	micromhos/cm
MW-23	Compliance	E003	11/28/2023	Sulfate, total	33.0	mg/L
MW-23	Compliance	E003	11/28/2023	Temperature	13.0	degrees C
MW-23	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-23	Compliance	E003	11/28/2023	Total Dissolved Solids	604	mg/L
MW-23	Compliance	E003	11/28/2023	Turbidity, field	9.40	NTU
MW-28	Compliance	E003	11/28/2023	Antimony, total	0.0005 J	mg/L
MW-28	Compliance	E003	11/28/2023	Arsenic, total	0.0005 J	mg/L
MW-28	Compliance	E003	11/28/2023	Barium, total	0.0282	mg/L
MW-28	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
MW-28	Compliance	E003	11/28/2023	Boron, total	8.20	mg/L
MW-28	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-28	Compliance	E003	11/28/2023	Calcium, total	251	mg/L
MW-28	Compliance	E003	11/28/2023	Chloride, total	13.0	mg/L
MW-28	Compliance	E003	11/28/2023	Chromium, total	0.0007 U	mg/L
MW-28	Compliance	E003	11/28/2023	Cobalt, total	0.0007 J	mg/L
MW-28	Compliance	E003	11/28/2023	Dissolved Oxygen	1.04	mg/L
MW-28	Compliance	E003	11/28/2023	Fluoride, total	0.150	mg/L
MW-28	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-28	Compliance	E003	11/28/2023	Lithium, total	0.00610	mg/L
MW-28	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-28	Compliance	E003	11/28/2023	Molybdenum, total	0.0006 U	mg/L
MW-28	Compliance	E003	11/28/2023	Oxidation Reduction Potential	77.0	mV
MW-28	Compliance	E003	11/28/2023	pH (field)	6.6	SU
MW-28	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.604 U*	pCi/L
MW-28	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-28	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	1,890	micromhos/cm
MW-28	Compliance	E003	11/28/2023	Sulfate, total	891	mg/L
MW-28	Compliance	E003	11/28/2023	Temperature	14.5	degrees C
MW-28	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-28	Compliance	E003	11/28/2023	Total Dissolved Solids	1,780	mg/L
MW-28	Compliance	E003	11/28/2023	Turbidity, field	2.80	NTU
MW-30	Compliance	E003	11/28/2023	Antimony, total	0.00100	mg/L
MW-30	Compliance	E003	11/28/2023	Arsenic, total	0.00480	mg/L
MW-30	Compliance	E003	11/28/2023	Barium, total	0.163	mg/L
MW-30	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

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 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-30	Compliance	E003	11/28/2023	Boron, total	1.09	mg/L
MW-30	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
MW-30	Compliance	E003	11/28/2023	Calcium, total	108	mg/L
MW-30	Compliance	E003	11/28/2023	Chloride, total	41.0	mg/L
MW-30	Compliance	E003	11/28/2023	Chromium, total	0.0007 J	mg/L
MW-30	Compliance	E003	11/28/2023	Cobalt, total	0.00210	mg/L
MW-30	Compliance	E003	11/28/2023	Dissolved Oxygen	1.38	mg/L
MW-30	Compliance	E003	11/28/2023	Fluoride, total	0.350	mg/L
MW-30	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
MW-30	Compliance	E003	11/28/2023	Lithium, total	0.0015 U	mg/L
MW-30	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
MW-30	Compliance	E003	11/28/2023	Molybdenum, total	0.00180	mg/L
MW-30	Compliance	E003	11/28/2023	Oxidation Reduction Potential	-66.0	mV
MW-30	Compliance	E003	11/28/2023	pH (field)	6.6	SU
MW-30	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.82 U*	pCi/L
MW-30	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
MW-30	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	1,040	micromhos/cm
MW-30	Compliance	E003	11/28/2023	Sulfate, total	6 U	mg/L
MW-30	Compliance	E003	11/28/2023	Temperature	13.5	degrees C
MW-30	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
MW-30	Compliance	E003	11/28/2023	Total Dissolved Solids	635	mg/L
MW-30	Compliance	E003	11/28/2023	Turbidity, field	35.0	NTU
MW-31	Compliance	E003	11/27/2023	Antimony, total	0.0006 J	mg/L
MW-31	Compliance	E003	11/27/2023	Arsenic, total	0.00270	mg/L
MW-31	Compliance	E003	11/27/2023	Barium, total	0.269	mg/L
MW-31	Compliance	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-31	Compliance	E003	11/27/2023	Boron, total	0.210	mg/L
MW-31	Compliance	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-31	Compliance	E003	11/27/2023	Calcium, total	121	mg/L
MW-31	Compliance	E003	11/27/2023	Chloride, total	41.0	mg/L
MW-31	Compliance	E003	11/27/2023	Chromium, total	0.0007 U	mg/L
MW-31	Compliance	E003	11/27/2023	Cobalt, total	0.0008 J	mg/L
MW-31	Compliance	E003	11/27/2023	Dissolved Oxygen	2.30	mg/L
MW-31	Compliance	E003	11/27/2023	Fluoride, total	0.170	mg/L
MW-31	Compliance	E003	11/27/2023	Lead, total	0.0006 U	mg/L
MW-31	Compliance	E003	11/27/2023	Lithium, total	0.00590	mg/L
MW-31	Compliance	E003	11/27/2023	Mercury, total	0.00006 UJ	mg/L
MW-31	Compliance	E003	11/27/2023	Molybdenum, total	0.0006 J	mg/L
MW-31	Compliance	E003	11/27/2023	Oxidation Reduction Potential	-52.0	mV
MW-31	Compliance	E003	11/27/2023	pH (field)	6.7	SU
MW-31	Compliance	E003	11/27/2023	Radium 226 + Radium 228, total	0.939	pCi/L
MW-31	Compliance	E003	11/27/2023	Selenium, total	0.0006 U	mg/L
MW-31	Compliance	E003	11/27/2023	Specific Conductance @ 25C (field)	981	micromhos/cm
MW-31	Compliance	E003	11/27/2023	Sulfate, total	6 U	mg/L
MW-31	Compliance	E003	11/27/2023	Temperature	13.1	degrees C
MW-31	Compliance	E003	11/27/2023	Thallium, total	0.001 U	mg/L



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

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 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-31	Compliance	E003	11/27/2023	Total Dissolved Solids	580	mg/L
MW-31	Compliance	E003	11/27/2023	Turbidity, field	5.90	NTU
MW-31S	Compliance	E003	11/27/2023	Antimony, total	0.0005 J	mg/L
MW-31S	Compliance	E003	11/27/2023	Arsenic, total	0.0147	mg/L
MW-31S	Compliance	E003	11/27/2023	Barium, total	0.373	mg/L
MW-31S	Compliance	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-31S	Compliance	E003	11/27/2023	Boron, total	0.0555 J+	mg/L
MW-31S	Compliance	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-31S	Compliance	E003	11/27/2023	Calcium, total	143	mg/L
MW-31S	Compliance	E003	11/27/2023	Chloride, total	15.0	mg/L
MW-31S	Compliance	E003	11/27/2023	Chromium, total	0.0007 U	mg/L
MW-31S	Compliance	E003	11/27/2023	Cobalt, total	0.00420	mg/L
MW-31S	Compliance	E003	11/27/2023	Dissolved Oxygen	1.34	mg/L
MW-31S	Compliance	E003	11/27/2023	Fluoride, total	0.310	mg/L
MW-31S	Compliance	E003	11/27/2023	Lead, total	0.00100	mg/L
MW-31S	Compliance	E003	11/27/2023	Lithium, total	0.0015 U	mg/L
MW-31S	Compliance	E003	11/27/2023	Mercury, total	0.00006 U	mg/L
MW-31S	Compliance	E003	11/27/2023	Molybdenum, total	0.0009 J	mg/L
MW-31S	Compliance	E003	11/27/2023	Oxidation Reduction Potential	-86.0	mV
MW-31S	Compliance	E003	11/27/2023	pH (field)	6.5	SU
MW-31S	Compliance	E003	11/27/2023	Radium 226 + Radium 228, total	1.32	pCi/L
MW-31S	Compliance	E003	11/27/2023	Selenium, total	0.0009 J	mg/L
MW-31S	Compliance	E003	11/27/2023	Specific Conductance @ 25C (field)	1,230	micromhos/cm
MW-31S	Compliance	E003	11/27/2023	Sulfate, total	6 U	mg/L
MW-31S	Compliance	E003	11/27/2023	Temperature	14.0	degrees C
MW-31S	Compliance	E003	11/27/2023	Thallium, total	0.001 U	mg/L
MW-31S	Compliance	E003	11/27/2023	Total Dissolved Solids	730	mg/L
MW-31S	Compliance	E003	11/27/2023	Turbidity, field	9.50	NTU
MW-32	Compliance	E003	11/27/2023	Antimony, total	0.0004 U	mg/L
MW-32	Compliance	E003	11/27/2023	Arsenic, total	0.0004 U	mg/L
MW-32	Compliance	E003	11/27/2023	Barium, total	0.0505	mg/L
MW-32	Compliance	E003	11/27/2023	Beryllium, total	0.0002 U	mg/L
MW-32	Compliance	E003	11/27/2023	Boron, total	1.61	mg/L
MW-32	Compliance	E003	11/27/2023	Cadmium, total	0.0002 U	mg/L
MW-32	Compliance	E003	11/27/2023	Calcium, total	163	mg/L
MW-32	Compliance	E003	11/27/2023	Chloride, total	11.0	mg/L
MW-32	Compliance	E003	11/27/2023	Chromium, total	0.0007 U	mg/L
MW-32	Compliance	E003	11/27/2023	Cobalt, total	0.0005 J	mg/L
MW-32	Compliance	E003	11/27/2023	Dissolved Oxygen	1.38	mg/L
MW-32	Compliance	E003	11/27/2023	Fluoride, total	0.170	mg/L
MW-32	Compliance	E003	11/27/2023	Lead, total	0.0006 U	mg/L
MW-32	Compliance	E003	11/27/2023	Lithium, total	0.0015 U	mg/L
MW-32	Compliance	E003	11/27/2023	Mercury, total	0.00006 U	mg/L
MW-32	Compliance	E003	11/27/2023	Molybdenum, total	0.0006 U	mg/L
MW-32	Compliance	E003	11/27/2023	Oxidation Reduction Potential	142	mV
MW-32	Compliance	E003	11/27/2023	pH (field)	6.4	SU

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-32	Compliance	E003	11/27/2023	Radium 226 + Radium 228, total	0.564 U*	pCi/L
MW-32	Compliance	E003	11/27/2023	Selenium, total	0.0006 U	mg/L
MW-32	Compliance	E003	11/27/2023	Specific Conductance @ 25C (field)	1,390	micromhos/cm
MW-32	Compliance	E003	11/27/2023	Sulfate, total	356	mg/L
MW-32	Compliance	E003	11/27/2023	Temperature	14.1	degrees C
MW-32	Compliance	E003	11/27/2023	Thallium, total	0.001 U	mg/L
MW-32	Compliance	E003	11/27/2023	Total Dissolved Solids	1,060	mg/L
MW-32	Compliance	E003	11/27/2023	Turbidity, field	4.30	NTU
PZ-4C	Compliance	E003	11/28/2023	Antimony, total	0.00140	mg/L
PZ-4C	Compliance	E003	11/28/2023	Arsenic, total	0.00130	mg/L
PZ-4C	Compliance	E003	11/28/2023	Barium, total	0.277	mg/L
PZ-4C	Compliance	E003	11/28/2023	Beryllium, total	0.0002 U	mg/L
PZ-4C	Compliance	E003	11/28/2023	Boron, total	1.59	mg/L
PZ-4C	Compliance	E003	11/28/2023	Cadmium, total	0.0002 U	mg/L
PZ-4C	Compliance	E003	11/28/2023	Calcium, total	106	mg/L
PZ-4C	Compliance	E003	11/28/2023	Chloride, total	35.0	mg/L
PZ-4C	Compliance	E003	11/28/2023	Chromium, total	0.0011 J	mg/L
PZ-4C	Compliance	E003	11/28/2023	Cobalt, total	0.0003 J	mg/L
PZ-4C	Compliance	E003	11/28/2023	Dissolved Oxygen	1.00	mg/L
PZ-4C	Compliance	E003	11/28/2023	Fluoride, total	0.400	mg/L
PZ-4C	Compliance	E003	11/28/2023	Lead, total	0.0006 U	mg/L
PZ-4C	Compliance	E003	11/28/2023	Lithium, total	0.00770	mg/L
PZ-4C	Compliance	E003	11/28/2023	Mercury, total	0.00006 U	mg/L
PZ-4C	Compliance	E003	11/28/2023	Molybdenum, total	0.0009 J	mg/L
PZ-4C	Compliance	E003	11/28/2023	Oxidation Reduction Potential	-295	mV
PZ-4C	Compliance	E003	11/28/2023	pH (field)	7.4	SU
PZ-4C	Compliance	E003	11/28/2023	Radium 226 + Radium 228, total	0.712	pCi/L
PZ-4C	Compliance	E003	11/28/2023	Selenium, total	0.0006 U	mg/L
PZ-4C	Compliance	E003	11/28/2023	Specific Conductance @ 25C (field)	877	micromhos/cm
PZ-4C	Compliance	E003	11/28/2023	Sulfate, total	38.0	mg/L
PZ-4C	Compliance	E003	11/28/2023	Temperature	13.6	degrees C
PZ-4C	Compliance	E003	11/28/2023	Thallium, total	0.001 U	mg/L
PZ-4C	Compliance	E003	11/28/2023	Total Dissolved Solids	535	mg/L
PZ-4C	Compliance	E003	11/28/2023	Turbidity, field	13.0	NTU



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

**Notes:**

C = Celsius

cm = centimeter

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

SU = Standard Units

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

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

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

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

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-3	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	26	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-3	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	26	0	CI around median	0.0461	2.0	Standard	No Exceedance
MW-3	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-3	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	26	0	CI around median	1.57	2	Standard	No Exceedance
MW-3	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-3	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	26	0	CB around linear reg	27.3	200	Standard	No Exceedance
MW-3	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	26	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	26	90	CI around median	0.001	0.006	Standard	No Exceedance
MW-3	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	26	0	CI around mean	0.243	4.0	Standard	No Exceedance
MW-3	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-3	UA	E003	Lithium, total	mg/L	02/25/21 - 11/28/23	12	92	CI around median	0.003	0.04	Standard	No Exceedance
MW-3	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-3	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-3	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	26	0	CB around linear reg	6.4/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-3	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 11/28/23	22	0	CI around median	0.271	5	Standard	No Exceedance
MW-3	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-3	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	26	0	CB around linear reg	113	400	Standard	No Exceedance
MW-3	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	26	97	CB around T-S line	0.002	0.002	Standard	No Exceedance
MW-3	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	26	0	CB around linear reg	539	1,200	Standard	No Exceedance
MW-5	UA	E003	Antimony, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-5	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/27/23	30	89	CB around T-S line	0.001	0.010	Standard	No Exceedance
MW-5	UA	E003	Barium, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.143	2.0	Standard	No Exceedance
MW-5	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-5	UA	E003	Boron, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.53	2	Standard	No Exceedance
MW-5	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-5	UA	E003	Chloride, total	mg/L	12/15/15 - 11/27/23	30	0	CB around linear reg	44.7	200	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-5	UA	E003	Chromium, total	mg/L	12/15/15 - 11/27/23	30	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-5	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/27/23	30	91	CI around median	0.001	0.006	Standard	No Exceedance
MW-5	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/27/23	30	3	CB around T-S line	0.16	4.0	Standard	No Exceedance
MW-5	UA	E003	Lead, total	mg/L	12/15/15 - 11/27/23	30	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-5	UA	E003	Lithium, total	mg/L	12/15/15 - 11/27/23	22	36	CI around median	0.0029	0.04	Standard	No Exceedance
MW-5	UA	E003	Mercury, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-5	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/27/23	22	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-5	UA	E003	pH (field)	SU	12/15/15 - 11/27/23	30	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-5	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/27/23	31	0	CI around median	0.3	5	Standard	No Exceedance
MW-5	UA	E003	Selenium, total	mg/L	12/15/15 - 11/27/23	30	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-5	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/27/23	30	34	CI around median	10	400	Standard	No Exceedance
MW-5	UA	E003	Thallium, total	mg/L	12/15/15 - 11/27/23	27	97	CB around T-S line	0.00184	0.002	Standard	No Exceedance
MW-5	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/27/23	30	0	CB around linear reg	688	1,200	Standard	No Exceedance
MW-6	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-6	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CB around T-S line	0.036	2.0	Standard	No Exceedance
MW-6	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-6	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	0.97	2	Standard	No Exceedance
MW-6	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-6	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	51	CB around T-S line	2.41	200	Standard	No Exceedance
MW-6	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	89	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-6	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-6	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	0.194	4.0	Standard	No Exceedance
MW-6	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-6	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	86	CB around T-S line	0.00212	0.04	Standard	No Exceedance
MW-6	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-6	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
 845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-6	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CI around mean	6.5/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-6	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around median	0.37	5	Standard	No Exceedance
MW-6	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	94	CI around median	0.001	0.05	Standard	No Exceedance
MW-6	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CI around geomean	137	400	Standard	No Exceedance
MW-6	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-6	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	492	1,200	Standard	No Exceedance
MW-7	UA	E003	Antimony, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-7	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/27/23	30	74	CI around median	0.001	0.010	Standard	No Exceedance
MW-7	UA	E003	Barium, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.0472	2.0	Standard	No Exceedance
MW-7	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7	UA	E003	Boron, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.221	2	Standard	No Exceedance
MW-7	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7	UA	E003	Chloride, total	mg/L	12/15/15 - 11/27/23	30	74	CB around T-S line	2.51	200	Standard	No Exceedance
MW-7	UA	E003	Chromium, total	mg/L	12/15/15 - 11/27/23	30	94	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-7	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/27/23	30	86	CI around median	0.001	0.006	Standard	No Exceedance
MW-7	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.254	4.0	Standard	No Exceedance
MW-7	UA	E003	Lead, total	mg/L	12/15/15 - 11/27/23	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-7	UA	E003	Lithium, total	mg/L	12/15/15 - 11/27/23	22	36	CI around median	0.003	0.04	Standard	No Exceedance
MW-7	UA	E003	Mercury, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/27/23	22	4	CI around mean	0.0026	0.1	Standard	No Exceedance
MW-7	UA	E003	pH (field)	SU	12/15/15 - 11/27/23	30	0	CB around linear reg	6.7/7.0	5.6/9.0	Background/Standard	No Exceedance
MW-7	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/27/23	31	0	CI around geomean	0.463	5	Standard	No Exceedance
MW-7	UA	E003	Selenium, total	mg/L	12/15/15 - 11/27/23	30	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/27/23	30	0	CI around geomean	174	400	Standard	No Exceedance
MW-7	UA	E003	Thallium, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	569	1,200	Standard	No Exceedance
MW-7S	USCU	E003	Antimony, total	mg/L	02/24/21 - 11/27/23	10	90	CI around median	0.001	0.006	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
 845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-7S	USCU	E003	Arsenic, total	mg/L	02/24/21 - 11/27/23	10	0	CI around geomean	0.0046	0.010	Standard	No Exceedance
MW-7S	USCU	E003	Barium, total	mg/L	02/24/21 - 11/27/23	10	0	CI around median	0.0402	2.0	Standard	No Exceedance
MW-7S	USCU	E003	Beryllium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-7S	USCU	E003	Boron, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	3.73	2	Standard	Exceedance
MW-7S	USCU	E003	Cadmium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-7S	USCU	E003	Chloride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	9.98	200	Standard	No Exceedance
MW-7S	USCU	E003	Chromium, total	mg/L	02/24/21 - 11/27/23	10	60	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E003	Cobalt, total	mg/L	02/24/21 - 11/27/23	10	10	CI around median	0.0012	0.006	Standard	No Exceedance
MW-7S	USCU	E003	Fluoride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	0.302	4.0	Standard	No Exceedance
MW-7S	USCU	E003	Lead, total	mg/L	02/24/21 - 11/27/23	10	70	CI around median	0.001	0.0075	Standard	No Exceedance
MW-7S	USCU	E003	Lithium, total	mg/L	02/24/21 - 11/27/23	10	90	CI around median	0.003	0.04	Standard	No Exceedance
MW-7S	USCU	E003	Mercury, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-7S	USCU	E003	Molybdenum, total	mg/L	02/24/21 - 11/27/23	10	70	CI around median	0.0015	0.1	Standard	No Exceedance
MW-7S	USCU	E003	pH (field)	SU	02/24/21 - 11/27/23	10	0	CI around median	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-7S	USCU	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/27/23	10	0	CI around mean	0.0731	5	Standard	No Exceedance
MW-7S	USCU	E003	Selenium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-7S	USCU	E003	Sulfate, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	408	400	Standard	Exceedance
MW-7S	USCU	E003	Thallium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-7S	USCU	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/27/23	9	0	CI around median	1,010	1,200	Standard	No Exceedance
MW-8	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-8	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-8	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	0.0204	2.0	Standard	No Exceedance
MW-8	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-8	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around median	0.954	2	Standard	No Exceedance
MW-8	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-8	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	14.9	200	Standard	No Exceedance
MW-8	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-8	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	29	CB around linear reg	0.000869	0.006	Standard	No Exceedance
MW-8	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around T-S line	0.22	4.0	Standard	No Exceedance
MW-8	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-8	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	50	CB around linear reg	0.00294	0.04	Standard	No Exceedance
MW-8	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-8	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-8	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CB around linear reg	6.4/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-8	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around median	0.21	5	Standard	No Exceedance
MW-8	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-8	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	214	400	Standard	No Exceedance
MW-8	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-8	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	766	1,200	Standard	No Exceedance
MW-11	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	20	CI around median	0.0012	0.010	Standard	No Exceedance
MW-11	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	0.129	2.0	Standard	No Exceedance
MW-11	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-11	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	1.56	2	Standard	No Exceedance
MW-11	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-11	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	29.6	200	Standard	No Exceedance
MW-11	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-11	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-11	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	0.495	4.0	Standard	No Exceedance
MW-11	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-11	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	46	CB around linear reg	0.00281	0.04	Standard	No Exceedance
MW-11	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-11	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	4	CI around median	0.0021	0.1	Standard	No Exceedance
MW-11	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CB around linear reg	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
 845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-11	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around mean	0.549	5	Standard	No Exceedance
MW-11	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	63	CI around median	0.001	0.05	Standard	No Exceedance
MW-11	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	108	400	Standard	No Exceedance
MW-11	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-11	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	588	1,200	Standard	No Exceedance
MW-12	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-12	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	93	CI around median	0.001	0.010	Standard	No Exceedance
MW-12	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	0.0569	2.0	Standard	No Exceedance
MW-12	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-12	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	2.68	2	Standard	Exceedance
MW-12	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-12	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	19.5	200	Standard	No Exceedance
MW-12	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-12	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-12	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CI around median	0.18	4.0	Standard	No Exceedance
MW-12	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-12	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	0	CI around mean	0.00842	0.04	Standard	No Exceedance
MW-12	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-12	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	86	CB around T-S line	0.00121	0.1	Standard	No Exceedance
MW-12	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CB around linear reg	6.4/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-12	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around median	0.447	5	Standard	No Exceedance
MW-12	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	97	CI around median	0.001	0.05	Standard	No Exceedance
MW-12	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	363	400	Standard	No Exceedance
MW-12	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-12	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	1,000	1,200	Standard	No Exceedance
MW-20	UA	E003	Antimony, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-20	UA	E003	Arsenic, total	mg/L	02/26/21 - 11/28/23	12	42	CI around median	0.001	0.010	Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20	UA	E003	Barium, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.103	2.0	Standard	No Exceedance
MW-20	UA	E003	Beryllium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20	UA	E003	Boron, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	0.53	2	Standard	No Exceedance
MW-20	UA	E003	Cadmium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20	UA	E003	Chloride, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	18.6	200	Standard	No Exceedance
MW-20	UA	E003	Chromium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-20	UA	E003	Cobalt, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-20	UA	E003	Fluoride, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	0.329	4.0	Standard	No Exceedance
MW-20	UA	E003	Lead, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20	UA	E003	Lithium, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	-0.0037	0.04	Standard	No Exceedance
MW-20	UA	E003	Mercury, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20	UA	E003	Molybdenum, total	mg/L	02/26/21 - 11/28/23	12	8	CB around linear reg	-0.00062	0.1	Standard	No Exceedance
MW-20	UA	E003	pH (field)	SU	02/26/21 - 11/28/23	12	0	CI around mean	6.8/7.1	5.6/9.0	Background/Standard	No Exceedance
MW-20	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/28/23	12	0	CI around mean	0.227	5	Standard	No Exceedance
MW-20	UA	E003	Selenium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20	UA	E003	Sulfate, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	139	400	Standard	No Exceedance
MW-20	UA	E003	Thallium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20	UA	E003	Total Dissolved Solids	mg/L	02/26/21 - 11/28/23	11	0	CB around linear reg	629	1,200	Standard	No Exceedance
MW-20S	USCU	E003	Antimony, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-20S	USCU	E003	Arsenic, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-20S	USCU	E003	Barium, total	mg/L	02/26/21 - 11/28/23	12	8	CI around median	0.0346	2.0	Standard	No Exceedance
MW-20S	USCU	E003	Beryllium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-20S	USCU	E003	Boron, total	mg/L	02/26/21 - 11/28/23	12	0	CB around T-S line	1.6	2	Standard	No Exceedance
MW-20S	USCU	E003	Cadmium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-20S	USCU	E003	Chloride, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	17.3	200	Standard	No Exceedance
MW-20S	USCU	E003	Chromium, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E003	Cobalt, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
 845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-20S	USCU	E003	Fluoride, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.179	4.0	Standard	No Exceedance
MW-20S	USCU	E003	Lead, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-20S	USCU	E003	Lithium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-20S	USCU	E003	Mercury, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-20S	USCU	E003	Molybdenum, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-20S	USCU	E003	pH (field)	SU	02/26/21 - 11/28/23	12	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-20S	USCU	E003	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/28/23	12	0	CI around mean	0.128	5	Standard	No Exceedance
MW-20S	USCU	E003	Selenium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-20S	USCU	E003	Sulfate, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	313	400	Standard	No Exceedance
MW-20S	USCU	E003	Thallium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-20S	USCU	E003	Total Dissolved Solids	mg/L	02/26/21 - 11/28/23	11	0	CB around linear reg	905	1,200	Standard	No Exceedance
MW-23	UA	E003	Antimony, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-23	UA	E003	Arsenic, total	mg/L	02/26/21 - 11/28/23	12	50	CI around median	0.001	0.010	Standard	No Exceedance
MW-23	UA	E003	Barium, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.0825	2.0	Standard	No Exceedance
MW-23	UA	E003	Beryllium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-23	UA	E003	Boron, total	mg/L	02/26/21 - 11/28/23	12	0	CI around median	1.91	2	Standard	No Exceedance
MW-23	UA	E003	Cadmium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-23	UA	E003	Chloride, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	24	200	Standard	No Exceedance
MW-23	UA	E003	Chromium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E003	Cobalt, total	mg/L	02/26/21 - 11/28/23	12	33	CI around median	0.001	0.006	Standard	No Exceedance
MW-23	UA	E003	Fluoride, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.345	4.0	Standard	No Exceedance
MW-23	UA	E003	Lead, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-23	UA	E003	Lithium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-23	UA	E003	Mercury, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-23	UA	E003	Molybdenum, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.0015	0.1	Standard	No Exceedance
MW-23	UA	E003	pH (field)	SU	02/26/21 - 11/28/23	12	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-23	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/28/23	12	0	CI around mean	0.236	5	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
 845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-23	UA	E003	Selenium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-23	UA	E003	Sulfate, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	40.8	400	Standard	No Exceedance
MW-23	UA	E003	Thallium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-23	UA	E003	Total Dissolved Solids	mg/L	02/26/21 - 11/28/23	11	0	CI around mean	581	1,200	Standard	No Exceedance
MW-28	UA	E003	Antimony, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-28	UA	E003	Arsenic, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-28	UA	E003	Barium, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	0.0221	2.0	Standard	No Exceedance
MW-28	UA	E003	Beryllium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-28	UA	E003	Boron, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	8.62	2	Standard	Exceedance
MW-28	UA	E003	Cadmium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-28	UA	E003	Chloride, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	12.6	200	Standard	No Exceedance
MW-28	UA	E003	Chromium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E003	Cobalt, total	mg/L	02/24/21 - 11/28/23	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-28	UA	E003	Fluoride, total	mg/L	02/24/21 - 11/28/23	12	0	CI around median	0.12	4.0	Standard	No Exceedance
MW-28	UA	E003	Lead, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-28	UA	E003	Lithium, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	0.00601	0.04	Standard	No Exceedance
MW-28	UA	E003	Mercury, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-28	UA	E003	Molybdenum, total	mg/L	02/24/21 - 11/28/23	12	92	CI around median	0.0015	0.1	Standard	No Exceedance
MW-28	UA	E003	pH (field)	SU	02/24/21 - 11/28/23	12	0	CI around mean	6.5/6.8	5.6/9.0	Background/Standard	No Exceedance
MW-28	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/28/23	12	0	CB around linear reg	0.305	5	Standard	No Exceedance
MW-28	UA	E003	Selenium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-28	UA	E003	Sulfate, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	824	400	Standard	Exceedance
MW-28	UA	E003	Thallium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-28	UA	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/28/23	11	0	CI around mean	1,640	1,200	Standard	Exceedance
MW-30	UA	E003	Antimony, total	mg/L	02/25/21 - 11/28/23	12	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-30	UA	E003	Arsenic, total	mg/L	02/25/21 - 11/28/23	12	8	CB around linear reg	0.00221	0.010	Standard	No Exceedance
MW-30	UA	E003	Barium, total	mg/L	02/25/21 - 11/28/23	12	0	CI around mean	0.152	2.0	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-30	UA	E003	Beryllium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-30	UA	E003	Boron, total	mg/L	02/25/21 - 11/28/23	12	0	CI around geomean	1.09	2	Standard	No Exceedance
MW-30	UA	E003	Cadmium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-30	UA	E003	Chloride, total	mg/L	02/25/21 - 11/28/23	12	0	CB around linear reg	38.7	200	Standard	No Exceedance
MW-30	UA	E003	Chromium, total	mg/L	02/25/21 - 11/28/23	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E003	Cobalt, total	mg/L	02/25/21 - 11/28/23	12	0	CI around mean	0.00204	0.006	Standard	No Exceedance
MW-30	UA	E003	Fluoride, total	mg/L	02/25/21 - 11/28/23	12	0	CB around linear reg	0.294	4.0	Standard	No Exceedance
MW-30	UA	E003	Lead, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-30	UA	E003	Lithium, total	mg/L	02/25/21 - 11/28/23	12	83	CB around T-S line	-0.00798	0.04	Standard	No Exceedance
MW-30	UA	E003	Mercury, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-30	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/28/23	12	33	CI around median	0.0015	0.1	Standard	No Exceedance
MW-30	UA	E003	pH (field)	SU	02/25/21 - 11/28/23	12	0	CI around mean	6.4/6.6	5.6/9.0	Background/Standard	No Exceedance
MW-30	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/28/23	12	0	CI around geomean	0.564	5	Standard	No Exceedance
MW-30	UA	E003	Selenium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-30	UA	E003	Sulfate, total	mg/L	02/25/21 - 11/28/23	12	33	CB around linear reg	-33.5	400	Standard	No Exceedance
MW-30	UA	E003	Thallium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-30	UA	E003	Total Dissolved Solids	mg/L	02/25/21 - 11/28/23	11	0	CI around median	612	1,200	Standard	No Exceedance
MW-31	UA	E003	Antimony, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-31	UA	E003	Arsenic, total	mg/L	02/24/21 - 11/27/23	12	8	CI around mean	0.00238	0.010	Standard	No Exceedance
MW-31	UA	E003	Barium, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.219	2.0	Standard	No Exceedance
MW-31	UA	E003	Beryllium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-31	UA	E003	Boron, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.236	2	Standard	No Exceedance
MW-31	UA	E003	Cadmium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31	UA	E003	Chloride, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	46	200	Standard	No Exceedance
MW-31	UA	E003	Chromium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-31	UA	E003	Cobalt, total	mg/L	02/24/21 - 11/27/23	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-31	UA	E003	Fluoride, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.167	4.0	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-31	UA	E003	Lead, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-31	UA	E003	Lithium, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.00471	0.04	Standard	No Exceedance
MW-31	UA	E003	Mercury, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31	UA	E003	Molybdenum, total	mg/L	02/24/21 - 11/27/23	12	50	CI around median	0.0015	0.1	Standard	No Exceedance
MW-31	UA	E003	pH (field)	SU	02/24/21 - 11/27/23	12	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/27/23	12	0	CI around mean	0.554	5	Standard	No Exceedance
MW-31	UA	E003	Selenium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-31	UA	E003	Sulfate, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	10	400	Standard	No Exceedance
MW-31	UA	E003	Thallium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31	UA	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	572	1,200	Standard	No Exceedance
MW-31S	USCU	E003	Antimony, total	mg/L	02/24/21 - 11/27/23	11	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-31S	USCU	E003	Arsenic, total	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	0.00544	0.010	Standard	No Exceedance
MW-31S	USCU	E003	Barium, total	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	0.19	2.0	Standard	No Exceedance
MW-31S	USCU	E003	Beryllium, total	mg/L	02/24/21 - 11/27/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance
MW-31S	USCU	E003	Boron, total	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	0.0432	2	Standard	No Exceedance
MW-31S	USCU	E003	Cadmium, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-31S	USCU	E003	Chloride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	14.6	200	Standard	No Exceedance
MW-31S	USCU	E003	Chromium, total	mg/L	02/24/21 - 11/27/23	11	46	CI around geomean	0.00168	0.1	Standard	No Exceedance
MW-31S	USCU	E003	Cobalt, total	mg/L	02/24/21 - 11/27/23	11	0	CI around geomean	0.00295	0.006	Standard	No Exceedance
MW-31S	USCU	E003	Fluoride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	0.214	4.0	Standard	No Exceedance
MW-31S	USCU	E003	Lead, total	mg/L	02/24/21 - 11/27/23	11	27	CI around geomean	0.000887	0.0075	Standard	No Exceedance
MW-31S	USCU	E003	Lithium, total	mg/L	02/24/21 - 11/27/23	11	54	CI around median	0.003	0.04	Standard	No Exceedance
MW-31S	USCU	E003	Mercury, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-31S	USCU	E003	Molybdenum, total	mg/L	02/24/21 - 11/27/23	11	27	CI around mean	0.00221	0.1	Standard	No Exceedance
MW-31S	USCU	E003	pH (field)	SU	02/24/21 - 11/27/23	12	0	CI around mean	6.5/6.7	5.6/9.0	Background/Standard	No Exceedance
MW-31S	USCU	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/27/23	10	0	CI around mean	0.884	5	Standard	No Exceedance
MW-31S	USCU	E003	Selenium, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-31S	USCU	E003	Sulfate, total	mg/L	02/24/21 - 11/27/23	10	10	CB around linear reg	-139	400	Standard	No Exceedance
MW-31S	USCU	E003	Thallium, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-31S	USCU	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/27/23	9	0	CB around linear reg	491	1,200	Standard	No Exceedance
MW-32	UA	E003	Antimony, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-32	UA	E003	Arsenic, total	mg/L	02/25/21 - 11/27/23	12	92	CI around median	0.001	0.010	Standard	No Exceedance
MW-32	UA	E003	Barium, total	mg/L	02/25/21 - 11/27/23	12	0	CB around linear reg	0.03	2.0	Standard	No Exceedance
MW-32	UA	E003	Beryllium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-32	UA	E003	Boron, total	mg/L	02/25/21 - 11/27/23	12	0	CI around mean	1.53	2	Standard	No Exceedance
MW-32	UA	E003	Cadmium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-32	UA	E003	Chloride, total	mg/L	02/25/21 - 11/27/23	12	0	CB around linear reg	9.61	200	Standard	No Exceedance
MW-32	UA	E003	Chromium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E003	Cobalt, total	mg/L	02/25/21 - 11/27/23	12	75	CI around median	0.001	0.006	Standard	No Exceedance
MW-32	UA	E003	Fluoride, total	mg/L	02/25/21 - 11/27/23	12	0	CI around mean	0.171	4.0	Standard	No Exceedance
MW-32	UA	E003	Lead, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-32	UA	E003	Lithium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.003	0.04	Standard	No Exceedance
MW-32	UA	E003	Mercury, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-32	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-32	UA	E003	pH (field)	SU	02/25/21 - 11/27/23	12	0	CI around mean	6.3/6.5	5.6/9.0	Background/Standard	No Exceedance
MW-32	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/27/23	12	0	CI around mean	0.0996	5	Standard	No Exceedance
MW-32	UA	E003	Selenium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-32	UA	E003	Sulfate, total	mg/L	02/25/21 - 11/27/23	12	0	CI around mean	397	400	Standard	No Exceedance
MW-32	UA	E003	Thallium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-32	UA	E003	Total Dissolved Solids	mg/L	02/25/21 - 11/27/23	11	0	CB around linear reg	1,020	1,200	Standard	No Exceedance
PZ-4C	UA	E003	Antimony, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E003	Arsenic, total	mg/L	02/25/21 - 11/28/23	11	46	CB around T-S line	0.001	0.010	Standard	No Exceedance
PZ-4C	UA	E003	Barium, total	mg/L	02/25/21 - 11/28/23	11	0	CI around median	0.25	2.0	Standard	No Exceedance
PZ-4C	UA	E003	Beryllium, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**  
 845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-4C	UA	E003	Boron, total	mg/L	02/25/21 - 11/28/23	11	0	CI around mean	1.37	2	Standard	No Exceedance
PZ-4C	UA	E003	Cadmium, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.001	0.005	Standard	No Exceedance
PZ-4C	UA	E003	Chloride, total	mg/L	02/25/21 - 11/28/23	11	0	CB around linear reg	30.6	200	Standard	No Exceedance
PZ-4C	UA	E003	Chromium, total	mg/L	02/25/21 - 11/28/23	11	46	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E003	Cobalt, total	mg/L	02/25/21 - 11/28/23	11	73	CI around median	0.001	0.006	Standard	No Exceedance
PZ-4C	UA	E003	Fluoride, total	mg/L	02/25/21 - 11/28/23	11	0	CI around mean	0.39	4.0	Standard	No Exceedance
PZ-4C	UA	E003	Lead, total	mg/L	02/25/21 - 11/28/23	11	54	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-4C	UA	E003	Lithium, total	mg/L	02/25/21 - 11/28/23	11	0	CI around median	0.0067	0.04	Standard	No Exceedance
PZ-4C	UA	E003	Mercury, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
PZ-4C	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/28/23	11	82	CI around median	0.0015	0.1	Standard	No Exceedance
PZ-4C	UA	E003	pH (field)	SU	02/25/21 - 11/28/23	11	0	CI around mean	6.6/7.1	5.6/9.0	Background/Standard	No Exceedance
PZ-4C	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/28/23	11	0	CI around geomean	0.465	5	Standard	No Exceedance
PZ-4C	UA	E003	Selenium, total	mg/L	02/25/21 - 11/28/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-4C	UA	E003	Sulfate, total	mg/L	02/25/21 - 11/28/23	11	0	CI around mean	59.1	400	Standard	No Exceedance
PZ-4C	UA	E003	Thallium, total	mg/L	02/25/21 - 11/28/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-4C	UA	E003	Total Dissolved Solids	mg/L	02/25/21 - 11/28/23	10	0	CI around mean	535	1,200	Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023**

845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

**Notes:**

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

USCU = Upper Semi-Confining Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

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

GWPS = Groundwater Protection Standard

GWPS Source:

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

Background = background concentration (see cover page for additional information)

## FIGURES



PROJECT: 169000XXXX | DATED: 10/7/2021 | DESIGNER: STOLZSD  
Y:\Mapping\Projects\222286\MXD\845\_Operating\_Permit\Kincaid\GMP\Figure 2-1\_Proposed Monitoring Well Network.mxd



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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

0 250 500 Feet

### MONITORING WELL LOCATION MAP

**ASH POND**  
KINCAID POWER PLANT  
KINCAID, ILLINOIS

**FIGURE 1**

RAMBOLL AMERICAS  
ENGINEERING SOLUTIONS, INC.





## **ATTACHMENTS**

**ATTACHMENT A  
SUMMARY OF GROUNDWATER ELEVATION DATA  
QUARTER 4, 2023**

**ATTACHMENT A.**  
**GROUNDWATER ELEVATION DATA - QUARTER 4, 2023**

845 QUARTERLY REPORT  
 KINCAID POWER PLANT  
 ASH POND  
 KINCAID, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-1	Background	11/27/2023	17.14	587.57
MW-2	Background	11/27/2023	8.90	592.20
MW-3	Compliance	11/27/2023	8.62	592.84
MW-5	Compliance	11/27/2023	28.57	590.87
MW-6	Compliance	11/27/2023	12.27	588.19
MW-7	Compliance	11/27/2023	9.53	588.22
MW-7S	Compliance	11/27/2023	Not Measured	
MW-8	Compliance	11/27/2023	9.67	593.47
MW-8S	Compliance	11/27/2023	Dry	
MW-11	Compliance	11/27/2023	11.74	590.07
MW-12	Compliance	11/27/2023	7.22	584.18
MW-20	Compliance	11/27/2023	8.20	592.57
MW-20S	Compliance	11/27/2023	7.92	592.72
MW-23	Compliance	11/27/2023	16.61	593.71
MW-27	Compliance	11/27/2023	Dry	
MW-28	Compliance	11/27/2023	8.15	593.25
MW-30	Compliance	11/27/2023	25.50	592.97
MW-31	Compliance	11/27/2023	33.20	584.14
MW-31S	Compliance	11/27/2023	20.31	597.23
MW-32	Compliance	11/27/2023	25.50	593.99
PZ-4C	Compliance	11/27/2023	7.56	593.01
XSG-01	Water Level	11/27/2023	5.52	602.91
SG-02	Water Level	11/27/2023	-18.28	583.08

**Notes:**

Only wells with groundwater elevations measured are included.  
 BMP = below measuring point  
 NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B  
LABORATORY REPORTS AND FIELD DATA SHEETS  
QUARTER 4, 2023**



December 13, 2023

Eric Bauer  
Ramboll  
234 W. Florida Street  
Fifth Floor  
Milwaukee, WI 53204  
TEL: (414) 837-3607  
FAX: (414) 837-3608



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

**RE: KIN-23Q4**

**WorkOrder: 23110440**

Dear Eric Bauer:

TEKLAB, INC received 28 samples on 11/29/2023 12:21:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley  
Director of Customer Service  
(618)344-1004 ex 33  
[ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
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Laboratory Results	7
Sample Summary	54
Quality Control Results	55
Receiving Check List	81
Chain of Custody	Appended

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count ( > 200 CFU )



## Definitions

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

### Qualifiers

- # - Unknown hydrocarbon
- C - RL shown is a Client Requested Quantitation Limit
- H - Holding times exceeded
- J - Analyte detected below quantitation limits
- ND - Not Detected at the Reporting Limit
- S - Spike Recovery outside recovery limits
- X - Value exceeds Maximum Contaminant Level
- B - Analyte detected in associated Method Blank
- E - Value above quantitation range
- I - Associated internal standard was outside method criteria
- M - Manual Integration used to determine area response
- R - RPD outside accepted recovery limits
- T - TIC(Tentatively identified compound)



## Case Narrative

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**Cooler Receipt Temp:** 9.0 °C

An employee of Teklab, Inc. collected the sample(s).

MW-12S, MW-12D, SG-02, and XSG-01 date/times of collection per SAR3. MW-27 and MW-8S could not be collected; the wells were dry. EAH 11/29/23

Per Eric Bauer's request, only KIN\_845\_141 data is included in this report. EAH 12/13/23

### Locations

#### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** jhriley@teklabinc.com

#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** EHurley@teklabinc.com

#### Springfield

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415  
**Phone** (217) 698-1004  
**Fax** (217) 698-1005  
**Email** KKlostermann@teklabinc.com

#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515  
**Phone** (630) 324-6855  
**Fax**  
**Email** arenner@teklabinc.com

#### Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**Email** jhriley@teklabinc.com





## Accreditations

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-001  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23

Client Sample ID: MW-1

Collection Date: 11/27/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		17.05	ft	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.2	NTU	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		85	mV	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		532	µS/cm	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.6	°C	1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.01	mg/L	1	11/27/2023 12:05	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.36		1	11/27/2023 12:05	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		160	mg/L	1	11/28/2023 11:18	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/28/2023 11:18	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		324	mg/L	1	11/28/2023 9:45	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		92	mg/L	5	12/01/2023 16:25	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	11/28/2023 11:39	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		14	mg/L	1	12/01/2023 16:15	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		58.2	mg/L	1	12/05/2023 17:08	215255
Magnesium	NELAP	0.0055	0.0500		27.0	mg/L	1	12/05/2023 17:08	215255
Potassium	NELAP	0.0400	0.100		0.276	mg/L	1	12/05/2023 17:08	215255
Sodium	NELAP	0.0180	0.0500		16.6	mg/L	1	12/05/2023 17:08	215255
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0016	mg/L	5	12/06/2023 11:09	215255
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Barium	NELAP	0.0007	0.0010		0.0453	mg/L	5	12/04/2023 17:19	215255
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Boron	NELAP	0.0092	0.0250		0.293	mg/L	5	12/04/2023 17:19	215255
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/04/2023 17:19	215255
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Lithium	*	0.0015	0.0030	J	0.0016	mg/L	5	12/04/2023 17:19	215255
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/04/2023 17:19	215255
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 17:19	215255
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 17:19	215255



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-001  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-1  
**Collection Date:** 11/27/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	<b>0.00006</b>	mg/L	1	12/05/2023 11:31	215455



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-002  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-11  
Collection Date: 11/28/2023 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		11.74	ft	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.1	NTU	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		17	mV	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		963	µS/cm	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.2	°C	1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.17	mg/L	1	11/28/2023 10:44	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.88		1	11/28/2023 10:44	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		414	mg/L	1	11/29/2023 12:10	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 12:10	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		642	mg/L	1	11/29/2023 10:16	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		128	mg/L	5	12/05/2023 10:59	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.52	mg/L	1	11/29/2023 13:02	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		32	mg/L	1	12/01/2023 16:52	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		115	mg/L	1	12/01/2023 18:30	215256
Magnesium	NELAP	0.0055	0.0500		47.3	mg/L	1	12/01/2023 18:30	215256
Potassium	NELAP	0.0400	0.100		0.873	mg/L	1	12/01/2023 18:30	215256
Sodium	NELAP	0.0180	0.0500		40.0	mg/L	1	12/01/2023 18:30	215256
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0009	0.0010		0.0026	mg/L	5	12/06/2023 11:04	215256
Arsenic	NELAP	0.0004	0.0010		0.0022	mg/L	5	12/05/2023 10:28	215256
Barium	NELAP	0.0007	0.0010		0.137	mg/L	5	12/05/2023 10:28	215256
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:07	215256
Boron	NELAP	0.0092	0.0250		1.76	mg/L	5	12/04/2023 17:07	215256
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:07	215256
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 10:28	215256
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	12/05/2023 10:28	215256
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 10:28	215256
Lithium	*	0.0015	0.0030	J	0.0025	mg/L	5	12/04/2023 17:07	215256
Molybdenum	NELAP	0.0006	0.0015		0.0031	mg/L	5	12/04/2023 17:07	215256
Selenium	NELAP	0.0006	0.0010	J	0.0009	mg/L	5	12/06/2023 11:04	215256
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 17:07	215256



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-002  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-11  
**Collection Date:** 11/28/2023 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:45	215503





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-003  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-12  
Collection Date: 11/28/2023 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.22	ft	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.3	NTU	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-38	mV	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1410	µS/cm	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		10.6	°C	1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.87	mg/L	1	11/28/2023 10:03	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.75		1	11/28/2023 10:03	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		514	mg/L	1	11/29/2023 12:16	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 12:16	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1090	mg/L	2.5	11/29/2023 10:16	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		350	mg/L	10	12/01/2023 16:59	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	11/29/2023 13:03	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		31	mg/L	1	12/01/2023 16:55	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		191	mg/L	1	12/01/2023 18:50	215256
Magnesium	NELAP	0.0055	0.0500		78.6	mg/L	1	12/01/2023 18:50	215256
Potassium	NELAP	0.0400	0.100		2.08	mg/L	1	12/01/2023 18:50	215256
Sodium	NELAP	0.0180	0.0500		46.7	mg/L	1	12/01/2023 18:50	215256
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0009	0.0010		0.0022	mg/L	5	12/06/2023 11:46	215256
Arsenic	NELAP	0.0004	0.0010		0.0011	mg/L	5	12/05/2023 11:17	215256
Barium	NELAP	0.0007	0.0010		0.0889	mg/L	5	12/05/2023 11:17	215256
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:13	215256
Boron	NELAP	0.0092	0.0250		2.78	mg/L	5	12/04/2023 17:13	215256
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 17:13	215256
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	12/05/2023 11:17	215256
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	12/04/2023 17:13	215256
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 11:17	215256
Lithium	*	0.0015	0.0030		0.0100	mg/L	5	12/04/2023 17:13	215256
Molybdenum	NELAP	0.0006	0.0015		0.0017	mg/L	5	12/04/2023 17:13	215256
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/06/2023 11:46	215256
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 17:13	215256



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-003  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-12  
**Collection Date:** 11/28/2023 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:48	215503



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-004  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-12S  
**Collection Date:** 11/27/2023 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.89	ft	1	11/27/2023 10:53	R339877



**Laboratory Results**

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**Lab ID:** 23110440-005

**Client Sample ID:** MW-12D

**Matrix:** GROUNDWATER

**Collection Date:** 11/27/2023 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		4.56	ft	1	11/27/2023 10:52	R339877



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-006  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23

Client Sample ID: MW-2

Collection Date: 11/27/2023 11:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.11	ft	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		54	NTU	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		8	mV	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		779	µS/cm	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.3	°C	1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.82	mg/L	1	11/27/2023 11:11	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.95		1	11/27/2023 11:11	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		256	mg/L	1	11/28/2023 11:42	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/28/2023 11:42	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		485	mg/L	2.5	11/28/2023 9:46	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		140	mg/L	10	12/01/2023 17:07	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.45	mg/L	1	11/28/2023 11:44	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		15	mg/L	1	12/01/2023 17:03	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	95.0	mg/L	1	12/01/2023 18:31	215256
Magnesium	NELAP	0.0055	0.0500	S	33.7	mg/L	1	12/01/2023 18:31	215256
Potassium	NELAP	0.0400	0.100		1.34	mg/L	1	12/01/2023 18:31	215256
Sodium	NELAP	0.0180	0.0500	S	22.8	mg/L	1	12/01/2023 18:31	215256
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0009	0.0010		< 0.0010	mg/L	5	12/06/2023 12:23	215256
Arsenic	NELAP	0.0004	0.0010		0.0023	mg/L	5	12/05/2023 12:00	215256
Barium	NELAP	0.0007	0.0010		0.123	mg/L	5	12/05/2023 12:00	215256
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 18:50	215256
Boron	NELAP	0.0092	0.0250		0.0745	mg/L	5	12/04/2023 18:50	215256
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 18:50	215256
Chromium	NELAP	0.0007	0.0015		0.0020	mg/L	5	12/05/2023 12:00	215256
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	12/04/2023 18:50	215256
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	12/05/2023 12:00	215256
Lithium	*	0.0015	0.0030		0.0056	mg/L	5	12/04/2023 18:50	215256
Molybdenum	NELAP	0.0006	0.0015		0.0075	mg/L	5	12/04/2023 18:50	215256
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/06/2023 12:23	215256
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/04/2023 18:50	215256





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-006  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-2  
**Collection Date:** 11/27/2023 11:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	<b>0.00006</b>	mg/L	1	12/05/2023 11:34	215455



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-007  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-20  
Collection Date: 11/28/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.20	ft	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		65	NTU	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		18	mV	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		993	µS/cm	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.8	°C	1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.35	mg/L	1	11/28/2023 13:20	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.09		1	11/28/2023 13:20	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		414	mg/L	1	11/29/2023 12:23	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	11/29/2023 12:23	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		656	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		149	mg/L	10	12/01/2023 17:15	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.38	mg/L	1	11/29/2023 13:05	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		20	mg/L	1	12/01/2023 17:11	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		120	mg/L	1	12/05/2023 17:50	215420
Magnesium	NELAP	0.0055	0.0500		65.8	mg/L	1	12/05/2023 17:50	215420
Potassium	NELAP	0.0400	0.100		1.30	mg/L	1	12/05/2023 17:50	215420
Sodium	NELAP	0.0180	0.0500		25.0	mg/L	1	12/05/2023 17:50	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0022	mg/L	5	12/06/2023 12:59	215420
Arsenic	NELAP	0.0004	0.0010		0.0017	mg/L	5	12/04/2023 23:55	215420
Barium	NELAP	0.0007	0.0010		0.103	mg/L	5	12/04/2023 23:55	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Boron	NELAP	0.0092	0.0250		0.592	mg/L	5	12/04/2023 23:55	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	12/04/2023 23:55	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	12/04/2023 23:55	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Lithium	*	0.0015	0.0030		0.0049	mg/L	5	12/04/2023 23:55	215420
Molybdenum	NELAP	0.0006	0.0015		0.0034	mg/L	5	12/06/2023 12:59	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/04/2023 23:55	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 15:54	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-007  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-20  
**Collection Date:** 11/28/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:56	215503



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-008  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-20S  
Collection Date: 11/28/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.92	ft	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.3	NTU	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		102	mV	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1350	µS/cm	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.8	°C	1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		3.17	mg/L	1	11/28/2023 12:41	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.01		1	11/28/2023 12:41	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		472	mg/L	1	11/29/2023 12:30	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 12:30	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		925	mg/L	2.5	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		356	mg/L	10	12/01/2023 17:24	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	11/29/2023 13:07	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		19	mg/L	1	12/01/2023 17:19	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		168	mg/L	1	12/05/2023 17:51	215420
Magnesium	NELAP	0.0055	0.0500		91.0	mg/L	1	12/05/2023 17:51	215420
Potassium	NELAP	0.0400	0.100		0.277	mg/L	1	12/05/2023 17:51	215420
Sodium	NELAP	0.0180	0.0500		28.2	mg/L	1	12/05/2023 17:51	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0011	mg/L	5	12/06/2023 13:05	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	12/05/2023 0:01	215420
Barium	NELAP	0.0007	0.0010		0.0438	mg/L	5	12/05/2023 0:01	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Boron	NELAP	0.0092	0.0250		1.64	mg/L	5	12/05/2023 0:01	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Chromium	NELAP	0.0007	0.0015		0.0015	mg/L	5	12/05/2023 0:01	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	12/05/2023 0:01	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:01	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 13:05	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:01	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:00	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-008  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-20S  
**Collection Date:** 11/28/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 11:59	215503





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-009  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-23  
Collection Date: 11/28/2023 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		16.61	ft	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.4	NTU	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		43	mV	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		947	µS/cm	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.0	°C	1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.52	mg/L	1	11/28/2023 11:21	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.96		1	11/28/2023 11:21	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		486	mg/L	1	11/29/2023 12:36	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 12:36	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		604	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		33	mg/L	1	12/01/2023 17:42	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.39	mg/L	1	11/29/2023 13:09	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		25	mg/L	1	12/01/2023 17:43	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		106	mg/L	1	12/05/2023 17:51	215420
Magnesium	NELAP	0.0055	0.0500		51.8	mg/L	1	12/05/2023 17:51	215420
Potassium	NELAP	0.0400	0.100		0.471	mg/L	1	12/05/2023 17:51	215420
Sodium	NELAP	0.0180	0.0500		46.8	mg/L	1	12/05/2023 17:51	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	12/06/2023 13:10	215420
Arsenic	NELAP	0.0004	0.0010		0.0021	mg/L	5	12/05/2023 0:07	215420
Barium	NELAP	0.0007	0.0010		0.0985	mg/L	5	12/05/2023 0:07	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Boron	NELAP	0.0092	0.0250		2.10	mg/L	5	12/05/2023 0:07	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:07	215420
Cobalt	NELAP	0.0001	0.0010		0.0013	mg/L	5	12/05/2023 0:07	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:07	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0012	mg/L	5	12/06/2023 13:10	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:07	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:06	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-009  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-23  
**Collection Date:** 11/28/2023 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 12:06	215503



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-010  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-27  
**Collection Date:** 11/28/2023 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		15.33	ft	1	11/28/2023 11:01	R339877
<i>Depth is to Top of Pump; no measureable groundwater.</i>									



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-011  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-28  
Collection Date: 11/28/2023 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.11	ft	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		2.8	NTU	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		77	mV	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1890	µS/cm	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.5	°C	1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.04	mg/L	1	11/28/2023 14:23	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.58		1	11/28/2023 14:23	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		444	mg/L	1	11/29/2023 12:43	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 12:43	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1780	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		891	mg/L	20	12/01/2023 17:55	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.15	mg/L	1	11/29/2023 13:10	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		13	mg/L	1	12/01/2023 17:51	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		251	mg/L	1	12/05/2023 17:52	215420
Magnesium	NELAP	0.0055	0.0500		123	mg/L	1	12/05/2023 17:52	215420
Potassium	NELAP	0.0400	0.100		1.04	mg/L	1	12/05/2023 17:52	215420
Sodium	NELAP	0.0180	0.0500		125	mg/L	1	12/05/2023 17:52	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	12/06/2023 13:15	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	12/05/2023 0:14	215420
Barium	NELAP	0.0007	0.0010		0.0282	mg/L	5	12/05/2023 0:14	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Boron	NELAP	0.0092	0.0250		8.20	mg/L	5	12/05/2023 0:14	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:14	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0007	mg/L	5	12/05/2023 0:14	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Lithium	*	0.0015	0.0030		0.0061	mg/L	5	12/05/2023 0:14	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 13:15	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:14	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:12	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-011  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-28  
**Collection Date:** 11/28/2023 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:03	215504



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-012  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-3  
Collection Date: 11/28/2023 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.62	ft	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		6.2	NTU	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		66	mV	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		882	µS/cm	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		12.8	°C	1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.59	mg/L	1	11/28/2023 12:08	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.97		1	11/28/2023 12:08	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		358	mg/L	1	11/29/2023 12:50	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 12:50	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		576	mg/L	1	11/29/2023 10:17	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		142	mg/L	5	12/01/2023 18:04	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	11/29/2023 13:13	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		28	mg/L	1	12/01/2023 17:59	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		89.8	mg/L	1	12/05/2023 17:56	215420
Magnesium	NELAP	0.0055	0.0500		49.4	mg/L	1	12/05/2023 17:56	215420
Potassium	NELAP	0.0400	0.100		0.314	mg/L	1	12/05/2023 17:56	215420
Sodium	NELAP	0.0180	0.0500		47.7	mg/L	1	12/05/2023 17:56	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0018	mg/L	5	12/06/2023 14:13	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	12/05/2023 0:20	215420
Barium	NELAP	0.0007	0.0010		0.0461	mg/L	5	12/05/2023 0:20	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Boron	NELAP	0.0092	0.0250		1.68	mg/L	5	12/05/2023 0:20	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:20	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	12/05/2023 0:20	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Lithium	*	0.0015	0.0030	J	0.0017	mg/L	5	12/05/2023 0:20	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0010	mg/L	5	12/06/2023 14:13	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:20	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:19	215420





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-012  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-3  
**Collection Date:** 11/28/2023 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:06	215504



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-013  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-30  
Collection Date: 11/28/2023 12:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.56	ft	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		35	NTU	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-66	mV	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1040	µS/cm	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.5	°C	1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.38	mg/L	1	11/28/2023 12:24	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.57		1	11/28/2023 12:24	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		550	mg/L	1	11/29/2023 12:56	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 12:56	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		635	mg/L	2.5	11/29/2023 10:18	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 18:06	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	11/29/2023 13:15	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		41	mg/L	1	12/01/2023 18:07	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		108	mg/L	1	12/05/2023 17:57	215420
Magnesium	NELAP	0.0055	0.0500		58.2	mg/L	1	12/05/2023 17:57	215420
Potassium	NELAP	0.0400	0.100		0.792	mg/L	1	12/05/2023 17:57	215420
Sodium	NELAP	0.0180	0.0500		50.5	mg/L	1	12/05/2023 17:57	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0010	mg/L	5	12/06/2023 14:18	215420
Arsenic	NELAP	0.0004	0.0010		0.0048	mg/L	5	12/05/2023 0:26	215420
Barium	NELAP	0.0007	0.0010		0.163	mg/L	5	12/05/2023 0:26	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Boron	NELAP	0.0092	0.0250		1.09	mg/L	5	12/05/2023 0:26	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	12/05/2023 0:26	215420
Cobalt	NELAP	0.0001	0.0010		0.0021	mg/L	5	12/05/2023 0:26	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:26	215420
Molybdenum	NELAP	0.0006	0.0015		0.0018	mg/L	5	12/06/2023 14:18	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:26	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:25	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-013  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-30  
**Collection Date:** 11/28/2023 12:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:08	215504



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-014  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-31  
Collection Date: 11/27/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		33.20	ft	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.9	NTU	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-52	mV	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		981	µS/cm	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.1	°C	1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		2.30	mg/L	1	11/27/2023 13:47	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.65		1	11/27/2023 13:47	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		541	mg/L	1	11/28/2023 11:48	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/28/2023 11:48	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		580	mg/L	2.5	11/28/2023 9:46	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 18:14	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	11/28/2023 11:45	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		41	mg/L	1	12/01/2023 18:14	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		121	mg/L	1	12/05/2023 17:58	215420
Magnesium	NELAP	0.0055	0.0500		60.1	mg/L	1	12/05/2023 17:58	215420
Potassium	NELAP	0.0400	0.100		0.847	mg/L	1	12/05/2023 17:58	215420
Sodium	NELAP	0.0180	0.0500		24.2	mg/L	1	12/05/2023 17:58	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	12/06/2023 14:23	215420
Arsenic	NELAP	0.0004	0.0010		0.0027	mg/L	5	12/05/2023 0:32	215420
Barium	NELAP	0.0007	0.0010		0.269	mg/L	5	12/05/2023 0:32	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Boron	NELAP	0.0092	0.0250		0.210	mg/L	5	12/05/2023 0:32	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:32	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	12/05/2023 0:32	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Lithium	*	0.0015	0.0030		0.0059	mg/L	5	12/05/2023 0:32	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0006	mg/L	5	12/06/2023 14:23	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:32	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:31	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-014  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-31  
**Collection Date:** 11/27/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	S	< 0.00020	mg/L	1	12/05/2023 11:40	215455
<i>Matrix spike did not recover within control limits due to sample composition. Verified by re-prep and re-analysis.</i>									



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-015  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-31S  
Collection Date: 11/27/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		20.31	ft	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		9.5	NTU	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-86	mV	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1230	µS/cm	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.0	°C	1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.34	mg/L	1	11/27/2023 13:09	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.54		1	11/27/2023 13:09	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		742	mg/L	1	11/28/2023 11:55	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/28/2023 11:55	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		730	mg/L	2.5	11/28/2023 9:46	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 18:38	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	11/28/2023 11:47	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		15	mg/L	1	12/01/2023 18:39	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		143	mg/L	1	12/05/2023 17:58	215420
Magnesium	NELAP	0.0055	0.0500		82.1	mg/L	1	12/05/2023 17:58	215420
Potassium	NELAP	0.0400	0.100		1.14	mg/L	1	12/05/2023 17:58	215420
Sodium	NELAP	0.0180	0.0500		21.8	mg/L	1	12/05/2023 17:58	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	12/06/2023 14:28	215420
Arsenic	NELAP	0.0004	0.0010		0.0147	mg/L	5	12/05/2023 0:38	215420
Barium	NELAP	0.0007	0.0010		0.373	mg/L	5	12/05/2023 0:38	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:38	215420
Boron	NELAP	0.0092	0.0250		0.0555	mg/L	5	12/05/2023 0:38	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:38	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:38	215420
Cobalt	NELAP	0.0001	0.0010		0.0042	mg/L	5	12/05/2023 0:38	215420
Lead	NELAP	0.0006	0.0010		0.0010	mg/L	5	12/05/2023 0:38	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:38	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 14:28	215420
Selenium	NELAP	0.0006	0.0010	J	0.0009	mg/L	5	12/05/2023 0:38	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:37	215420





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-015  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-31S  
**Collection Date:** 11/27/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/05/2023 11:49	215455



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-016  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-32  
Collection Date: 11/27/2023 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.50	ft	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.3	NTU	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		142	mV	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1390	µS/cm	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.1	°C	1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.38	mg/L	1	11/27/2023 11:32	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.38		1	11/27/2023 11:32	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		508	mg/L	1	11/28/2023 11:28	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/28/2023 11:28	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1060	mg/L	2.5	11/28/2023 9:47	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		356	mg/L	10	12/05/2023 11:02	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	11/28/2023 11:40	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		11	mg/L	1	12/01/2023 18:47	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		163	mg/L	1	12/05/2023 17:59	215420
Magnesium	NELAP	0.0055	0.0500		90.1	mg/L	1	12/05/2023 17:59	215420
Potassium	NELAP	0.0400	0.100		0.418	mg/L	1	12/05/2023 17:59	215420
Sodium	NELAP	0.0180	0.0500		65.1	mg/L	1	12/05/2023 17:59	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:33	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Barium	NELAP	0.0007	0.0010		0.0505	mg/L	5	12/05/2023 0:44	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Boron	NELAP	0.0092	0.0250		1.61	mg/L	5	12/05/2023 0:44	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 0:44	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	12/05/2023 0:44	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 0:44	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 14:33	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:44	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 16:43	215420



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-016  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-32  
**Collection Date:** 11/27/2023 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/05/2023 11:52	215455



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-017  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23

Client Sample ID: MW-5

Collection Date: 11/27/2023 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		28.57	ft	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		10	NTU	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		21	mV	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1220	µS/cm	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		10.9	°C	1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	11/27/2023 12:31	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.62		1	11/27/2023 12:31	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		678	mg/L	1	11/28/2023 11:34	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/28/2023 11:34	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		760	mg/L	1	11/28/2023 9:47	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		13	mg/L	1	12/06/2023 16:12	R340185
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	11/28/2023 11:42	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		44	mg/L	1	12/01/2023 18:54	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		146	mg/L	1	12/05/2023 18:00	215420
Magnesium	NELAP	0.0055	0.0500		82.3	mg/L	1	12/05/2023 18:00	215420
Potassium	NELAP	0.0400	0.100		0.722	mg/L	1	12/05/2023 18:00	215420
Sodium	NELAP	0.0180	0.0500		28.0	mg/L	1	12/05/2023 18:00	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:44	215420
Arsenic	NELAP	0.0004	0.0010		0.0015	mg/L	5	12/05/2023 0:50	215420
Barium	NELAP	0.0007	0.0010		0.162	mg/L	5	12/05/2023 0:50	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Boron	NELAP	0.0092	0.0250		0.513	mg/L	5	12/05/2023 0:50	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	12/05/2023 0:50	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	12/05/2023 0:50	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Lithium	*	0.0015	0.0030	J	0.0029	mg/L	5	12/05/2023 0:50	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 14:44	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 0:50	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:14	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-017  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-5  
**Collection Date:** 11/27/2023 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 10:50	215461



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-018  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-6  
Collection Date: 11/28/2023 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		12.05	ft	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		15	NTU	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		74	mV	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		923	µS/cm	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.6	°C	1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		3.19	mg/L	1	11/28/2023 13:36	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.40		1	11/28/2023 13:36	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		314	mg/L	1	11/29/2023 13:03	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 13:03	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		670	mg/L	1	11/29/2023 10:18	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		222	mg/L	10	12/05/2023 11:10	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	11/29/2023 13:25	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		9	mg/L	1	12/01/2023 18:57	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		110	mg/L	1	12/05/2023 18:01	215420
Magnesium	NELAP	0.0055	0.0500		51.3	mg/L	1	12/05/2023 18:01	215420
Potassium	NELAP	0.0400	0.100		0.500	mg/L	1	12/05/2023 18:01	215420
Sodium	NELAP	0.0180	0.0500		30.4	mg/L	1	12/05/2023 18:01	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:49	215420
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	12/05/2023 1:21	215420
Barium	NELAP	0.0007	0.0010		0.0503	mg/L	5	12/05/2023 1:21	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Boron	NELAP	0.0092	0.0250		1.44	mg/L	5	12/05/2023 1:21	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	12/05/2023 1:21	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	12/05/2023 1:21	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Lithium	*	0.0015	0.0030	J	0.0018	mg/L	5	12/05/2023 1:21	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 14:49	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:21	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:20	215420





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-018  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-6  
**Collection Date:** 11/28/2023 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:11	215504



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-019  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-7  
Collection Date: 11/27/2023 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.44	ft	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		11	NTU	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		27	mV	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1290	µS/cm	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.7	°C	1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.32	mg/L	1	11/27/2023 13:35	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.75		1	11/27/2023 13:35	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		418	mg/L	1	11/28/2023 12:03	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	11/28/2023 12:03	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1000	mg/L	2.5	11/28/2023 9:47	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		360	mg/L	10	12/05/2023 11:12	R340126
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.28	mg/L	1	11/28/2023 11:49	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		8	mg/L	1	12/01/2023 19:05	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		174	mg/L	1	12/05/2023 18:01	215420
Magnesium	NELAP	0.0055	0.0500		82.0	mg/L	1	12/05/2023 18:01	215420
Potassium	NELAP	0.0400	0.100		2.25	mg/L	1	12/05/2023 18:01	215420
Sodium	NELAP	0.0180	0.0500		26.8	mg/L	1	12/05/2023 18:01	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:54	215420
Arsenic	NELAP	0.0004	0.0010		0.0010	mg/L	5	12/05/2023 1:27	215420
Barium	NELAP	0.0007	0.0010		0.0605	mg/L	5	12/05/2023 1:27	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Boron	NELAP	0.0092	0.0250		0.563	mg/L	5	12/05/2023 1:27	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:27	215420
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	12/05/2023 1:27	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Lithium	*	0.0015	0.0030	J	0.0028	mg/L	5	12/05/2023 1:27	215420
Molybdenum	NELAP	0.0006	0.0015		0.0023	mg/L	5	12/06/2023 14:54	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:27	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:26	215420



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-019  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-7  
Collection Date: 11/27/2023 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 10:52	215461



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-020  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-7S  
Collection Date: 11/27/2023 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		10.24	ft	1	11/27/2023 12:54	R339877
<i>Depth is to Top of Pump; no measureable groundwater.</i>									
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.5	NTU	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-56	mV	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1610	µS/cm	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.8	°C	1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.86	mg/L	1	11/27/2023 12:54	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.68		1	11/27/2023 12:54	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		417	mg/L	1	11/28/2023 12:10	R339794
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/28/2023 12:10	R339794
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1300	mg/L	2.5	11/28/2023 9:53	R339837
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		525	mg/L	20	12/01/2023 19:31	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	11/28/2023 11:50	R339781
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		9	mg/L	1	12/01/2023 19:13	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		180	mg/L	1	12/05/2023 18:02	215420
Magnesium	NELAP	0.0055	0.0500		74.8	mg/L	1	12/05/2023 18:02	215420
Potassium	NELAP	0.0400	0.100		2.91	mg/L	1	12/05/2023 18:02	215420
Sodium	NELAP	0.0180	0.0500		106	mg/L	1	12/05/2023 18:02	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 14:59	215420
Arsenic	NELAP	0.0004	0.0010		0.0095	mg/L	5	12/05/2023 1:33	215420
Barium	NELAP	0.0007	0.0010		0.0359	mg/L	5	12/05/2023 1:33	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Boron	NELAP	0.0092	0.0250		4.81	mg/L	5	12/05/2023 1:33	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:33	215420
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	12/05/2023 1:33	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 1:33	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0014	mg/L	5	12/06/2023 14:59	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:33	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:32	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-020  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-7S  
**Collection Date:** 11/27/2023 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 10:54	215461



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-021  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-8  
Collection Date: 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.52	ft	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.6	NTU	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		110	mV	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1170	µS/cm	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.1	°C	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.94	mg/L	1	11/28/2023 10:35	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.41		1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		453	mg/L	1	11/29/2023 13:08	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 13:08	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		808	mg/L	1	11/29/2023 10:18	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		222	mg/L	10	12/01/2023 19:39	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	11/29/2023 13:28	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		21	mg/L	1	12/01/2023 19:35	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	147	mg/L	1	12/05/2023 18:06	215420
Magnesium	NELAP	0.0055	0.0500	S	72.2	mg/L	1	12/05/2023 18:06	215420
Potassium	NELAP	0.0400	0.100		0.582	mg/L	1	12/05/2023 18:06	215420
Sodium	NELAP	0.0180	0.0500		30.2	mg/L	1	12/05/2023 18:06	215420
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/06/2023 15:41	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Barium	NELAP	0.0007	0.0010		0.0311	mg/L	5	12/05/2023 2:03	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Boron	NELAP	0.0092	0.0250		1.03	mg/L	5	12/05/2023 2:03	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 2:03	215420
Cobalt	NELAP	0.0001	0.0010		0.0013	mg/L	5	12/05/2023 2:03	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Lithium	*	0.0015	0.0030	J	0.0019	mg/L	5	12/05/2023 2:03	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 15:41	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 2:03	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:57	215420





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-021  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-8  
**Collection Date:** 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:13	215504



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-022  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-8S  
**Collection Date:** 11/27/2023 14:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.50	ft	1	11/27/2023 14:17	R339877
<i>Depth is to Top of Pump; no measureable groundwater.</i>									



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-024  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: PZ-4C  
Collection Date: 11/28/2023 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.56	ft	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		13	NTU	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-295	mV	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		877	µS/cm	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.6	°C	1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.00	mg/L	1	11/28/2023 14:01	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.36		1	11/28/2023 14:01	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		420	mg/L	1	11/29/2023 13:15	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 13:15	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		535	mg/L	2.5	11/29/2023 10:26	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		38	mg/L	1	12/01/2023 19:50	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.40	mg/L	1	11/29/2023 13:30	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		35	mg/L	1	12/01/2023 19:50	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		106	mg/L	1	12/05/2023 18:09	215420
Magnesium	NELAP	0.0055	0.0500		44.9	mg/L	1	12/05/2023 18:09	215420
Potassium	NELAP	0.0400	0.100		1.28	mg/L	1	12/05/2023 18:09	215420
Sodium	NELAP	0.0180	0.0500		36.2	mg/L	1	12/05/2023 18:09	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		0.0014	mg/L	5	12/06/2023 15:31	215420
Arsenic	NELAP	0.0004	0.0010		0.0013	mg/L	5	12/05/2023 1:45	215420
Barium	NELAP	0.0007	0.0010		0.277	mg/L	5	12/05/2023 1:45	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Boron	NELAP	0.0092	0.0250		1.59	mg/L	5	12/05/2023 1:45	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	12/05/2023 1:45	215420
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	12/05/2023 1:45	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Lithium	*	0.0015	0.0030		0.0077	mg/L	5	12/05/2023 1:45	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0009	mg/L	5	12/06/2023 15:31	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:45	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:45	215420



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-024  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: PZ-4C  
Collection Date: 11/28/2023 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:24	215504



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110440  
**Report Date:** 13-Dec-23

**Lab ID:** 23110440-025

**Client Sample ID:** SG-02

**Matrix:** GROUNDWATER

**Collection Date:** 11/27/2023 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.73	ft	1	11/27/2023 10:30	R339877



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**Lab ID:** 23110440-026

**Client Sample ID:** XSG-01

**Matrix:** GROUNDWATER

**Collection Date:** 11/27/2023 9:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		5.52	ft	1	11/27/2023 9:49	R339877



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-027  
Matrix: AQUEOUS

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: Field Blank  
Collection Date: 11/29/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		1	mg/L	1	11/30/2023 9:03	R339918
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	11/30/2023 9:03	R339918
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	11/29/2023 13:47	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		< 10	mg/L	1	12/01/2023 19:58	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	11/30/2023 10:09	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		< 4	mg/L	1	12/01/2023 19:58	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	12/05/2023 18:10	215420
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	12/05/2023 18:10	215420
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	12/05/2023 18:10	215420
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	12/05/2023 18:10	215420
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	12/06/2023 15:36	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Boron	NELAP	0.0092	0.025	J	0.0094	mg/L	5	12/05/2023 1:51	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:51	215420
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	12/05/2023 1:51	215420
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	12/06/2023 15:36	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:51	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 17:51	215420
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:26	215504





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll  
Client Project: KIN-23Q4  
Lab ID: 23110440-028  
Matrix: GROUNDWATER

Work Order: 23110440  
Report Date: 13-Dec-23  
Client Sample ID: MW-8 Duplicate  
Collection Date: 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		9.52	ft	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.6	NTU	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		110	mV	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1170	µS/cm	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.1	°C	1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.94	mg/L	1	11/28/2023 10:35	R339877
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.41		1	11/28/2023 10:35	R339877
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		454	mg/L	1	11/29/2023 13:21	R339844
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	11/29/2023 13:21	R339844
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		820	mg/L	1	11/29/2023 10:27	R339908
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		228	mg/L	10	12/01/2023 20:06	R340009
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	11/29/2023 13:32	R339841
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		21	mg/L	1	12/01/2023 20:01	R340022
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		141	mg/L	1	12/05/2023 18:11	215420
Magnesium	NELAP	0.0055	0.0500		70.2	mg/L	1	12/05/2023 18:11	215420
Potassium	NELAP	0.0400	0.100		0.575	mg/L	1	12/05/2023 18:11	215420
Sodium	NELAP	0.0180	0.0500		29.9	mg/L	1	12/05/2023 18:11	215420
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	12/06/2023 14:38	215420
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Barium	NELAP	0.0007	0.0010		0.0312	mg/L	5	12/05/2023 1:57	215420
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Boron	NELAP	0.0092	0.0250		1.02	mg/L	5	12/05/2023 1:57	215420
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	12/05/2023 1:57	215420
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	12/05/2023 1:57	215420
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Lithium	*	0.0015	0.0030	J	0.0019	mg/L	5	12/05/2023 1:57	215420
Molybdenum	NELAP	0.0006	0.0015	J	0.0006	mg/L	5	12/06/2023 14:38	215420
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	12/05/2023 1:57	215420
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	12/05/2023 19:30	215420



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110440-028  
**Matrix:** GROUNDWATER

**Work Order:** 23110440  
**Report Date:** 13-Dec-23  
**Client Sample ID:** MW-8 Duplicate  
**Collection Date:** 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	12/06/2023 13:33	215504



## Sample Summary

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110440  
**Report Date:** 13-Dec-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23110440-001	MW-1	Groundwater	2	11/27/2023 12:05
23110440-002	MW-11	Groundwater	2	11/28/2023 10:44
23110440-003	MW-12	Groundwater	2	11/28/2023 10:03
23110440-004	MW-12S	Groundwater	1	11/27/2023 10:53
23110440-005	MW-12D	Groundwater	1	11/27/2023 10:52
23110440-006	MW-2	Groundwater	2	11/27/2023 11:11
23110440-007	MW-20	Groundwater	2	11/28/2023 13:20
23110440-008	MW-20S	Groundwater	2	11/28/2023 12:41
23110440-009	MW-23	Groundwater	2	11/28/2023 11:21
23110440-010	MW-27	Groundwater	2	11/28/2023 11:01
23110440-011	MW-28	Groundwater	2	11/28/2023 14:23
23110440-012	MW-3	Groundwater	2	11/28/2023 12:08
23110440-013	MW-30	Groundwater	2	11/28/2023 12:24
23110440-014	MW-31	Groundwater	2	11/27/2023 13:47
23110440-015	MW-31S	Groundwater	2	11/27/2023 13:09
23110440-016	MW-32	Groundwater	2	11/27/2023 11:32
23110440-017	MW-5	Groundwater	2	11/27/2023 12:31
23110440-018	MW-6	Groundwater	2	11/28/2023 13:36
23110440-019	MW-7	Groundwater	2	11/27/2023 13:35
23110440-020	MW-7S	Groundwater	2	11/27/2023 12:54
23110440-021	MW-8	Groundwater	2	11/28/2023 10:35
23110440-022	MW-8S	Groundwater	2	11/27/2023 14:17
23110440-024	PZ-4C	Groundwater	2	11/28/2023 14:01
23110440-025	SG-02	Groundwater	1	11/27/2023 10:30
23110440-026	XSG-01	Groundwater	1	11/27/2023 9:49
23110440-027	Field Blank	Aqueous	2	11/29/2023 10:35
23110440-028	MW-8 Duplicate	Groundwater	2	11/28/2023 10:35



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110440  
**Report Date:** 13-Dec-23

### STANDARD METHODS 2510 B FIELD

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1420</b>	1412	0	100.2	90	110	11/27/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1420</b>	1412	0	100.4	90	110	11/27/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1430</b>	1412	0	101.6	90	110	11/28/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1420</b>	1412	0	100.2	90	110	11/28/2023	

Batch R339877		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R339877-5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		<b>1440</b>	1412	0	102.1	90	110	11/29/2023	

### SW-846 9040B FIELD

Batch R339877		SampType: LCS		Units							
SampID: LCS-R339877-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		<b>7.10</b>	7.000	0	101.4	98.57	101.4	11/27/2023	

Batch R339877		SampType: LCS		Units							
SampID: LCS-R339877-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		<b>7.01</b>	7.000	0	100.1	98.57	101.4	11/27/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9040B FIELD

Batch R339877		SampType: LCS		Units							Date Analyzed
SampID: LCS-R339877-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	11/28/2023	

Batch R339877		SampType: LCS		Units							Date Analyzed
SampID: LCS-R339877-4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.05	7.000	0	100.7	98.57	101.4	11/28/2023	

Batch R339877		SampType: LCS		Units							Date Analyzed
SampID: LCS-R339877-5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.04	7.000	0	100.6	98.57	101.4	11/29/2023	

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R339837		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/28/2023	

Batch R339837		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		994	1000	0	99.4	90	110	11/28/2023	

Batch R339837		SampType: DUP		Units mg/L							Date Analyzed
SampID: 23110440-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	RPD Limit 10	
Total Dissolved Solids		20		338				324.0	4.23		11/28/2023

Batch R339908		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/29/2023	



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110440  
**Report Date:** 13-Dec-23

### STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R339908		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		<b>970</b>	1000	0	97.0	90	110	11/29/2023	

Batch R339908		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23111973-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		<b>498</b>				508.0	1.99	11/29/2023		

Batch R339971		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		<b>&lt; 20</b>	16.00	0	0	-100	100	11/30/2023	

Batch R339971		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		<b>990</b>	1000	0	99.0	90	110	11/30/2023	

Batch R339971		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112078-012ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		<b>350</b>				380.0	8.22	12/01/2023		

### SW-846 9036 (TOTAL)

Batch R340009		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>&lt; 10</b>	6.140	0	0	-100	100	12/01/2023	

Batch R340009		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	95.5	90	110	12/01/2023	



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 9036 (TOTAL)**

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		<b>192</b>	100.0	91.92	100.2	85	115	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23110440-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		<b>188</b>	100.0	91.92	95.7	192.1	2.34	12/01/2023		

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23111685-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>370</b>	200.0	176.4	96.8	90	110	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23111685-001CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>369</b>	200.0	176.4	96.3	370.1	0.26	12/01/2023		

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23111785-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	<b>42</b>	20.00	35.33	35.0	90	110	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23111785-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	<b>42</b>	20.00	35.33	33.1	42.32	0.88	12/01/2023		

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112066-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	S	<b>59</b>	40.00	23.04	88.7	90	110	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112066-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		<b>59</b>	40.00	23.04	90.2	58.51	1.00	12/01/2023		





## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 9036 (TOTAL)**

Batch R340009		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112078-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>316</b>	200.0	133.3	91.2	85	115	12/01/2023	

Batch R340009		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112078-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>319</b>	200.0	133.3	92.9	315.7	1.06	12/01/2023		

Batch R340126		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>&lt; 10</b>	6.140	0	0	-100	100	12/05/2023	

Batch R340126		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	95.0	90	110	12/05/2023	

Batch R340126		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112078-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		<b>92</b>	40.00	53.68	94.8	85	115	12/05/2023	

Batch R340126		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112078-010AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		<b>92</b>	40.00	53.68	96.7	91.58	0.84	12/05/2023		

Batch R340126		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120036-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	94.3	90	110	12/05/2023	

Batch R340126		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120036-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		<b>19</b>	20.00	0	96.5	18.86	2.31	12/05/2023		



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 9036 (TOTAL)**

Batch R340126		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120190-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>32</b>	20.00	14.61	85.0	85	115	12/05/2023	

Batch R340126		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120190-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		<b>32</b>	20.00	14.61	85.0	31.60	0.06	12/05/2023		

Batch R340185		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>&lt; 10</b>	6.140	0	0	-100	100	12/06/2023	

Batch R340185		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>21</b>	20.00	0	107.4	90	110	12/06/2023	

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112017-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		<b>390</b>	200.0	207.1	91.7	85	115	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23112017-007AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		<b>385</b>	200.0	207.1	88.9	390.5	1.43	12/06/2023		

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120088-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		<b>625</b>	400.0	257.5	91.8	90	110	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120088-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		200		<b>629</b>	400.0	257.5	92.8	624.8	0.61	12/06/2023		



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110440  
**Report Date:** 13-Dec-23

### SW-846 9036 (TOTAL)

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120202-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		<b>3980</b>	2000	2009	98.8	90	110	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120202-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		1000		<b>3990</b>	2000	2009	99.2	3984	0.22	12/06/2023		

Batch R340185		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120317-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>40</b>	20.00	22.03	91.4	85	115	12/06/2023	

Batch R340185		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23120317-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		<b>41</b>	20.00	22.03	92.6	40.32	0.54	12/06/2023		

### SW-846 9214 (TOTAL)

Batch R339781		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>&lt; 0.10</b>	0.0500	0	0	-100	100	11/28/2023	

Batch R339781		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>0.98</b>	1.000	0	98.3	90	110	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110002-027AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.55</b>	2.000	0.4220	106.5	75	125	11/28/2023	



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 9214 (TOTAL)**

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-027AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.56	2.000	0.4220	106.7	2.552	0.16	11/28/2023	

Batch R339781		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23110002-035AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.46	2.000	0.3380	106.3	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-035AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.47	2.000	0.3380	106.8	2.464	0.36	11/28/2023	

Batch R339781		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23110002-057AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3060	107.0	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-057AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.44	2.000	0.3060	106.6	2.447	0.33	11/28/2023	

Batch R339781		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23110002-066AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.48	2.000	0.3340	107.4	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-066AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3340	105.7	2.482	1.38	11/28/2023	

Batch R339781		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23110002-090AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.56	2.000	0.3530	110.2	75	125	11/28/2023	



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 9214 (TOTAL)**

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-090AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.48</b>	2.000	0.3530	106.5	2.557	2.94	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							
SampID: 23110002-102CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.02</b>	2.000	0	101.0	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-102CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.02</b>	2.000	0	100.8	2.019	0.20	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							
SampID: 23110002-107AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.50</b>	2.000	0.3860	105.8	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110002-107AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.54</b>	2.000	0.3860	107.6	2.502	1.43	11/28/2023	

Batch R339781		SampType: MS		Units mg/L							
SampID: 23110440-020AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>2.41</b>	2.000	0.2890	106.1	75	125	11/28/2023	

Batch R339781		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23110440-020AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		<b>2.32</b>	2.000	0.2890	101.7	2.411	3.76	11/28/2023	

Batch R339841		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		<b>&lt; 0.10</b>	0.0500	0	0	-100	100	11/29/2023	



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 9214 (TOTAL)**

Batch R339841		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.00	1.000	0	99.5	90	110	11/29/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23110440-013AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.46	2.000	0.3480	105.8	75	125	11/29/2023	

Batch R339841		SampType: MSD		Units mg/L							
SampID: 23110440-013AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.47	2.000	0.3480	106.1	2.465	0.20	11/29/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23111951-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.08	2.000	0.9510	106.4	75	125	11/29/2023	

Batch R339841		SampType: MSD		Units mg/L							
SampID: 23111951-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		3.01	2.000	0.9510	103.1	3.080	2.20	11/29/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23112078-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.31	2.000	0.2400	103.6	75	125	11/30/2023	

Batch R339841		SampType: MSD		Units mg/L							
SampID: 23112078-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.38	2.000	0.2400	107.2	2.311	3.11	11/30/2023	

Batch R339841		SampType: MS		Units mg/L							
SampID: 23112078-013AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.50	2.000	0.3540	107.4	75	125	11/30/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9214 (TOTAL)

Batch R339841		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23112078-013AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.3540	102.7	2.501	3.79	11/30/2023	

### SW-846 9251 (TOTAL)

Batch R340022		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	12/01/2023	

Batch R340022		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	101.0	90	110	12/01/2023	

Batch R340022		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		33	20.00	14.00	92.6	85	115	12/01/2023	

Batch R340022		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23110440-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		33	20.00	14.00	93.1	32.52	0.31	12/01/2023	

Batch R340022		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112078-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		30	20.00	11.15	93.3	85	115	12/01/2023	

Batch R340022		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 23112078-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		30	20.00	11.15	93.4	29.80	0.07	12/01/2023	





## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 9251 (TOTAL)**

Batch R340022		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112078-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>30</b>	20.00	10.55	95.6	85	115	12/01/2023	

Batch R340022		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112078-010AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		<b>30</b>	20.00	10.55	94.8	29.66	0.54	12/01/2023		

Batch R340139		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>&lt; 4</b>	0.5000	0	0	-100	100	12/05/2023	

Batch R340139		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>21</b>	20.00	0	102.9	90	110	12/05/2023	

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112008-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		80		<b>562</b>	400.0	201.7	90.2	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112008-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		80		<b>568</b>	400.0	201.7	91.6	562.3	1.05	12/05/2023		

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120036-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>19</b>	20.00	0	97.0	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120036-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		<b>19</b>	20.00	0	96.3	19.39	0.67	12/05/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 9251 (TOTAL)

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120088-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		27	20.00	7.150	97.0	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120088-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		26	20.00	7.150	94.0	26.54	2.25	12/05/2023		

Batch R340139		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120190-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	5.240	95.5	85	115	12/05/2023	

Batch R340139		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120190-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		24	20.00	5.240	96.0	24.33	0.41	12/05/2023		

Batch R340188		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	12/06/2023	

Batch R340188		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	103.8	90	110	12/06/2023	

Batch R340188		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112017-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		80	40.00	45.89	85.4	85	115	12/06/2023	

Batch R340188		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112017-007AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		8		81	40.00	45.89	88.8	80.03	1.73	12/06/2023		



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

### SW-846 9251 (TOTAL)

Batch R340188		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120202-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		<b>2440</b>	1000	1521	92.3	85	115	12/06/2023	

Batch R340188		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120202-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		200		<b>2450</b>	1000	1521	93.3	2444	0.39	12/06/2023		

Batch R340188		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120317-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		<b>30</b>	20.00	11.76	93.4	85	115	12/06/2023	

Batch R340188		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120317-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		<b>30</b>	20.00	11.76	93.2	30.43	0.10	12/06/2023		

### SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 215255		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-215255											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>&lt; 0.100</b>	0.0350	0	0	-100	100	12/05/2023	
Magnesium		0.0500		<b>&lt; 0.0500</b>	0.0055	0	0	-100	100	12/05/2023	
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	12/05/2023	
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	12/05/2023	

Batch 215255		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-215255											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>2.64</b>	2.500	0	105.5	85	115	12/05/2023	
Magnesium		0.0500		<b>2.38</b>	2.500	0	95.3	85	115	12/05/2023	
Potassium		0.100		<b>2.65</b>	2.500	0	106.0	85	115	12/05/2023	
Sodium		0.0500		<b>2.59</b>	2.500	0	103.6	85	115	12/05/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 215255		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>60.7</b>	2.500	58.24	98.8	75	125	12/05/2023	
Magnesium		0.0500		<b>29.4</b>	2.500	26.96	98.6	75	125	12/05/2023	
Potassium		0.100		<b>2.97</b>	2.500	0.2761	107.8	75	125	12/05/2023	
Sodium		0.0500		<b>18.7</b>	2.500	16.57	86.4	75	125	12/05/2023	

Batch 215255		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23110440-001BMDS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100		<b>61.2</b>	2.500	58.24	117.6	60.71	0.77	12/05/2023		
Magnesium		0.0500		<b>29.5</b>	2.500	26.96	103.1	29.42	0.38	12/05/2023		
Potassium		0.100		<b>2.97</b>	2.500	0.2761	107.6	2.972	0.22	12/05/2023		
Sodium		0.0500		<b>18.8</b>	2.500	16.57	89.6	18.73	0.43	12/05/2023		

Batch 215256		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-215256											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>&lt; 0.100</b>	0.0350	0	0	-100	100	12/01/2023	
Magnesium		0.0500		<b>&lt; 0.0500</b>	0.0055	0	0	-100	100	12/01/2023	
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	12/01/2023	
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	12/01/2023	

Batch 215256		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-215256											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>2.48</b>	2.500	0	99.3	85	115	12/01/2023	
Magnesium		0.0500		<b>2.36</b>	2.500	0	94.3	85	115	12/01/2023	
Potassium		0.100		<b>2.47</b>	2.500	0	98.9	85	115	12/01/2023	
Sodium		0.0500		<b>2.43</b>	2.500	0	97.3	85	115	12/01/2023	

Batch 215256		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		<b>97.4</b>	2.500	95.00	94.0	75	125	12/01/2023	
Magnesium		0.0500		<b>35.8</b>	2.500	33.70	83.9	75	125	12/01/2023	
Potassium		0.100		<b>3.64</b>	2.500	1.340	92.1	75	125	12/01/2023	
Sodium		0.0500	S	<b>24.6</b>	2.500	22.79	71.2	75	125	12/01/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 215256		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23110440-006BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	100	2.500	95.00	210.4	97.35	2.95	12/01/2023	
Magnesium		0.0500	S	37.1	2.500	33.70	135.2	35.80	3.52	12/01/2023	
Potassium		0.100		3.76	2.500	1.340	96.9	3.642	3.24	12/01/2023	
Sodium		0.0500		25.5	2.500	22.79	108.0	24.57	3.68	12/01/2023	

Batch 215420		SampType: MBLK		Units mg/L							
SampID: MBLK-215420											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	12/04/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	12/04/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	12/04/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	12/04/2023	

Batch 215420		SampType: LCS		Units mg/L							
SampID: LCS-215420											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.59	2.500	0	103.6	85	115	12/04/2023	
Magnesium		0.0500		2.55	2.500	0	102.0	85	115	12/04/2023	
Potassium		0.100		2.65	2.500	0	105.9	85	115	12/04/2023	
Sodium		0.0500		2.68	2.500	0	107.2	85	115	12/04/2023	

Batch 215420		SampType: MS		Units mg/L							
SampID: 23110440-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	147	2.500	146.8	29.2	75	125	12/05/2023	
Magnesium		0.0500	S	73.6	2.500	72.24	56.4	75	125	12/05/2023	
Potassium		0.100		3.40	2.500	0.5819	112.6	75	125	12/05/2023	
Sodium		0.0500		32.7	2.500	30.24	96.8	75	125	12/05/2023	

Batch 215420		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23110440-021BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	148	2.500	146.8	35.2	147.5	0.10	12/05/2023	
Magnesium		0.0500		74.3	2.500	72.24	83.7	73.65	0.92	12/05/2023	
Potassium		0.100		3.40	2.500	0.5819	112.9	3.398	0.20	12/05/2023	
Sodium		0.0500		32.7	2.500	30.24	99.2	32.66	0.18	12/05/2023	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 215255 SampType: MBLK Units mg/L

SampID: MBLK-215255

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	12/07/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/01/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/01/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/01/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/01/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/01/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/01/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/01/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/01/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/01/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	12/01/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/01/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	12/01/2023

Batch 215255 SampType: LCS Units mg/L

SampID: LCS-215255

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.594	0.5000	0	118.9	80	120	12/06/2023
Arsenic		0.0010		0.591	0.5000	0	118.2	80	120	12/01/2023
Barium		0.0010		2.13	2.000	0	106.3	80	120	12/01/2023
Beryllium		0.0010		0.0560	0.0500	0	112.0	80	120	12/04/2023
Boron		0.0250		0.546	0.5000	0	109.3	80	120	12/04/2023
Cadmium		0.0010		0.0548	0.0500	0	109.6	80	120	12/01/2023
Chromium		0.0015		0.229	0.2000	0	114.4	80	120	12/04/2023
Cobalt		0.0010		0.576	0.5000	0	115.3	80	120	12/04/2023
Lead		0.0010		0.570	0.5000	0	114.1	80	120	12/04/2023
Lithium	*	0.0030		0.560	0.5000	0	112.0	80	120	12/04/2023
Molybdenum		0.0015		0.503	0.5000	0	100.6	80	120	12/01/2023
Selenium		0.0010		0.584	0.5000	0	116.8	80	120	12/04/2023
Thallium		0.0020		0.285	0.2500	0	113.8	80	120	12/04/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 215255 SampType: MS Units mg/L

SampID: 23110440-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		<b>0.550</b>	0.5000	0	110.0	75	125	12/04/2023
Barium		0.0010		<b>2.20</b>	2.000	0.04534	107.9	75	125	12/04/2023
Beryllium		0.0010		<b>0.0549</b>	0.0500	0	109.7	75	125	12/04/2023
Boron		0.0250		<b>0.825</b>	0.5000	0.2928	106.4	75	125	12/04/2023
Cadmium		0.0010		<b>0.0540</b>	0.0500	0	108.0	75	125	12/04/2023
Chromium		0.0015		<b>0.212</b>	0.2000	0	106.0	75	125	12/04/2023
Cobalt		0.0010		<b>0.531</b>	0.5000	0	106.2	75	125	12/04/2023
Lead		0.0010		<b>0.541</b>	0.5000	0	108.2	75	125	12/04/2023
Lithium	*	0.0030		<b>0.544</b>	0.5000	0.001563	108.6	75	125	12/04/2023
Molybdenum		0.0015		<b>0.528</b>	0.5000	0	105.6	75	125	12/04/2023
Selenium		0.0010		<b>0.533</b>	0.5000	0	106.7	75	125	12/04/2023
Thallium		0.0020		<b>0.263</b>	0.2500	0	105.1	75	125	12/04/2023

Batch 215255 SampType: MSD Units mg/L

SampID: 23110440-001BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		<b>0.568</b>	0.5000	0	113.5	0.5499	3.19	12/04/2023
Barium		0.0010		<b>2.30</b>	2.000	0.04534	112.5	2.204	4.08	12/04/2023
Beryllium		0.0010		<b>0.0550</b>	0.0500	0	110.0	0.05485	0.24	12/04/2023
Boron		0.0250		<b>0.822</b>	0.5000	0.2928	105.9	0.8250	0.35	12/04/2023
Cadmium		0.0010		<b>0.0553</b>	0.0500	0	110.6	0.05398	2.39	12/04/2023
Chromium		0.0015		<b>0.219</b>	0.2000	0	109.5	0.2119	3.29	12/04/2023
Cobalt		0.0010		<b>0.534</b>	0.5000	0	106.9	0.5309	0.65	12/04/2023
Lead		0.0010		<b>0.547</b>	0.5000	0	109.4	0.5408	1.10	12/04/2023
Lithium	*	0.0030		<b>0.550</b>	0.5000	0.001563	109.6	0.5444	0.98	12/04/2023
Molybdenum		0.0015		<b>0.543</b>	0.5000	0	108.5	0.5279	2.74	12/04/2023
Selenium		0.0010		<b>0.547</b>	0.5000	0	109.3	0.5335	2.44	12/04/2023
Thallium		0.0020		<b>0.286</b>	0.2500	0	114.5	0.2627	8.58	12/04/2023





## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 215256 SampType: MBLK Units mg/L

SampID: MBLK-215256

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	12/06/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/05/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/05/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/04/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/04/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/04/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/05/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/05/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/04/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	12/04/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	12/04/2023

Batch 215256 SampType: LCS Units mg/L

SampID: LCS-215256

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.572	0.5000	0	114.3	80	120	12/06/2023
Arsenic		0.0010		0.536	0.5000	0	107.2	80	120	12/05/2023
Barium		0.0010		2.14	2.000	0	106.8	80	120	12/05/2023
Beryllium		0.0010		0.0497	0.0500	0	99.5	80	120	12/04/2023
Boron		0.0250		0.486	0.5000	0	97.2	80	120	12/04/2023
Cadmium		0.0010		0.0508	0.0500	0	101.6	80	120	12/04/2023
Chromium		0.0015		0.185	0.2000	0	92.6	80	120	12/05/2023
Cobalt		0.0010		0.492	0.5000	0	98.4	80	120	12/05/2023
Lead		0.0010		0.517	0.5000	0	103.5	80	120	12/05/2023
Lithium	*	0.0030		0.496	0.5000	0	99.2	80	120	12/04/2023
Molybdenum		0.0015		0.486	0.5000	0	97.1	80	120	12/04/2023
Selenium		0.0010		0.505	0.5000	0	101.0	80	120	12/05/2023
Thallium		0.0020		0.245	0.2500	0	98.0	80	120	12/04/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 215256		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		<b>0.542</b>	0.5000	0	108.5	75	125	12/06/2023	
Arsenic		0.0010		<b>0.566</b>	0.5000	0.002346	112.8	75	125	12/05/2023	
Barium		0.0010		<b>2.23</b>	2.000	0.1232	105.4	75	125	12/05/2023	
Beryllium		0.0010		<b>0.0544</b>	0.0500	0	108.7	75	125	12/04/2023	
Boron		0.0250		<b>0.577</b>	0.5000	0.07452	100.5	75	125	12/04/2023	
Cadmium		0.0010		<b>0.0522</b>	0.0500	0	104.4	75	125	12/04/2023	
Chromium		0.0015		<b>0.191</b>	0.2000	0.002024	94.5	75	125	12/05/2023	
Cobalt		0.0010		<b>0.504</b>	0.5000	0.0006138	100.7	75	125	12/04/2023	
Lead		0.0010		<b>0.527</b>	0.5000	0.0006831	105.3	75	125	12/05/2023	
Lithium	*	0.0030		<b>0.531</b>	0.5000	0.005587	105.1	75	125	12/04/2023	
Molybdenum		0.0015		<b>0.513</b>	0.5000	0.007534	101.2	75	125	12/04/2023	
Selenium		0.0010		<b>0.518</b>	0.5000	0	103.5	75	125	12/06/2023	
Thallium		0.0020		<b>0.258</b>	0.2500	0	103.2	75	125	12/04/2023	

Batch 215256		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23110440-006BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		<b>0.536</b>	0.5000	0	107.2	0.5424	1.22	12/06/2023		
Arsenic		0.0010		<b>0.564</b>	0.5000	0.002346	112.3	0.5664	0.43	12/05/2023		
Barium		0.0010		<b>2.23</b>	2.000	0.1232	105.3	2.230	0.04	12/05/2023		
Beryllium		0.0010		<b>0.0527</b>	0.0500	0	105.4	0.05436	3.14	12/04/2023		
Boron		0.0250		<b>0.573</b>	0.5000	0.07452	99.6	0.5771	0.78	12/04/2023		
Cadmium		0.0010		<b>0.0533</b>	0.0500	0	106.5	0.05220	2.00	12/04/2023		
Chromium		0.0015		<b>0.190</b>	0.2000	0.002024	93.8	0.1910	0.74	12/05/2023		
Cobalt		0.0010		<b>0.514</b>	0.5000	0.0006138	102.7	0.5039	2.06	12/04/2023		
Lead		0.0010		<b>0.531</b>	0.5000	0.0006831	106.1	0.5272	0.74	12/05/2023		
Lithium	*	0.0030		<b>0.530</b>	0.5000	0.005587	104.9	0.5311	0.18	12/04/2023		
Molybdenum		0.0015		<b>0.524</b>	0.5000	0.007534	103.3	0.5135	2.07	12/04/2023		
Selenium		0.0010		<b>0.523</b>	0.5000	0	104.6	0.5175	1.08	12/06/2023		
Thallium		0.0020		<b>0.270</b>	0.2500	0	108.0	0.2580	4.51	12/04/2023		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 215420 SampType: MBLK Units mg/L

SampID: MBLK-215420

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	12/07/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/04/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	12/05/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/05/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	12/04/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/04/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	12/05/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/05/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	12/04/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/05/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	12/04/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/05/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	12/04/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/04/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	12/05/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/04/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/04/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	12/05/2023
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	12/07/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/04/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	12/05/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	12/05/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 215420 SampType: LCS Units mg/L  
 SampID: LCS-215420

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.463</b>	0.5000	0	92.6	80	120	12/07/2023
Arsenic		0.0010		<b>0.550</b>	0.5000	0	110.1	80	120	12/05/2023
Barium		0.0010		<b>2.06</b>	2.000	0	103.2	80	120	12/05/2023
Beryllium		0.0010		<b>0.0521</b>	0.0500	0	104.3	80	120	12/05/2023
Boron		0.0250		<b>0.501</b>	0.5000	0	100.1	80	120	12/05/2023
Cadmium		0.0010		<b>0.0501</b>	0.0500	0	100.3	80	120	12/05/2023
Chromium		0.0015		<b>0.188</b>	0.2000	0	93.8	80	120	12/05/2023
Cobalt		0.0010		<b>0.498</b>	0.5000	0	99.7	80	120	12/05/2023
Lead		0.0010		<b>0.528</b>	0.5000	0	105.5	80	120	12/05/2023
Lithium	*	0.0030		<b>0.524</b>	0.5000	0	104.8	80	120	12/05/2023
Molybdenum		0.0015		<b>0.408</b>	0.5000	0	81.6	80	120	12/07/2023
Selenium		0.0010		<b>0.498</b>	0.5000	0	99.7	80	120	12/05/2023
Thallium		0.0020		<b>0.249</b>	0.2500	0	99.4	80	120	12/05/2023

Batch 215420 SampType: MS Units mg/L  
 SampID: 23110440-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		<b>0.577</b>	0.5000	0	115.3	75	125	12/06/2023
Arsenic		0.0010		<b>0.540</b>	0.5000	0	108.0	75	125	12/05/2023
Barium		0.0010		<b>2.06</b>	2.000	0.03106	101.3	75	125	12/05/2023
Beryllium		0.0010		<b>0.0507</b>	0.0500	0	101.4	75	125	12/05/2023
Boron		0.0250		<b>1.48</b>	0.5000	1.026	90.4	75	125	12/05/2023
Cadmium		0.0010		<b>0.0497</b>	0.0500	0	99.4	75	125	12/05/2023
Chromium		0.0015		<b>0.196</b>	0.2000	0	98.2	75	125	12/05/2023
Cobalt		0.0010		<b>0.477</b>	0.5000	0.001272	95.1	75	125	12/05/2023
Lead		0.0010		<b>0.508</b>	0.5000	0	101.7	75	125	12/05/2023
Lithium	*	0.0030		<b>0.505</b>	0.5000	0.001933	100.6	75	125	12/05/2023
Molybdenum		0.0015		<b>0.513</b>	0.5000	0	102.5	75	125	12/06/2023
Selenium		0.0010		<b>0.513</b>	0.5000	0	102.6	75	125	12/05/2023
Thallium		0.0020		<b>0.248</b>	0.2500	0	99.1	75	125	12/05/2023



## Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 215420		SampType: MSD		Units mg/L				RPD Limit 20			Date
SampID: 23110440-021BMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		0.0010		<b>0.543</b>	0.5000	0	108.6	0.5766	5.99		12/06/2023
Arsenic		0.0010		<b>0.562</b>	0.5000	0	112.3	0.5398	3.98		12/05/2023
Barium		0.0010		<b>2.16</b>	2.000	0.03106	106.4	2.056	4.90		12/05/2023
Beryllium		0.0010		<b>0.0532</b>	0.0500	0	106.4	0.05072	4.82		12/05/2023
Boron		0.0250		<b>1.55</b>	0.5000	1.026	103.8	1.478	4.46		12/05/2023
Cadmium		0.0010		<b>0.0524</b>	0.0500	0	104.9	0.04970	5.37		12/05/2023
Chromium		0.0015		<b>0.205</b>	0.2000	0	102.4	0.1964	4.20		12/05/2023
Cobalt		0.0010		<b>0.506</b>	0.5000	0.001272	101.0	0.4767	6.03		12/05/2023
Lead		0.0010		<b>0.508</b>	0.5000	0	101.7	0.5084	0.03		12/05/2023
Lithium	*	0.0030		<b>0.530</b>	0.5000	0.001933	105.6	0.5047	4.83		12/05/2023
Molybdenum		0.0015		<b>0.489</b>	0.5000	0	97.7	0.5127	4.82		12/06/2023
Selenium		0.0010		<b>0.537</b>	0.5000	0	107.5	0.5132	4.59		12/05/2023
Thallium		0.0020		<b>0.266</b>	0.2500	0	106.2	0.2477	6.96		12/05/2023

### SW-846 7470A (TOTAL)

Batch 215455		SampType: MBLK		Units mg/L							Date
SampID: MBLK-215455											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		<b>&lt; 0.00020</b>	0.0001	0	0	-100	100		12/05/2023

Batch 215455		SampType: LCS		Units mg/L							Date
SampID: LCS-215455											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		<b>0.00475</b>	0.0050	0	95.0	85	115		12/05/2023

Batch 215455		SampType: MS		Units mg/L							Date
SampID: 23110440-014BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020	S	<b>0.00267</b>	0.0050	0	53.4	75	125		12/05/2023

Batch 215455		SampType: MSD		Units mg/L				RPD Limit 15			Date
SampID: 23110440-014BMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.00020	S	<b>0.00263</b>	0.0050	0	52.6	0.002672	1.53		12/05/2023



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110440  
**Report Date:** 13-Dec-23

**SW-846 7470A (TOTAL)**

Batch 215455		SampType: MS		Units mg/L							Date Analyzed
SampID: 23111803-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00943</b>	0.0100	0.0001007	93.3	75	125	12/05/2023	

Batch 215455		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23111803-004CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00891</b>	0.0100	0.0001007	88.1	0.009431	5.69	12/05/2023		

Batch 215461		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-215461											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>&lt; 0.00020</b>	0.0001	0	0	-100	100	12/05/2023	

Batch 215461		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-215461											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00436</b>	0.0050	0	87.2	85	115	12/05/2023	

Batch 215461		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112036-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00473</b>	0.0050	0	94.5	75	125	12/05/2023	

Batch 215461		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112036-004BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00474</b>	0.0050	0	94.8	0.004726	0.29	12/05/2023		

Batch 215461		SampType: MS		Units mg/L							Date Analyzed
SampID: 23112144-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00451</b>	0.0050	0	90.2	75	125	12/06/2023	

Batch 215461		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23112144-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00455</b>	0.0050	0	91.0	0.004512	0.89	12/06/2023		



## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110440

Client Project: KIN-23Q4

Report Date: 13-Dec-23

### SW-846 7470A (TOTAL)

Batch 215503		SampType: MBLK		Units mg/L							
SampID: MBLK-215503											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	12/06/2023	

Batch 215503		SampType: LCS		Units mg/L							
SampID: LCS-215503											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00489	0.0050	0	97.7	85	115	12/07/2023	

Batch 215503		SampType: MS		Units mg/L							
SampID: 23110440-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00448	0.0050	0	89.6	75	125	12/06/2023	

Batch 215503		SampType: MSD		Units mg/L							
SampID: 23110440-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00445	0.0050	0	89.1	0.004479	0.56	12/06/2023	

Batch 215503		SampType: MS		Units mg/L							
SampID: 23112078-007CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00485	0.0050	0	97.0	75	125	12/06/2023	

Batch 215503		SampType: MSD		Units mg/L							
SampID: 23112078-007CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00476	0.0050	0	95.2	0.004851	1.90	12/06/2023	

Batch 215504		SampType: MBLK		Units mg/L							
SampID: MBLK-215504											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	12/06/2023	

Batch 215504		SampType: LCS		Units mg/L							
SampID: LCS-215504											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00456	0.0050	0	91.2	85	115	12/06/2023	





## Quality Control Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110440

**Client Project:** KIN-23Q4

**Report Date:** 13-Dec-23

**SW-846 7470A (TOTAL)**

Batch 215504		SampType: MS		Units mg/L							Date Analyzed
SampID: 23110440-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00438</b>	0.0050	0	87.5	75	125	12/06/2023	

Batch 215504		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23110440-021BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00441</b>	0.0050	0	88.2	0.004377	0.73	12/06/2023		

Batch 215504		SampType: MS		Units mg/L							Date Analyzed
SampID: 23120012-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		<b>0.00452</b>	0.0050	0	90.4	75	125	12/07/2023	

Batch 215504		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23120012-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		<b>0.00448</b>	0.0050	0	89.7	0.004522	0.85	12/07/2023		



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
KINCAID POWER PLANT, ASH POND
KIN-845-141

http://www.teklabinc.com/

Client: Ramboll
Client Project: KIN-23Q4

Work Order: 23110440
Report Date: 13-Dec-23

Carrier: Justin Colp

Received By: AMD

Completed by:

Amber Dilallo (handwritten signature)

Reviewed by:

Ellie Hopkins (handwritten signature)

On:

27-Nov-23

Amber Dilallo

On:

29-Nov-23

Ellie Hopkins

Pages to follow: Chain of custody 5 Extra pages included 0

- Shipping container/cooler in good condition? Yes [checked] No [ ]
Type of thermal preservation? None [ ] Ice [checked]
Chain of custody present? Yes [checked] No [ ]
Chain of custody signed when relinquished and received? Yes [checked] No [ ]
Chain of custody agrees with sample labels? Yes [checked] No [ ]
Samples in proper container/bottle? Yes [checked] No [ ]
Sample containers intact? Yes [checked] No [ ]
Sufficient sample volume for indicated test? Yes [checked] No [ ]
All samples received within holding time? Yes [checked] No [ ]
Reported field parameters measured: Field [checked] Lab [ ] NA [ ]
Container/Temp Blank temperature in compliance? Yes [checked] No [ ]

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

- Water - at least one vial per sample has zero headspace? Yes [ ] No [ ] No VOA vials [checked]
Water - TOX containers have zero headspace? Yes [ ] No [ ] No TOX containers [checked]
Water - pH acceptable upon receipt? Yes [ ] No [checked] NA [ ]
NPDES/CWA TCN interferences checked/treated in the field? Yes [ ] No [ ] NA [checked]

Any No responses must be detailed below or on the COC.

pH strip #90719. - amberdilallo - 11/27/2023 4:41:52 PM

Additional Nitric Acid (93773) was needed upon arrival at the laboratory for MW-5 and MW-31S. - amberdilallo - 11/27/2023 4:41:53 PM

Samples collected on 11/28/23 were delivered to the laboratory on 11/28/23 at 1600 (on ice - 5.4C - LTG5). pH strip #90719. Additional nitric (93773) was needed in MW20 - HW/MEK/ERH 11/29/23

Samples collected on 11/29/23 were delivered to the laboratory on 11/29/23 at 1221 (on ice - 6.8C - LTG1). pH strip #90719. AMD 11/29/23

23110440

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		NPDES    GROUND WATER    DRINKING WATER		
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>		UST    RCRA    OTHER		
Kincaid, IL 62540				Address: <b>see Section A</b>		Site Location		
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Purchase Order No.:		Quote Reference:		STATE: <b>IL</b>		
Phone: (217) 753-8911    Fax:		Project Name:		Project Manager: <b>Liz Hurley</b>				
Requested Due Date/TAT: <b>10 day</b>		Project Number:		Profile #:				

ITEM #	Section D Required Client Information	valid matrix codes MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SL SOIL/SOLID OL WIPE WP AIR AR OTHER TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					KIN-257-141	KIN-845-141	KIN-SUP-000
1	MW-1		WT	G	11/21/23	1205	2	1	1												23110440-001		
2	MW-11		WT	G			2	1	1													23110440-002	
3	MW-12		WT	G			2	1	1													23110440-003	
4	MW-12S		WT	G			0															23110440-004	
5	MW-12D		WT	G			0															23110440-005	
6	MW-2		WT	G	11/27/23	1111	2	1	1													23110440-006	
7	MW-20		WT	G			2	1	1													23110440-007	
8	MW-20S		WT	G			2	1	1													23110440-008	
9	MW-23		WT	G			2	1	1													23110440-009	
10	MW-27		WT	G			2	1	1													23110440-010	
11	MW-28		WT	G			2	1	1													23110440-011	
12	MW-3		WT	G			2	1	1													23110440-012	
13	MW-30		WT	G			2	1	1													23110440-013	
14	MW-31		WT	G	11-07-23	1347	2	1	1													23110440-014	
15	MW-31S		WT	G	11-07-23	1309	2	1	1													23110440-015	
16	MW-32		WT	G	11-07-23	1132	2	1	1													23110440-016	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS												
KIN-23Q4 Rev 2			J. Colp		11-27	1615	Sandra O'Connell		11/27/23	1105	9.0	>	z	Y									

Added HNO<sub>3</sub>(93773) to  
MW-5 & MW-31S.  
pH ✓ 9.0719. Smw 11/27/23

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <b>Justin Colp</b>					
SIGNATURE OF SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YY): <b>11-27-23</b>					







### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		Company Name: <b>Vistra Corp</b>		
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Address: <b>see Section A</b>		NPDES    GROUND WATER    DRINKING WATER		
Kincaid, IL 62540		Purchase Order No.:		Quote Reference:		UST    RCRA    OTHER		
Email To: <b>Brian.Voelker@VistraCorp.com</b> <b>Tim.Arnold@vistracorp.com</b>		Project Name:		Project Manager: <b>Liz Hurley</b>		Site Location		IL
Phone: <b>(217) 753-8911</b> Fax:		Project Number:		Profile #:		STATE:		
Requested Due Date/TAT: <b>10 day</b>								

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b>  (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No. / Lab I.D.									
		DRINKING WATER	WATER			WASTE WATER	PRODUCT SOLID			Oil	WIPE	AIR	OTHER	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>					HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other				
		DW	WT			WW	P			SL	CL	WP	AR	GT	TS														
1	MW-5	WT	G						2	1	1							X	X									23110440-017	
2	MW-6	WT	G						2	1	1							X	X									23110440-018	
3	MW-7	WT	G						2	1	1							X	X									23110440-019	
4	MW-7S	WT	G						2	1	1							X	X									23110440-020	
5	MW-8	WT	G						2	1	1							X	X									23110440-021	
6	MW-8S	WT	G						2	1	1							X	X									23110440-022	
7	PZ-4A	WT	G			11-29-23	1030		2	1	1									X								23110440-023	
8	PZ-4C	WT	G						2	1	1							X	X									23110440-024	
9	SG-02	WT	G						0									X	X									23110440-025	
10	XSG-01	WT	G						0									X	X									23110440-026	
11	Field Blank	WT	G			11-29-23	1035		2	1	1							X	X	X								23110440-027	
12	MW-8 Duplicate	WT	G						2	1	1							X	X									23110440-028	
13																													
14																													
15																													
16																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<b>KIN-23Q4 Rev 2</b>	<i>J. Cole</i>	11-29	1221	<i>Amber Dillard</i>	11/29/23	1221	6.8	Y	Z	Y
							LTC1			

*PHV 90719 own  
11/29/23*

<b>SAMPLER NAME AND SIGNATURE</b>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Justin Cole</i>				
SIGNATURE of SAMPLER:	<i>Justin Cole</i>				
DATE Signed (MM/DD/YY):		11-29-23			



January 03, 2024

Eric Bauer  
Ramboll  
234 W. Florida Street  
Fifth Floor  
Milwaukee, WI 53204  
TEL: (414) 837-3607  
FAX: (414) 837-3608



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

**RE: KIN-23Q4**

**WorkOrder: 23110441**

Dear Eric Bauer:

TEKLAB, INC received 24 samples on 11/29/2023 12:21:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley  
Director of Customer Service  
(618)344-1004 ex 33  
[ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	29
Receiving Check List	30
Chain of Custody	Appended

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count ( > 200 CFU )



## Definitions

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

### Qualifiers

- # - Unknown hydrocarbon
- C - RL shown is a Client Requested Quantitation Limit
- H - Holding times exceeded
- J - Analyte detected below quantitation limits
- ND - Not Detected at the Reporting Limit
- S - Spike Recovery outside recovery limits
- X - Value exceeds Maximum Contaminant Level
- B - Analyte detected in associated Method Blank
- E - Value above quantitation range
- I - Associated internal standard was outside method criteria
- M - Manual Integration used to determine area response
- R - RPD outside accepted recovery limits
- T - TIC(Tentatively identified compound)



## Case Narrative

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110441  
**Report Date:** 03-Jan-24

**Cooler Receipt Temp:** 9.0 °C

An employee of Teklab, Inc. collected the sample(s).

MW-27 and MW-8S could not be collected; the wells were dry. EAH 11/29/23

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

### Locations

#### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** jhriley@teklabinc.com

#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** EHurley@teklabinc.com

#### Springfield

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415  
**Phone** (217) 698-1004  
**Fax** (217) 698-1005  
**Email** KKlostermann@teklabinc.com

#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515  
**Phone** (630) 324-6855  
**Fax**  
**Email** arenner@teklabinc.com

#### Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**Email** jhriley@teklabinc.com



## Accreditations

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

**Lab ID:** 23110441-001

**Client Sample ID:** MW-1

**Matrix:** GROUNDWATER

**Collection Date:** 11/27/2023 12:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-002  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-11  
**Collection Date:** 11/28/2023 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110441  
**Report Date:** 03-Jan-24

**Lab ID:** 23110441-003

**Client Sample ID:** MW-12

**Matrix:** GROUNDWATER

**Collection Date:** 11/28/2023 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-004  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-2  
**Collection Date:** 11/27/2023 11:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-005  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-20  
**Collection Date:** 11/28/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

**Lab ID:** 23110441-006

**Client Sample ID:** MW-20S

**Matrix:** GROUNDWATER

**Collection Date:** 11/28/2023 12:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:54	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-007  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-23  
**Collection Date:** 11/28/2023 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:52	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-009  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-28  
**Collection Date:** 11/28/2023 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:52	R341275



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110441  
**Report Date:** 03-Jan-24

**Lab ID:** 23110441-010

**Client Sample ID:** MW-3

**Matrix:** GROUNDWATER

**Collection Date:** 11/28/2023 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275





## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

**Lab ID:** 23110441-011

**Client Sample ID:** MW-30

**Matrix:** GROUNDWATER

**Collection Date:** 11/28/2023 12:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-012  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-31  
**Collection Date:** 11/27/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110441  
**Report Date:** 03-Jan-24

**Lab ID:** 23110441-013

**Client Sample ID:** MW-31S

**Matrix:** GROUNDWATER

**Collection Date:** 11/27/2023 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-014  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-32  
**Collection Date:** 11/27/2023 11:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:53	R341275



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

**Lab ID:** 23110441-015

**Client Sample ID:** MW-5

**Matrix:** GROUNDWATER

**Collection Date:** 11/27/2023 12:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110441  
**Report Date:** 03-Jan-24

**Lab ID:** 23110441-016

**Client Sample ID:** MW-6

**Matrix:** GROUNDWATER

**Collection Date:** 11/28/2023 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll

**Work Order:** 23110441

**Client Project:** KIN-23Q4

**Report Date:** 03-Jan-24

**Lab ID:** 23110441-017

**Client Sample ID:** MW-7

**Matrix:** GROUNDWATER

**Collection Date:** 11/27/2023 13:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-018  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-7S  
**Collection Date:** 11/27/2023 12:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-019  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-8  
**Collection Date:** 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:58	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-021  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** PZ-4A  
**Collection Date:** 11/29/2023 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:59	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-022  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** PZ-4C  
**Collection Date:** 11/28/2023 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:59	R341275



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-023  
**Matrix:** AQUEOUS

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** Field Blank  
**Collection Date:** 11/29/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:44	R341275



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4  
**Lab ID:** 23110441-024  
**Matrix:** GROUNDWATER

**Work Order:** 23110441  
**Report Date:** 03-Jan-24  
**Client Sample ID:** MW-8 Duplicate  
**Collection Date:** 11/28/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	12/28/2023 11:44	R341275



## Sample Summary

<http://www.teklabinc.com/>

**Client:** Ramboll  
**Client Project:** KIN-23Q4

**Work Order:** 23110441  
**Report Date:** 03-Jan-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23110441-001	MW-1	Groundwater	1	11/27/2023 12:05
23110441-002	MW-11	Groundwater	1	11/28/2023 10:44
23110441-003	MW-12	Groundwater	1	11/28/2023 10:03
23110441-004	MW-2	Groundwater	1	11/27/2023 11:11
23110441-005	MW-20	Groundwater	1	11/28/2023 13:20
23110441-006	MW-20S	Groundwater	1	11/28/2023 12:41
23110441-007	MW-23	Groundwater	1	11/28/2023 11:21
23110441-008	MW-27	Groundwater	1	11/27/2023 10:44
23110441-009	MW-28	Groundwater	1	11/28/2023 14:23
23110441-010	MW-3	Groundwater	1	11/28/2023 12:08
23110441-011	MW-30	Groundwater	1	11/28/2023 12:24
23110441-012	MW-31	Groundwater	1	11/27/2023 13:47
23110441-013	MW-31S	Groundwater	1	11/27/2023 13:09
23110441-014	MW-32	Groundwater	1	11/27/2023 11:32
23110441-015	MW-5	Groundwater	1	11/27/2023 12:31
23110441-016	MW-6	Groundwater	1	11/28/2023 13:36
23110441-017	MW-7	Groundwater	1	11/27/2023 13:35
23110441-018	MW-7S	Groundwater	1	11/27/2023 12:54
23110441-019	MW-8	Groundwater	1	11/28/2023 10:35
23110441-020	MW-8S	Groundwater	1	11/27/2023 10:25
23110441-021	PZ-4A	Groundwater	1	11/29/2023 10:30
23110441-022	PZ-4C	Groundwater	1	11/28/2023 14:01
23110441-023	Field Blank	Aqueous	1	11/29/2023 10:35
23110441-024	MW-8 Duplicate	Groundwater	1	11/28/2023 10:35



# Receiving Check List

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 23110441

Client Project: KIN-23Q4

Report Date: 03-Jan-24

Carrier: Justin Colp

Received By: AMD

Completed by:

*Amber Dilallo*

Reviewed by:

*Ellie Hopkins*

On:

27-Nov-23

Amber Dilallo

On:

29-Nov-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes  No  Not Present  Temp °C **9.0**
- Type of thermal preservation? None  Ice  Blue Ice  Dry Ice
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Reported field parameters measured: Field  Lab  NA
- Container/Temp Blank temperature in compliance? Yes  No

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

- Water – at least one vial per sample has zero headspace? Yes  No  No VOA vials
- Water - TOX containers have zero headspace? Yes  No  No TOX containers
- Water - pH acceptable upon receipt? Yes  No  NA
- NPDES/CWA TCN interferences checked/treated in the field? Yes  No  NA

**Any No responses must be detailed below or on the COC.**

pH strip #90719. - amberdilallo - 11/27/2023 4:42:37 PM

Additional Nitric Acid (93773) was needed in MW-5 and MW-31S upon arrival at the laboratory. - amberdilallo - 11/27/2023 4:42:39 PM

Samples collected on 11/28/23 were delivered to the laboratory on 11/28/23 at 1600 (on ice - 9.8C - LTG5). pH strip #90719. Additional nitric (93773) was needed in MW-20S upon arrival at the laboratory. - HW/MEK 11/29/23

Samples collected on 11/29/23 were delivered to the laboratory on 11/29/23 at 1221 (on ice - 6.8C - LTG1). pH strip #90719. AMD 11/29/23











23110441

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp-Kincaid</b>		Report To: <b>Brian Voelker, Sam Davies</b>		Attention: <b>Brian Voelker, Tim Arnold</b>		NPDES    GROUND WATER    DRINKING WATER		
Address: <b>199 IL 104</b>		Copy To: <b>Tim Arnold</b>		Company Name: <b>Vistra Corp</b>		UST    RCRA    OTHER		
Kincaid, IL 62540				Address: <b>see Section A</b>		Site Location		
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Quote Reference:		STATE: <b>IL</b>		
Tim.Arnold@vistracorp.com								
Phone: <b>(217) 753-8911</b>		Project Name:		Project Manager: <b>Liz Hurley</b>				
Fax:		Project Number:		Proto #:				
Requested Due Date/TAT: <b>10 day</b>								

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol				
1	MW-7	WT	G				2								X	X			23110441-017
2	MW-7S	WT	G				2								X	X			23110441-018
3	MW-8	WT	G				2								X	X			23110441-019
4	MW-8S	WT	G				2								X	X			23110441-020
5	PZ-4A	WT	G		11-24-23	1030	2									X			23110441-021
6	PZ-4C	WT	G				2								X	X			23110441-022
7	SG-02	WT	G												X	X			
8	XSG-01	WT	G												X	X			
9	Field Blank	WT	G		11-24-23	1035	2								X	X	X		23110441-023
10	MW-8 Duplicate	WT	G				2								X	X			23110441-024
11																			
12																			
13																			
14																			
15																			
16																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<b>KIN-23Q4 Rev 0</b>	J. Gelp	11-24	1221	Justin Gelp	11/24/23	1221	23	>	=	Y
Radium 226/228, only										

PH J 90719  
own  
1/12/23

<b>SAMPLER NAME AND SIGNATURE</b>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Gelp				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YYYY):	11-24-23		

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Elizabeth A Hurley  
TekLab, Inc  
5445 Horseshoe Lake Road  
Collinsville, Illinois 62234

Generated 1/2/2024 5:14:24 PM

## JOB DESCRIPTION

Radium-226 and Radium-228  
23110441

## JOB NUMBER

160-52403-1

# Eurofins St. Louis

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated  
1/2/2024 5:14:24 PM

Authorized for release by  
Casey Robertson, Project Manager  
[Casey.Robertson@et.eurofinsus.com](mailto:Casey.Robertson@et.eurofinsus.com)  
Designee for  
Jayna Awalt, Project Manager II  
[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)  
(314)298-8566



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# Case Narrative

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141 Job ID: 160-52403-1

Client: TekLab, Inc  
Project: Radium-226 and Radium-228

**Job ID: 160-52403-1**

**Eurofins St. Louis**

## Job Narrative 160-52403-1

### Receipt

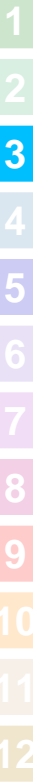
The samples were received on 11/30/2023 12:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 2 coolers at receipt time were 16.8°C and 16.8°C

### Gas Flow Proportional Counter

Method 904.0: Radium-228 Prep Batch 639341:

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: 23110441-021 (160-52403-21). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.











## Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-52403-1

SDG Number: 23110441

**Login Number: 52403**

**List Number: 1**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	No volume was received for samples 8 and 20. Notation of "Dry" is written on chain.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: TekLab, Inc  
Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
SDG: 23110441

## Qualifiers

### Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Method Summary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141  
Job ID: 160-52403-1  
SDG: 23110441

Client: TekLab, Inc  
Project/Site: Radium-226 and Radium-228

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

### Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

### Laboratory References:

- EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228



Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52403-1	23110441-001	Water	11/27/23 12:05	11/30/23 12:25
160-52403-2	23110441-002	Water	11/28/23 10:44	11/30/23 12:25
160-52403-3	23110441-003	Water	11/28/23 10:03	11/30/23 12:25
160-52403-4	23110441-004	Water	11/27/23 11:11	11/30/23 12:25
160-52403-5	23110441-005	Water	11/28/23 13:20	11/30/23 12:25
160-52403-6	23110441-006	Water	11/28/23 12:41	11/30/23 12:25
160-52403-7	23110441-007	Water	11/28/23 11:21	11/30/23 12:25
160-52403-9	23110441-009	Water	11/28/23 14:23	11/30/23 12:25
160-52403-10	23110441-010	Water	11/28/23 12:08	11/30/23 12:25
160-52403-11	23110441-011	Water	11/28/23 12:24	11/30/23 12:25
160-52403-12	23110441-012	Water	11/27/23 13:47	11/30/23 12:25
160-52403-13	23110441-013	Water	11/27/23 13:09	11/30/23 12:25
160-52403-14	23110441-014	Water	11/27/23 11:32	11/30/23 12:25
160-52403-15	23110441-015	Water	11/27/23 12:31	11/30/23 12:25
160-52403-16	23110441-016	Water	11/28/23 13:36	11/30/23 12:25
160-52403-17	23110441-017	Water	11/27/23 13:35	11/30/23 12:25
160-52403-18	23110441-018	Water	11/27/23 12:54	11/30/23 12:25
160-52403-19	23110441-019	Water	11/28/23 10:35	11/30/23 12:25
160-52403-21	23110441-021	Water	11/29/23 10:30	11/30/23 12:25
160-52403-22	23110441-022	Water	11/28/23 14:01	11/30/23 12:25
160-52403-23	23110441-023	Water	11/29/23 10:35	11/30/23 12:25
160-52403-24	23110441-024	Water	11/28/23 10:35	11/30/23 12:25



ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

# Client Sample Results

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-001**

**Lab Sample ID: 160-52403-1**

Date Collected: 11/27/23 12:05

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0422	U	0.129	0.129	1.00	0.280	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.160	U	0.281	0.281	1.00	0.485	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	82.2		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.160	U	0.309	0.309	5.00	0.485	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-002**

**Lab Sample ID: 160-52403-2**

Date Collected: 11/28/23 10:44

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.240	U	0.177	0.178	1.00	0.255	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					12/04/23 09:34	12/29/23 14:47	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.751</b>		0.377	0.384	1.00	0.526	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	83.7		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.992</b>		0.416	0.423	5.00	0.526	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

# Client Sample Results

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-003**

**Lab Sample ID: 160-52403-3**

Date Collected: 11/28/23 10:03

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.173	U	0.151	0.152	1.00	0.225	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					12/04/23 09:34	12/29/23 14:47	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.291	U	0.351	0.352	1.00	0.579	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	88.2		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.465	U	0.382	0.383	5.00	0.579	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-004**

**Lab Sample ID: 160-52403-4**

Date Collected: 11/27/23 11:11

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.267	U	0.219	0.220	1.00	0.322	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:34	12/29/23 14:47	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.567	U	0.447	0.450	1.00	0.689	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	83.4		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.834		0.498	0.501	5.00	0.689	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

# Client Sample Results

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-005**

**Lab Sample ID: 160-52403-5**

Date Collected: 11/28/23 13:20

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.264	U	0.194	0.195	1.00	0.266	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:34	12/29/23 14:47	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.316	U	0.365	0.366	1.00	0.598	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	86.4		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.580	U	0.413	0.415	5.00	0.598	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-006**

**Lab Sample ID: 160-52403-6**

Date Collected: 11/28/23 12:41

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0746	U	0.133	0.133	1.00	0.321	pCi/L	12/04/23 09:34	12/29/23 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					12/04/23 09:34	12/29/23 14:47	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.337	U	0.403	0.404	1.00	0.665	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	85.6		30 - 110					12/04/23 09:37	12/28/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.337	U	0.424	0.425	5.00	0.665	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
**Client Sample Results**  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-007**

**Lab Sample ID: 160-52403-7**

Date Collected: 11/28/23 11:21

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.225	U	0.213	0.214	1.00	0.335	pCi/L	12/04/23 09:34	12/29/23 14:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					12/04/23 09:34	12/29/23 14:48	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.664</b>		0.363	0.368	1.00	0.504	pCi/L	12/04/23 09:37	12/28/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					12/04/23 09:37	12/28/23 11:52	1
Y Carrier	77.4		30 - 110					12/04/23 09:37	12/28/23 11:52	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.889</b>		0.421	0.426	5.00	0.504	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-009**

**Lab Sample ID: 160-52403-9**

Date Collected: 11/28/23 14:23

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0598	U	0.121	0.121	1.00	0.218	pCi/L	12/04/23 09:34	12/29/23 14:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/04/23 09:34	12/29/23 14:48	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.119	U	0.307	0.308	1.00	0.604	pCi/L	12/04/23 09:37	12/28/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					12/04/23 09:37	12/28/23 11:52	1
Y Carrier	78.9		30 - 110					12/04/23 09:37	12/28/23 11:52	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0598	U	0.330	0.331	5.00	0.604	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
**Client Sample Results**

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-010**

**Lab Sample ID: 160-52403-10**

Date Collected: 11/28/23 12:08

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0386	U	0.158	0.158	1.00	0.300	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.349	U	0.381	0.382	1.00	0.621	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	83.0		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.388	U	0.412	0.413	5.00	0.621	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-011**

**Lab Sample ID: 160-52403-11**

Date Collected: 11/28/23 12:24

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.143	U	0.184	0.184	1.00	0.306	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.571	U	0.514	0.517	1.00	0.820	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	87.5		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.714	U	0.546	0.549	5.00	0.820	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
**Client Sample Results**

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-012**  
 Date Collected: 11/27/23 13:47  
 Date Received: 11/30/23 12:25

**Lab Sample ID: 160-52403-12**  
 Matrix: Water

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.265	U	0.191	0.192	1.00	0.275	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.675</b>		0.376	0.381	1.00	0.527	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	77.0		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>0.939</b>		0.422	0.427	5.00	0.527	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-013**  
 Date Collected: 11/27/23 13:09  
 Date Received: 11/30/23 12:25

**Lab Sample ID: 160-52403-13**  
 Matrix: Water

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.457	U	0.327	0.329	1.00	0.479	pCi/L	12/04/23 09:34	12/29/23 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					12/04/23 09:34	12/29/23 14:49	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.868</b>		0.537	0.543	1.00	0.787	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	85.6		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>1.32</b>		0.629	0.635	5.00	0.787	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

# Client Sample Results

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-014**

**Lab Sample ID: 160-52403-14**

Date Collected: 11/27/23 11:32

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0461	U	0.136	0.136	1.00	0.251	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					12/04/23 09:34	12/29/23 14:44	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0536	U	0.290	0.290	1.00	0.564	pCi/L	12/04/23 09:37	12/28/23 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					12/04/23 09:37	12/28/23 11:53	1
Y Carrier	70.7		30 - 110					12/04/23 09:37	12/28/23 11:53	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0461	U	0.320	0.320	5.00	0.564	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-015**

**Lab Sample ID: 160-52403-15**

Date Collected: 11/27/23 12:31

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0866	U	0.171	0.171	1.00	0.306	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					12/04/23 09:34	12/29/23 14:44	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.923</b>		0.570	0.576	1.00	0.851	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	79.6		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>1.01</b>		0.595	0.601	5.00	0.851	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

# Client Sample Results

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-016**

**Lab Sample ID: 160-52403-16**

Date Collected: 11/28/23 13:36

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00640	U	0.173	0.173	1.00	0.346	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:34	12/29/23 14:44	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0556	U	0.433	0.433	1.00	0.796	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	73.6		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0620	U	0.466	0.466	5.00	0.796	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-017**

**Lab Sample ID: 160-52403-17**

Date Collected: 11/27/23 13:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.388</b>		0.201	0.204	1.00	0.260	pCi/L	12/04/23 09:34	12/29/23 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					12/04/23 09:34	12/29/23 14:44	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.809</b>		0.410	0.417	1.00	0.568	pCi/L	12/04/23 09:37	12/28/23 11:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	78.5		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium 226 and 228</b>	<b>1.20</b>		0.457	0.464	5.00	0.568	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

# Client Sample Results

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-018**

**Lab Sample ID: 160-52403-18**

Date Collected: 11/27/23 12:54

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.248	U	0.177	0.178	1.00	0.251	pCi/L	12/04/23 09:34	12/29/23 16:46	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	93.3		30 - 110					12/04/23 09:34	12/29/23 16:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0248	U	0.226	0.226	1.00	0.441	pCi/L	12/04/23 09:37	12/28/23 11:58	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	93.3		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	86.7		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.248	U	0.287	0.288	5.00	0.441	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-019**

**Lab Sample ID: 160-52403-19**

Date Collected: 11/28/23 10:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.324		0.179	0.182	1.00	0.223	pCi/L	12/04/23 09:34	12/29/23 16:46	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	91.0		30 - 110					12/04/23 09:34	12/29/23 16:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.123	U	0.247	0.247	1.00	0.495	pCi/L	12/04/23 09:37	12/28/23 11:58	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	91.0		30 - 110					12/04/23 09:37	12/28/23 11:58	1
Y Carrier	93.1		30 - 110					12/04/23 09:37	12/28/23 11:58	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.324	U	0.305	0.307	5.00	0.495	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
**Client Sample Results**  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-021**

**Lab Sample ID: 160-52403-21**

Date Collected: 11/29/23 10:30

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.478	U	0.370	0.372	1.00	0.546	pCi/L	12/04/23 09:34	12/29/23 16:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:34	12/29/23 16:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.163	U G	0.641	0.641	1.00	1.15	pCi/L	12/04/23 09:37	12/28/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110					12/04/23 09:37	12/28/23 11:59	1
Y Carrier	83.0		30 - 110					12/04/23 09:37	12/28/23 11:59	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.640	U	0.740	0.741	5.00	1.15	pCi/L		01/02/24 09:24	1

**Client Sample ID: 23110441-022**

**Lab Sample ID: 160-52403-22**

Date Collected: 11/28/23 14:01

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.712		0.253	0.261	1.00	0.263	pCi/L	12/04/23 09:34	12/29/23 16:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:34	12/29/23 16:46	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0111	U	0.256	0.256	1.00	0.492	pCi/L	12/04/23 09:37	12/28/23 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					12/04/23 09:37	12/28/23 11:59	1
Y Carrier	84.1		30 - 110					12/04/23 09:37	12/28/23 11:59	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.712		0.360	0.366	5.00	0.492	pCi/L		01/02/24 09:24	1

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ATTACHMENT B.  
**Client Sample Results** 945 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

Job ID: 160-52403-1  
 SDG: 23110441

**Client Sample ID: 23110441-023**

**Lab Sample ID: 160-52403-23**

Date Collected: 11/29/23 10:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0792	U	0.139	0.139	1.00	0.243	pCi/L	12/04/23 09:27	12/29/23 16:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					12/04/23 09:27	12/29/23 16:50	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.000	U	0.248	0.248	1.00	0.470	pCi/L	12/04/23 09:32	12/28/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					12/04/23 09:32	12/28/23 11:44	1
Y Carrier	81.1		30 - 110					12/04/23 09:32	12/28/23 11:44	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0792	U	0.284	0.284	5.00	0.470	pCi/L		01/02/24 16:47	1

**Client Sample ID: 23110441-024**

**Lab Sample ID: 160-52403-24**

Date Collected: 11/28/23 10:35

Matrix: Water

Date Received: 11/30/23 12:25

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0527	U	0.132	0.132	1.00	0.240	pCi/L	12/04/23 09:27	12/29/23 16:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					12/04/23 09:27	12/29/23 16:50	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.166	U	0.214	0.215	1.00	0.473	pCi/L	12/04/23 09:32	12/28/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					12/04/23 09:32	12/28/23 11:44	1
Y Carrier	74.0		30 - 110					12/04/23 09:32	12/28/23 11:44	1

**Method: TAL-STL Ra226\_Ra228 Pos - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0527	U	0.251	0.252	5.00	0.473	pCi/L		01/02/24 16:47	1

Eurofins St. Louis

# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 Job ID: 160-52403-1  
 KIN-845-141  
 SDG: 23110441

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

## Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-639337/1-A  
 Matrix: Water  
 Analysis Batch: 642534

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 639337

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04475	U	0.116	0.116	1.00	0.215	pCi/L	12/04/23 09:27	12/29/23 16:53	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	101		30 - 110					12/04/23 09:27	12/29/23 16:53	1

Lab Sample ID: LCS 160-639337/2-A  
 Matrix: Water  
 Analysis Batch: 642534

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 639337

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	10.72		1.27	1.00	0.199	pCi/L	95	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	90.8		30 - 110					12/04/23 09:27	12/29/23 16:53

Lab Sample ID: MB 160-639339/1-A  
 Matrix: Water  
 Analysis Batch: 642534

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 639339

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.1027	U	0.0913	0.0917	1.00	0.248	pCi/L	12/04/23 09:34	12/29/23 14:46	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	95.8		30 - 110					12/04/23 09:34	12/29/23 14:46	1

Lab Sample ID: LCS 160-639339/2-A  
 Matrix: Water  
 Analysis Batch: 642534

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 639339

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	9.736		1.19	1.00	0.224	pCi/L	86	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	92.8		30 - 110					12/04/23 09:34	12/29/23 14:46

Lab Sample ID: 160-52403-22 DU  
 Matrix: Water  
 Analysis Batch: 642534

Client Sample ID: 23110441-022  
 Prep Type: Total/NA  
 Prep Batch: 639339

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-226	0.712		0.5750		0.222	1.00	0.215	pCi/L	0.28	1

Eurofins St. Louis

# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 Job ID: 160-52403-1  
 KIN-845-141  
 SDG: 23110441

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

## Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-52403-22 DU  
 Matrix: Water  
 Analysis Batch: 642534

Client Sample ID: 23110441-022  
 Prep Type: Total/NA  
 Prep Batch: 639339

Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.8	U	30 - 110

## Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-639338/1-A  
 Matrix: Water  
 Analysis Batch: 642363

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 639338

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.08165	U	0.230	0.230	1.00	0.464	pCi/L	12/04/23 09:32	12/28/23 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					12/04/23 09:32	12/28/23 11:41	1
Y Carrier	75.5		30 - 110					12/04/23 09:32	12/28/23 11:41	1

Lab Sample ID: LCS 160-639338/2-A  
 Matrix: Water  
 Analysis Batch: 642363

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 639338

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.36	9.381		1.29	1.00	0.488	pCi/L	100	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	90.8		30 - 110						
Y Carrier	77.4		30 - 110						

Lab Sample ID: MB 160-639341/1-A  
 Matrix: Water  
 Analysis Batch: 642235

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 639341

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2230	U	0.306	0.306	1.00	0.512	pCi/L	12/04/23 09:37	12/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					12/04/23 09:37	12/28/23 11:54	1
Y Carrier	81.5		30 - 110					12/04/23 09:37	12/28/23 11:54	1

Lab Sample ID: LCS 160-639341/2-A  
 Matrix: Water  
 Analysis Batch: 642235

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 639341

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.36	10.20		1.34	1.00	0.451	pCi/L	109	75 - 125

# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141 Job ID: 160-52403-1  
 SDG: 23110441

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

## Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-639341/2-A  
 Matrix: Water  
 Analysis Batch: 642235

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 639341

Carrier	LCS	LCS	Limits
	%Yield	Qualifier	
Ba Carrier	92.8		30 - 110
Y Carrier	86.7		30 - 110

Lab Sample ID: 160-52403-22 DU  
 Matrix: Water  
 Analysis Batch: 642352

Client Sample ID: 23110441-022  
 Prep Type: Total/NA  
 Prep Batch: 639341

Analyte	Sample	Sample	DU		Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert.					Limit
Radium-228	-0.0111	U	0.3365	U	0.331	1.00	0.529	pCi/L	0.59	1

Carrier	DU	DU	Limits
	%Yield	Qualifier	
Ba Carrier	93.8		30 - 110
Y Carrier	89.7		30 - 110

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# QC Association Summary

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 Job ID: 160-52403-1  
 KIN-845-141  
 SDG: 23110441

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

## Rad

### Prep Batch: 639337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-23	23110441-023	Total/NA	Water	PrecSep-21	
160-52403-24	23110441-024	Total/NA	Water	PrecSep-21	
MB 160-639337/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-639337/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 639338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-23	23110441-023	Total/NA	Water	PrecSep_0	
160-52403-24	23110441-024	Total/NA	Water	PrecSep_0	
MB 160-639338/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-639338/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 639339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-1	23110441-001	Total/NA	Water	PrecSep-21	
160-52403-2	23110441-002	Total/NA	Water	PrecSep-21	
160-52403-3	23110441-003	Total/NA	Water	PrecSep-21	
160-52403-4	23110441-004	Total/NA	Water	PrecSep-21	
160-52403-5	23110441-005	Total/NA	Water	PrecSep-21	
160-52403-6	23110441-006	Total/NA	Water	PrecSep-21	
160-52403-7	23110441-007	Total/NA	Water	PrecSep-21	
160-52403-9	23110441-009	Total/NA	Water	PrecSep-21	
160-52403-10	23110441-010	Total/NA	Water	PrecSep-21	
160-52403-11	23110441-011	Total/NA	Water	PrecSep-21	
160-52403-12	23110441-012	Total/NA	Water	PrecSep-21	
160-52403-13	23110441-013	Total/NA	Water	PrecSep-21	
160-52403-14	23110441-014	Total/NA	Water	PrecSep-21	
160-52403-15	23110441-015	Total/NA	Water	PrecSep-21	
160-52403-16	23110441-016	Total/NA	Water	PrecSep-21	
160-52403-17	23110441-017	Total/NA	Water	PrecSep-21	
160-52403-18	23110441-018	Total/NA	Water	PrecSep-21	
160-52403-19	23110441-019	Total/NA	Water	PrecSep-21	
160-52403-21	23110441-021	Total/NA	Water	PrecSep-21	
160-52403-22	23110441-022	Total/NA	Water	PrecSep-21	
MB 160-639339/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-639339/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52403-22 DU	23110441-022	Total/NA	Water	PrecSep-21	

### Prep Batch: 639341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-1	23110441-001	Total/NA	Water	PrecSep_0	
160-52403-2	23110441-002	Total/NA	Water	PrecSep_0	
160-52403-3	23110441-003	Total/NA	Water	PrecSep_0	
160-52403-4	23110441-004	Total/NA	Water	PrecSep_0	
160-52403-5	23110441-005	Total/NA	Water	PrecSep_0	
160-52403-6	23110441-006	Total/NA	Water	PrecSep_0	
160-52403-7	23110441-007	Total/NA	Water	PrecSep_0	
160-52403-9	23110441-009	Total/NA	Water	PrecSep_0	
160-52403-10	23110441-010	Total/NA	Water	PrecSep_0	
160-52403-11	23110441-011	Total/NA	Water	PrecSep_0	
160-52403-12	23110441-012	Total/NA	Water	PrecSep_0	

# QC Association Summary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141  
Job ID: 160-52403-1  
SDG: 23110441

Client: TekLab, Inc  
Project/Site: Radium-226 and Radium-228

## Rad (Continued)

### Prep Batch: 639341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52403-13	23110441-013	Total/NA	Water	PrecSep_0	
160-52403-14	23110441-014	Total/NA	Water	PrecSep_0	
160-52403-15	23110441-015	Total/NA	Water	PrecSep_0	
160-52403-16	23110441-016	Total/NA	Water	PrecSep_0	
160-52403-17	23110441-017	Total/NA	Water	PrecSep_0	
160-52403-18	23110441-018	Total/NA	Water	PrecSep_0	
160-52403-19	23110441-019	Total/NA	Water	PrecSep_0	
160-52403-21	23110441-021	Total/NA	Water	PrecSep_0	
160-52403-22	23110441-022	Total/NA	Water	PrecSep_0	
MB 160-639341/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-639341/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52403-22 DU	23110441-022	Total/NA	Water	PrecSep_0	



# Tracer/Carrier Summary

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141      Job ID: 160-52403-1  
 SDG: 23110441

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

## Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	
160-52403-1	23110441-001	90.8	
160-52403-2	23110441-002	94.8	
160-52403-3	23110441-003	91.3	
160-52403-4	23110441-004	89.8	
160-52403-5	23110441-005	90.8	
160-52403-6	23110441-006	91.8	
160-52403-7	23110441-007	93.5	
160-52403-9	23110441-009	91.0	
160-52403-10	23110441-010	85.8	
160-52403-11	23110441-011	90.5	
160-52403-12	23110441-012	91.5	
160-52403-13	23110441-013	79.9	
160-52403-14	23110441-014	97.0	
160-52403-15	23110441-015	93.8	
160-52403-16	23110441-016	91.5	
160-52403-17	23110441-017	89.3	
160-52403-18	23110441-018	93.3	
160-52403-19	23110441-019	91.0	
160-52403-21	23110441-021	90.8	
160-52403-22	23110441-022	89.8	
160-52403-22 DU	23110441-022	93.8	
160-52403-23	23110441-023	96.5	
160-52403-24	23110441-024	95.8	
LCS 160-639337/2-A	Lab Control Sample	90.8	
LCS 160-639339/2-A	Lab Control Sample	92.8	
MB 160-639337/1-A	Method Blank	101	
MB 160-639339/1-A	Method Blank	95.8	

**Tracer/Carrier Legend**  
 Ba = Ba Carrier

## Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-52403-1	23110441-001	90.8	82.2
160-52403-2	23110441-002	94.8	83.7
160-52403-3	23110441-003	91.3	88.2
160-52403-4	23110441-004	89.8	83.4
160-52403-5	23110441-005	90.8	86.4
160-52403-6	23110441-006	91.8	85.6
160-52403-7	23110441-007	93.5	77.4
160-52403-9	23110441-009	91.0	78.9
160-52403-10	23110441-010	85.8	83.0
160-52403-11	23110441-011	90.5	87.5
160-52403-12	23110441-012	91.5	77.0
160-52403-13	23110441-013	79.9	85.6
160-52403-14	23110441-014	97.0	70.7



# Tracer/Carrier Summary

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141  
 Job ID: 160-52403-1  
 SDG: 23110441

Client: TekLab, Inc  
 Project/Site: Radium-226 and Radium-228

**Method: 904.0 - Radium-228 (GFPC) (Continued)**

**Matrix: Water**

**Prep Type: Total/NA**

**Percent Yield (Acceptance Limits)**

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-52403-15	23110441-015	93.8	79.6
160-52403-16	23110441-016	91.5	73.6
160-52403-17	23110441-017	89.3	78.5
160-52403-18	23110441-018	93.3	86.7
160-52403-19	23110441-019	91.0	93.1
160-52403-21	23110441-021	90.8	83.0
160-52403-22	23110441-022	89.8	84.1
160-52403-22 DU	23110441-022	93.8	89.7
160-52403-23	23110441-023	96.5	81.1
160-52403-24	23110441-024	95.8	74.0
LCS 160-639338/2-A	Lab Control Sample	90.8	77.4
LCS 160-639341/2-A	Lab Control Sample	92.8	86.7
MB 160-639338/1-A	Method Blank	101	75.5
MB 160-639341/1-A	Method Blank	95.8	81.5

**Tracer/Carrier Legend**

Ba = Ba Carrier

Y = Y Carrier



Site Sampling Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

**Groundwater Sampling Summary**  
 Kincaid- 4Q 2023

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	MW-1	Groundwater Sample	30.0	None	W	Clear	Good	Good	Good	Yes	Yes
002	MW-11	Groundwater Sample	23.0	None	SE	Clear	Good	Good	Good	Yes	Yes
003	MW-12	Groundwater Sample	21.0	None	SE	Clear	Good	Good	Good	Yes	Yes
004	MW-12S	DTW Only	35.0	None	E	Clear	Good	Good	Good	Yes	Yes
005	MW-12D	DTW Only	35.0	None	E	Clear	Good	Good	Good	Yes	Yes
006	MW-2	Groundwater Sample	30.0	None	W	Clear	Good	Good	Good	Yes	Yes
007	MW-20	Groundwater Sample	29.0	None	E	Clear	Good	Good	Good	Yes	Yes
008	MW-20S	Groundwater Sample	28.0	None	E	Clear	Good	Good	Good	Yes	Yes
009	MW-23	Groundwater Sample	24.0	None	E	Clear	Good	Good	Good	Yes	Yes
010	MW-27	Groundwater Sample	20.0	None	W	Clear	Good	Good	Good	Yes	Yes
011	MW-28	Groundwater Sample	20.0	None	W	Clear	Good	Good	Good	Yes	Yes
012	MW-3	Groundwater Sample	27.0	None	E	Clear	Good	Good	Good	Yes	Yes
013	MW-30	Groundwater Sample	20.0	None	W	Clear	Good	Good	Good	Yes	Yes
014	MW-31	Groundwater Sample	35.0	None	E	Clear	Good	Good	Good	Yes	Yes
015	MW-31S	Groundwater Sample	34.0	None	E	Clear	Good	Good	Good	Yes	Yes
016	MW-32	Groundwater Sample	32.0	None	E	Clear	Good	Good	Good	Yes	Yes
017	MW-5	Groundwater Sample	33.0	None	E	Clear	Good	Good	Good	Yes	Yes
018	MW-6	Groundwater Sample	20.0	None	W	Clear	Good	Good	Good	Yes	Yes
019	MW-7	Groundwater Sample	30.0	None	W	Clear	Good	Good	Good	Yes	Yes
020	MW-7S	Groundwater Sample	30.0	None	W	Clear	Good	Good	Good	Yes	Yes
021	MW-8	Groundwater Sample	18.0	None	W	Clear	Good	Good	Good	Yes	Yes
022	MW-8S	Groundwater Sample	33.0	None	W	Clear	Good	Good	Good	Yes	Yes
023	PZ-4A	Groundwater Sample	40.0	None	E	Clear	Good	Good	Good	Yes	Yes
024	PZ-4C	Groundwater Sample	30.0	None	E	Clear	Good	Good	Good	Yes	Yes
025	SG-02	DTW Only	30.0	None	W	Clear	Good	Good	Good	Yes	Yes
026	XSG-01	DTW Only	28.0	None	W	Clear	Good	Good	Good	Yes	Yes
027	Field Blank	QA/QC Sample	41.0	None	E	Clear					
028	MW-8 Duplicate	QA/QC Sample	18.0	None	W	Clear	Good	Good	Good	Yes	Yes

Site Sampling Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary  
 Kincaid- 4Q 2023

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	MW-1	DC	11/27/23 11:41	17.05		DC	11/27/2023	11:42	12:05	Bladder Pump	2"	5.0	217.4
002	MW-11	JC	11/28/23 10:28	11.74		JC	11/28/2023	10:30	10:44	Bladder Pump	2"	2.0	142.9
003	MW-12	JC	11/28/23 9:29	7.22		JC	11/28/2023	09:30	10:03	Bladder Pump	2"	5.0	151.5
004	MW-12S	JC	11/27/23 10:53	7.89									
005	MW-12D	JC	11/27/23 10:52	4.56									
006	MW-2	TAC	11/27/23 10:07	8.11		DC	11/27/2023	10:37	11:11	Bladder Pump	2"	7.5	220.6
007	MW-20	JC	11/28/23 12:44	8.20		JC	11/28/2023	12:57	13:20	Bladder Pump	2"	3.0	130.4
008	MW-20S	JC	11/28/23 12:31	7.92		JC	11/28/2023	12:31	12:41	Bladder Pump	2"	2.0	200.0
009	MW-23	JC	11/28/23 11:23	16.61		JC	11/28/2023	11:05	11:21	Bladder Pump	2"	2.0	125.0
010	MW-27	DC	11/28/23 11:01	T.O.P.		DC	11/28/2023	11:03	11:13	Bladder Pump	2"		
011	MW-28	DC	11/28/23 13:58	8.11		DC	11/28/2023	13:58	14:23	Bladder Pump	2"	5.5	220.0
012	MW-3	JC	11/28/23 11:54	8.62		JC	11/28/2023	11:55	12:08	Bladder Pump	2"	3.0	230.8
013	MW-30	TAC	11/28/23 11:48	25.56		DC	11/28/2023	12:06	12:24	Bladder Pump	2"	3.5	194.4
014	MW-31	JC	11/27/23 13:13	33.20		JC	11/27/2023	13:36	13:47	Bladder Pump	2"	2.0	181.8
015	MW-31S	JC	11/27/23 12:35	20.31		JC	11/27/2023	12:51	13:09	Bladder Pump	2"	2.5	138.9
016	MW-32	JC	11/27/23 11:36	25.50		JC	11/27/2023	11:22	11:32	Bladder Pump	2"	1.0	100.0
017	MW-5	JC	11/27/23 11:39	28.57		JC	11/27/2023	11:58	12:31	Bladder Pump	2"	3.0	90.9
018	MW-6	DC	11/28/23 13:15	12.05		DC	11/28/2023	13:15	13:36	Bladder Pump	2"	6.5	309.5
019	MW-7	DC	11/27/23 12:58	9.44		DC	11/27/2023	13:15	13:35	Bladder Pump	2"	3.0	150.0
020	MW-7S	DC	11/27/23 12:34	T.O.P.		DC	11/27/2023	12:36	12:54	Bladder Pump	2"	2.5	138.9
021	MW-8	DC	11/28/23 10:06	9.52		DC	11/28/2023	10:07	10:35	Bladder Pump	2"	7.0	250.0
022	MW-8S	DC	11/27/23 14:17	T.O.P.		DC	11/27/2023	14:18	14:28	Bladder Pump	2"	0.0	0.0
023	PZ-4A	JC	11/29/23 10:02	7.97		JC	11/29/2023	10:07	10:30	Submersible Pump	2"	3.0	130.4
024	PZ-4C	JC	11/28/23 13:40	7.56		JC	11/28/2023	13:45	14:01	Submersible Pump	2"	4.0	250.0
025	SG-02	JC	11/27/23 10:30	14.73									
026	XSG-01	JC	11/27/23 9:49	5.52									
027	Field Blank												
028	MW-8 Duplicate	DC	11/28/23 10:06	9.52			11/28/2023	10:07	10:35	Bladder Pump	2"	7.0	250.0

Site Sampling Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary  
 Kincaid- 4Q 2023

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-1	TAC	11/27/23	12:05	Low Flow	No	Clear	None	None	17.50	0.45
002	MW-11	JC	11/28/23	10:44	Low Flow	No	Clear	None	none	12.70	0.96
003	MW-12	JC	11/28/23	10:03	Low Flow	No	Clear	Slight	none	8.28	1.06
004	MW-12S										
005	MW-12D										
006	MW-2	TAC	11/27/23	11:11	Low Flow	No	Slightly cloudy	Slight	None	10.08	1.97
007	MW-20	JC	11/28/23	13:20	Low Flow	No	Cloudy	None	none	11.70	3.50
008	MW-20S	JC	11/28/23	12:41	Low Flow	No	Clear	None	none	8.92	1.00
009	MW-23	JC	11/28/23	11:21	Low Flow	No	Slightly cloudy	None	none	18.45	1.84
010	MW-27										
011	MW-28	TAC	11/28/23	14:23	Low Flow	No	Clear	None	None	8.65	0.54
012	MW-3	JC	11/28/23	12:08	Low Flow	No	Clear	None	none	9.29	0.67
013	MW-30	TAC	11/28/23	12:24	Low Flow	No	Clear	None	None	30.76	5.20
014	MW-31	JC	11/27/23	13:47	Low Flow	No	Clear	Slight	none	34.18	0.98
015	MW-31S	JC	11/27/23	13:09	Low Flow	No	Slightly cloudy	Moderate	none	23.56	3.25
016	MW-32	JC	11/27/23	11:32	Low Flow	No	Clear	None	none	25.51	0.01
017	MW-5	JC	11/27/23	12:31	Low Flow	No	Clear	None	none	29.81	1.24
018	MW-6	TAC	11/28/23	13:36	Low Flow	No	Clear	None	None	13.45	1.40
019	MW-7	TAC	11/27/23	13:35	Low Flow	No	Clear	None	None	11.06	1.62
020	MW-7S	TAC	11/27/23	12:54	Low Flow	No	Clear	None	None		
021	MW-8	TAC	11/28/23	10:35	Low Flow	No	Clear	None	None	10.01	0.49
022	MW-8S										
023	PZ-4A	JC	11/29/23	10:30	Low Flow	No	Slightly cloudy	None	none	8.18	0.21
024	PZ-4C	JC	11/28/23	14:01	Low Flow	No	Slightly cloudy	Strong	none	8.20	0.64
025	SG-02										
026	XSG-01										
027	Field Blank	JC	11/29/23	10:35							
028	MW-8 Duplicate	TAC	11/28/23	10:35	Low Flow	No	Clear	None	None	10.01	0.49

Site Sampling Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary  
 Kincaid- 4Q 2023

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

WO Sample	Well ID	COMMENTS
001	MW-1	
002	MW-11	
003	MW-12	
004	MW-12S	DTW Only
005	MW-12D	DTW Only
006	MW-2	
007	MW-20	
008	MW-20S	
009	MW-23	
010	MW-27	15.33 Top of pump/ Dry- No sample
011	MW-28	
012	MW-3	
013	MW-30	
014	MW-31	
015	MW-31S	
016	MW-32	
017	MW-5	
018	MW-6	
019	MW-7	
020	MW-7S	Top of pump 10.24
021	MW-8	
022	MW-8S	Top of Pump 7.50/ Dry- No sample
023	PZ-4A	
024	PZ-4C	
025	SG-02	DTW Only
026	XSG-01	DTW Only
027	Field Blank	
028	MW-8 Duplicate	

Site Samping Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary  
 Kincaid- 4Q 2023

Well ID	Date	Time	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID	
MW-1	11/27/2023	12:05	15.6	60.1	6.36	532.1	1.01	2.23	84.6	17.05	23110440-001A	
MW-11	11/28/2023	10:44	13.2	55.8	6.88	962.8	1.17	8.12	16.8	11.74	23110440-002A	
MW-12	11/28/2023	10:03	10.6	51.1	6.75	1,412.9	0.87	9.27	-37.7	7.22	23110440-003A	
MW-12S	11/27/2023	10:53	DTW Only								7.89	23110440-004A
MW-12D	11/27/2023	10:52	DTW Only								4.56	23110440-005A
MW-2	11/27/2023	11:11	13.3	55.9	6.95	779.0	1.82	54.42	7.8	8.11	23110440-006A	
MW-20	11/28/2023	13:20	13.8	56.8	7.09	993.1	1.35	65.30	17.8	8.20	23110440-007A	
MW-20S	11/28/2023	12:41	13.8	56.8	7.01	1,349.3	3.17	5.30	101.5	7.92	23110440-008A	
MW-23	11/28/2023	11:21	13.0	55.4	6.96	947.1	1.52	9.38	42.7	16.61	23110440-009A	
MW-27			Dry- No Sample								T.O.P.	23110440-010A
MW-28	11/28/2023	14:23	14.5	58.1	6.58	1,893.2	1.04	2.78	77.2	8.11	23110440-011A	
MW-3	11/28/2023	12:08	12.8	55.0	6.97	882.0	1.59	6.22	65.9	8.62	23110440-012A	
MW-30	11/28/2023	12:24	13.5	56.3	6.57	1,041.8	1.38	34.93	-66.1	25.56	23110440-013A	
MW-31	11/27/2023	13:47	13.1	55.6	6.65	980.9	2.30	5.90	-51.6	33.20	23110440-014A	
MW-31S	11/27/2023	13:09	14.0	57.2	6.54	1,232.9	1.34	9.47	-85.6	20.31	23110440-015A	
MW-32	11/27/2023	11:32	14.1	57.4	6.38	1,386.0	1.38	4.33	142.5	25.50	23110440-016A	
MW-5	11/27/2023	12:31	10.9	51.6	6.62	1,225.0	0.95	10.28	20.8	28.57	23110440-017A	
MW-6	11/28/2023	13:36	14.6	58.3	6.40	922.6	3.19	14.52	74.5	12.05	23110440-018A	
MW-7	11/27/2023	13:35	13.7	56.7	6.75	1,292.9	1.32	11.19	26.8	9.44	23110440-019A	
MW-7S	11/27/2023	12:54	14.8	58.6	6.68	1,605.3	0.86	4.52	-56.0	T.O.P.	23110440-020A	
MW-8	11/28/2023	10:35	14.1	57.4	6.41	1,168.6	0.94	1.60	110.2	9.52	23110440-021A	
MW-8S			Dry- No Sample								T.O.P.	23110440-022A
PZ-4A	11/29/2023	10:30	14.8	58.6	6.78	1,384.5	4.62	16.80	120.4	7.97	23110440-023A	
PZ-4C	11/28/2023	14:01	13.6	56.5	7.36	876.9	1.00	12.62	-294.6	7.56	23110440-024A	
SG-02	11/27/2023	10:30	DTW Only								14.73	23110440-025A
XSG-01	11/27/2023	9:49	DTW Only								5.52	23110440-026A
Field Blank	11/29/2023	10:35										23110440-027A
MW-8 Duplicate	11/28/2023	10:35	14.1	57.4	6.41	1,168.6	0.94	1.60	110.2	9.52	23110440-028A	

Notes:

T.O.P.= top of pump measurement, no measurable water

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-1	11/27/2023	11:56	17.05	15.6	60.1	6.36	534.2	1.40	4.08	84.7
MW-1	11/27/2023	11:59	17.05	15.5	59.9	6.36	533.5	1.20	3.28	84.5
MW-1	11/27/2023	12:02	17.05	15.6	60.1	6.36	532.9	1.08	2.82	84.5
MW-1	11/27/2023	12:05	17.05	15.6	60.1	6.36	532.1	1.01	2.23	84.6

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-11	11/28/2023	10:38	11.74	12.8	55.0	6.92	961.9	1.80	15.95	12.4
MW-11	11/28/2023	10:41	11.74	12.8	55.0	6.90	965.5	1.40	10.60	17.2
MW-11	11/28/2023	10:44	11.74	13.2	55.8	6.88	962.8	1.17	8.12	16.8



Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-12	11/28/2023	9:48	7.22	11.4	52.5	6.73	1,382.4	1.19	24.80	-29.5
MW-12	11/28/2023	9:51	7.22	11.6	52.9	6.73	1,384.6	1.09	19.85	-32.6
MW-12	11/28/2023	9:54	7.22	11.8	53.2	6.74	1,391.4	1.00	17.11	-35.0
MW-12	11/28/2023	9:57	7.22	12.1	53.8	6.74	1,396.8	0.94	15.03	-36.6
MW-12	11/28/2023	10:00	7.22	11.6	52.9	6.75	1,409.3	0.90	13.11	-37.5
MW-12	11/28/2023	10:03	7.22	10.6	51.1	6.75	1,412.9	0.87	9.27	-37.7

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters

Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-12S	11/27/2023	10:53	7.89	DTW Only						

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-12D	11/27/2023	10:52	4.56	DTW Only						

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-2	11/27/2023	10:53	8.11	13.3	55.9	6.89	787.5	2.19	107.99	66.9
MW-2	11/27/2023	10:56	8.11	13.4	56.1	6.90	784.2	2.18	87.00	53.2
MW-2	11/27/2023	10:59	8.11	13.3	55.9	6.92	783.7	2.16	76.59	41.2
MW-2	11/27/2023	11:02	8.11	13.4	56.1	6.93	781.7	2.09	71.93	30.7
MW-2	11/27/2023	11:05	8.11	13.4	56.1	6.94	780.2	2.00	61.15	21.5
MW-2	11/27/2023	11:08	8.11	13.4	56.1	6.94	779.5	1.91	59.43	14.3
MW-2	11/27/2023	11:11	8.11	13.3	55.9	6.95	779.0	1.82	54.42	7.8

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-20	11/28/2023	13:11	8.20	14.0	57.2	7.09	998.1	1.59	66.37	24.4
MW-20	11/28/2023	13:14	8.20	13.9	57.0	7.09	996.5	1.47	66.69	21.9
MW-20	11/28/2023	13:17	8.20	13.8	56.8	7.08	996.9	1.39	64.57	18.8
MW-20	11/28/2023	13:20	8.20	13.8	56.8	7.09	993.1	1.35	65.30	17.8

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu\text{S}/\text{cm}$ )	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-20S	11/28/2023	12:35	7.92	13.1	55.6	7.08	1,368.3	4.29	8.95	102.2
MW-20S	11/28/2023	12:38	7.92	13.3	55.9	7.05	1,362.8	3.55	6.53	102.2
MW-20S	11/28/2023	12:41	7.92	13.8	56.8	7.01	1,349.3	3.17	5.30	101.5

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-23	11/28/2023	11:15	16.61	12.5	54.5	6.99	954.1	2.49	18.01	66.9
MW-23	11/28/2023	11:18	16.61	12.9	55.2	6.97	948.1	1.82	12.28	50.5
MW-23	11/28/2023	11:21	16.61	13.0	55.4	6.96	947.1	1.52	9.38	42.7

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters

Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-27	11/28/2023	11:01	T.O.P.	Dry- No Sample						



Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu\text{S}/\text{cm}$ )	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-28	11/28/2023	14:14	8.11	14.5	58.1	6.56	1,767.9	1.33	4.32	85.8
MW-28	11/28/2023	14:17	8.11	14.5	58.1	6.57	1,819.9	1.19	3.09	82.5
MW-28	11/28/2023	14:20	8.11	14.5	58.1	6.57	1,863.0	1.10	2.84	79.7
MW-28	11/28/2023	14:23	8.11	14.5	58.1	6.58	1,893.2	1.04	2.78	77.2

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-3	11/28/2023	12:02	8.62	12.4	54.3	7.04	882.0	3.20	11.76	54.8
MW-3	11/28/2023	12:05	8.62	13.1	55.6	6.99	879.2	2.10	8.86	62.7
MW-3	11/28/2023	12:08	8.62	12.8	55.0	6.97	882.0	1.59	6.22	65.9

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-30	11/28/2023	12:15	25.56	13.2	55.8	6.57	1,055.8	2.34	54.73	-59.2
MW-30	11/28/2023	12:18	25.56	13.5	56.3	6.56	1,052.1	1.86	51.76	-62.6
MW-30	11/28/2023	12:21	25.56	13.4	56.1	6.56	1,047.6	1.58	48.62	-64.8
MW-30	11/28/2023	12:24	25.56	13.5	56.3	6.57	1,041.8	1.38	34.93	-66.1

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-31	11/27/2023	13:41	33.20	12.9	55.2	6.75	982.6	4.59	11.13	-52.2
MW-31	11/27/2023	13:44	33.20	13.1	55.6	6.67	982.1	2.85	8.92	-53.4
MW-31	11/27/2023	13:47	33.20	13.1	55.6	6.65	980.9	2.30	5.90	-51.6

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-31S	11/27/2023	13:00	20.31	13.5	56.3	6.52	1,236.5	2.63	14.73	-67.6
MW-31S	11/27/2023	13:03	20.31	13.8	56.8	6.51	1,242.3	1.87	11.32	-73.2
MW-31S	11/27/2023	13:06	20.31	13.8	56.8	6.52	1,240.6	1.63	8.33	-80.0
MW-31S	11/27/2023	13:09	20.31	14.0	57.2	6.54	1,232.9	1.34	9.47	-85.6

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-32	11/27/2023	11:26	25.50	14.5	58.1	6.22	1,419.2	4.29	12.01	162.9
MW-32	11/27/2023	11:29	25.50	14.1	57.4	6.33	1,405.8	2.11	6.42	148.9
MW-32	11/27/2023	11:32	25.50	14.1	57.4	6.38	1,386.0	1.38	4.33	142.5

Site Sampling Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
 Kincaid- 4Q 2023

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-5	11/27/2023	12:07	28.57	12.7	54.9	6.62	1,204.4	2.87	33.00	46.7
MW-5	11/27/2023	12:10	28.57	11.2	52.2	6.64	1,211.2	2.36	28.41	37.8
MW-5	11/27/2023	12:13	28.57	10.6	51.1	6.63	1,207.3	1.91	24.29	37.2
MW-5	11/27/2023	12:16	28.57	10.4	50.7	6.63	1,204.0	1.54	20.87	39.3
MW-5	11/27/2023	12:19	28.57	10.4	50.7	6.62	1,207.4	1.30	17.71	37.9
MW-5	11/27/2023	12:22	28.57	10.6	51.1	6.62	1,212.3	1.17	14.90	31.5
MW-5	11/27/2023	12:25	28.57	10.9	51.6	6.62	1,216.2	1.08	12.97	26.0
MW-5	11/27/2023	12:28	28.57	11.1	52.0	6.62	1,222.6	1.01	11.40	22.7
MW-5	11/27/2023	12:31	28.57	10.9	51.6	6.62	1,225.0	0.95	10.28	20.8

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-6	11/28/2023	13:27	12.05	14.6	58.3	6.41	919.2	3.27	35.81	69.0
MW-6	11/28/2023	13:30	12.05	14.6	58.3	6.42	914.0	3.33	26.54	71.1
MW-6	11/28/2023	13:33	12.05	14.5	58.1	6.41	919.3	3.29	17.38	73.0
MW-6	11/28/2023	13:36	12.05	14.6	58.3	6.40	922.6	3.19	14.52	74.5



Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-7	11/27/2023	13:26	9.44	13.7	56.7	6.74	1,315.6	1.59	15.82	16.5
MW-7	11/27/2023	13:29	9.44	13.7	56.7	6.74	1,307.7	1.33	14.35	19.9
MW-7	11/27/2023	13:32	9.44	13.7	56.7	6.75	1,301.1	1.27	12.42	23.4
MW-7	11/27/2023	13:35	9.44	13.7	56.7	6.75	1,292.9	1.32	11.19	26.8

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-7S	11/27/2023	12:45	T.O.P.	14.8	58.6	6.66	1,603.5	1.29	10.85	-42.3
MW-7S	11/27/2023	12:48	T.O.P.	14.8	58.6	6.67	1,605.8	1.07	6.82	-48.9
MW-7S	11/27/2023	12:51	T.O.P.	14.8	58.6	6.67	1,605.9	0.94	5.47	-53.2
MW-7S	11/27/2023	12:54	T.O.P.	14.8	58.6	6.68	1,605.3	0.86	4.52	-56.0

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-8	11/28/2023	10:29	9.52	14.3	57.7	6.39	1,179.0	1.04	1.67	114.4
MW-8	11/28/2023	10:32	9.52	14.0	57.2	6.41	1,173.0	0.98	1.74	112.1
MW-8	11/28/2023	10:35	9.52	14.1	57.4	6.41	1,168.6	0.94	1.60	110.2

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters

Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-8S	11/27/2023	14:17	T.O.P.							

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu\text{S}/\text{cm}$ )	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-4A	11/29/2023	10:15	7.97	13.8	56.8	6.72	1,383.7	5.01	51.83	124.5
PZ-4A	11/29/2023	10:18	7.97	14.1	57.4	6.73	1,385.2	4.68	35.49	121.2
PZ-4A	11/29/2023	10:21	7.97	14.1	57.4	6.75	1,385.7	4.56	26.81	120.6
PZ-4A	11/29/2023	10:24	7.97	14.0	57.2	6.77	1,384.7	4.56	21.52	120.0
PZ-4A	11/29/2023	10:27	7.97	14.1	57.4	6.78	1,383.0	4.63	19.60	120.0
PZ-4A	11/29/2023	10:30	7.97	14.8	58.6	6.78	1,384.5	4.62	16.80	120.4

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-4C	11/28/2023	13:49	7.56	13.1	55.6	7.47	868.4	3.53	18.11	-267.0
PZ-4C	11/28/2023	13:52	7.56	13.7	56.7	7.46	867.6	1.95	13.48	-296.0
PZ-4C	11/28/2023	13:55	7.56	13.4	56.1	7.44	867.6	1.42	13.03	-300.8
PZ-4C	11/28/2023	13:58	7.56	13.1	55.6	7.40	871.9	1.16	12.20	-297.9
PZ-4C	11/28/2023	14:01	7.56	13.6	56.5	7.36	876.9	1.00	12.62	-294.6

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	11/27/2023	10:30	14.73	DTW Only						



Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

**Groundwater Sampling Field Form- Groundwater Quality Parameters**  
**Kincaid- 4Q 2023**

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu\text{S}/\text{cm}$ )	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	11/27/2023	9:49	5.52	DTW Only						



Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters

Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	11/29/2023	10:35	No water quality data							

Site Sampling Event: Kincaid 4Q 2023

LIMS Workorder: 23110440

Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters  
Kincaid- 4Q 2023

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 4, 2023  
KINCAID POWER PLANT, ASH POND  
KIN-845-141

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ( $\mu$ S/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-8 Duplicate	11/28/2023	10:29	9.52	14.3	57.7	6.39	1,179.0	1.04	1.67	114.4
MW-8 Duplicate	11/28/2023	10:32	9.52	14.0	57.2	6.41	1,173.0	0.98	1.74	112.1
MW-8 Duplicate	11/28/2023	10:35	9.52	14.1	57.4	6.41	1,168.6	0.94	1.60	110.2

Site Sampling Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

Field Calibration Log(s)  
 Kincaid- 4Q 2023

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

Field Temp SOP 1156 - SM 2550 B  
 Field pH SOP 1152 - SW-846 9040B - SM 4500-H B  
 Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: 29218  
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.02	11/27/23 11:02
7.0 Buffer	wc230616f	7.00	11/27/23 11:07
10.0 Buffer	wc231027d	9.99	11/27/23 11:12
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1413	11/27/23 11:17

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/27/23 11:21	18.7	7.01	1417	
ccv	11/27/23 14:20	17.8	7.02	1426	

Field Meter ID: 29218  
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.00	11/28/23 9:05
7.0 Buffer	wc230616f	7.01	11/28/23 9:10
10.0 Buffer	wc231027d	10.00	11/28/23 9:15
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1421	11/28/23 9:21

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/28/23 9:26	15.8	7.01	1434	
ccv	11/28/23 14:15	17.2	7.04	1471	

Field Meter ID: 29218  
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.03	11/29/23 9:50
7.0 Buffer	wc230616f	7.02	11/29/23 9:55
10.0 Buffer	wc231027d	10.03	11/29/23 10:00
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1439	11/29/23 10:06

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/29/23 10:09	16.7	7.04	1441	
ccv	11/29/23 10:38	17.2	7.04	1482	



Site Sampling Event: Kincaid 4Q 2023  
 LIMS Workorder: 23110440  
 Technician(s): DC, JC, TC, BG

Field Calibration Log(s)  
 Kincaid- 4Q 2023

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 4, 2023  
 KINCAID POWER PLANT, ASH POND  
 KIN-845-141

Field Temp SOP 1156 - SM 2550 B  
 Field pH SOP 1152 - SW-846 9040B - SM 4500-H B  
 Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: 51290  
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	11/27/23 10:14
7.0 Buffer	WC230616F	7.04	11/27/23 10:18
10.0 Buffer	WC231027D	10.00	11/27/23 10:26
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/27/23 10:31

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/27/23 10:34	13.5	7.10	1415	
ccv	11/27/23 16:00	18.5	7.05	1428	

Field Meter ID: 51290  
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	11/28/23 9:48
7.0 Buffer	WC230616F	7.05	11/28/23 9:56
10.0 Buffer	WC231027D	10.00	11/28/23 10:02
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/28/23 10:03

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/28/23 10:04	5.5	7.05	1415	
ccv	11/28/23 16:34	14.7	7.08	1455	

Field Meter ID: \_\_\_\_\_  
 Technician: \_\_\_\_\_

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS					
ccv					



**ATTACHMENT C  
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND  
QUARTER 4, 2023**

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-3	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	26	97	CI around median	0.001	0.001
MW-3	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.00480
MW-3	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	26	0	CI around median	0.0461	0.150
MW-3	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.001
MW-3	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	26	0	CI around median	1.57	0.296
MW-3	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.001
MW-3	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	26	0	CB around linear reg	27.3	18.0
MW-3	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	26	97	CB around T-S line	0.0015	0.00950
MW-3	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	26	90	CI around median	0.001	0.00390
MW-3	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	26	0	CI around mean	0.243	0.510
MW-3	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.00510
MW-3	UA	E003	Lithium, total	mg/L	02/25/21 - 11/28/23	12	92	CI around median	0.003	0.0120
MW-3	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.0002	0.0002
MW-3	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.0015	0.00620
MW-3	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	26	0	CB around linear reg	6.4/6.8	5.6/7.6
MW-3	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/06/17 - 11/28/23	22	0	CI around median	0.271	1.00
MW-3	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	26	100	All ND - Last	0.001	0.00180
MW-3	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	26	0	CB around linear reg	113	151
MW-3	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	26	97	CB around T-S line	0.002	0.002
MW-3	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	26	0	CB around linear reg	539	494
MW-5	UA	E003	Antimony, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.001
MW-5	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/27/23	30	89	CB around T-S line	0.001	0.00480
MW-5	UA	E003	Barium, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.143	0.150
MW-5	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.001
MW-5	UA	E003	Boron, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.53	0.296
MW-5	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.001	0.001
MW-5	UA	E003	Chloride, total	mg/L	12/15/15 - 11/27/23	30	0	CB around linear reg	44.7	18.0

**ATTACHMENT C.**  
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-5	UA	E003	Chromium, total	mg/L	12/15/15 - 11/27/23	30	97	CB around T-S line	0.0015	0.00950
MW-5	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/27/23	30	91	CI around median	0.001	0.00390
MW-5	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/27/23	30	3	CB around T-S line	0.16	0.510
MW-5	UA	E003	Lead, total	mg/L	12/15/15 - 11/27/23	30	97	CI around median	0.001	0.00510
MW-5	UA	E003	Lithium, total	mg/L	12/15/15 - 11/27/23	22	36	CI around median	0.0029	0.0120
MW-5	UA	E003	Mercury, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.0002	0.0002
MW-5	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/27/23	22	100	All ND - Last	0.0015	0.00620
MW-5	UA	E003	pH (field)	SU	12/15/15 - 11/27/23	30	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-5	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/27/23	31	0	CI around median	0.3	1.00
MW-5	UA	E003	Selenium, total	mg/L	12/15/15 - 11/27/23	30	100	All ND - Last	0.001	0.00180
MW-5	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/27/23	30	34	CI around median	10	151
MW-5	UA	E003	Thallium, total	mg/L	12/15/15 - 11/27/23	27	97	CB around T-S line	0.00184	0.002
MW-5	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/27/23	30	0	CB around linear reg	688	494
MW-6	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.001
MW-6	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00480
MW-6	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CB around T-S line	0.036	0.150
MW-6	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.001
MW-6	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	0.97	0.296
MW-6	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.001
MW-6	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	51	CB around T-S line	2.41	18.0
MW-6	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	89	CB around T-S line	0.0015	0.00950
MW-6	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00390
MW-6	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	0.194	0.510
MW-6	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00510
MW-6	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	86	CB around T-S line	0.00212	0.0120
MW-6	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.0002
MW-6	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	100	All ND - Last	0.0015	0.00620

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-6	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CI around mean	6.5/6.6	5.6/7.6
MW-6	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around median	0.37	1.00
MW-6	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	94	CI around median	0.001	0.00180
MW-6	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CI around geomean	137	151
MW-6	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002
MW-6	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	492	494
MW-7	UA	E003	Antimony, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.001
MW-7	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/27/23	30	74	CI around median	0.001	0.00480
MW-7	UA	E003	Barium, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.0472	0.150
MW-7	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/27/23	28	100	All ND - Last	0.001	0.001
MW-7	UA	E003	Boron, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.221	0.296
MW-7	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.001	0.001
MW-7	UA	E003	Chloride, total	mg/L	12/15/15 - 11/27/23	30	74	CB around T-S line	2.51	18.0
MW-7	UA	E003	Chromium, total	mg/L	12/15/15 - 11/27/23	30	94	CB around T-S line	0.0015	0.00950
MW-7	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/27/23	30	86	CI around median	0.001	0.00390
MW-7	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	0.254	0.510
MW-7	UA	E003	Lead, total	mg/L	12/15/15 - 11/27/23	30	100	All ND - Last	0.001	0.00510
MW-7	UA	E003	Lithium, total	mg/L	12/15/15 - 11/27/23	22	36	CI around median	0.003	0.0120
MW-7	UA	E003	Mercury, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.0002	0.0002
MW-7	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/27/23	22	4	CI around mean	0.0026	0.00620
MW-7	UA	E003	pH (field)	SU	12/15/15 - 11/27/23	30	0	CB around linear reg	6.7/7.0	5.6/7.6
MW-7	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/27/23	31	0	CI around geomean	0.463	1.00
MW-7	UA	E003	Selenium, total	mg/L	12/15/15 - 11/27/23	30	100	All ND - Last	0.001	0.00180
MW-7	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/27/23	30	0	CI around geomean	174	151
MW-7	UA	E003	Thallium, total	mg/L	12/15/15 - 11/27/23	27	100	All ND - Last	0.002	0.002
MW-7	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/27/23	30	0	CI around mean	569	494
MW-7S	USCU	E003	Antimony, total	mg/L	02/24/21 - 11/27/23	10	90	CI around median	0.001	0.001



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MW-7S	USCU	E003	Arsenic, total	mg/L	02/24/21 - 11/27/23	10	0	CI around geomean	0.0046	0.00480
MW-7S	USCU	E003	Barium, total	mg/L	02/24/21 - 11/27/23	10	0	CI around median	0.0402	0.150
MW-7S	USCU	E003	Beryllium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.001	0.001
MW-7S	USCU	E003	Boron, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	3.73	0.296
MW-7S	USCU	E003	Cadmium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.001	0.001
MW-7S	USCU	E003	Chloride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	9.98	18.0
MW-7S	USCU	E003	Chromium, total	mg/L	02/24/21 - 11/27/23	10	60	CI around median	0.0015	0.00950
MW-7S	USCU	E003	Cobalt, total	mg/L	02/24/21 - 11/27/23	10	10	CI around median	0.0012	0.00390
MW-7S	USCU	E003	Fluoride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	0.302	0.510
MW-7S	USCU	E003	Lead, total	mg/L	02/24/21 - 11/27/23	10	70	CI around median	0.001	0.00510
MW-7S	USCU	E003	Lithium, total	mg/L	02/24/21 - 11/27/23	10	90	CI around median	0.003	0.0120
MW-7S	USCU	E003	Mercury, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.0002	0.0002
MW-7S	USCU	E003	Molybdenum, total	mg/L	02/24/21 - 11/27/23	10	70	CI around median	0.0015	0.00620
MW-7S	USCU	E003	pH (field)	SU	02/24/21 - 11/27/23	10	0	CI around median	6.5/6.8	5.6/7.6
MW-7S	USCU	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/27/23	10	0	CI around mean	0.0731	1.00
MW-7S	USCU	E003	Selenium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.001	0.00180
MW-7S	USCU	E003	Sulfate, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	408	151
MW-7S	USCU	E003	Thallium, total	mg/L	02/24/21 - 11/27/23	10	100	All ND - Last	0.002	0.002
MW-7S	USCU	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/27/23	9	0	CI around median	1,010	494
MW-8	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.001
MW-8	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00480
MW-8	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	0.0204	0.150
MW-8	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.001
MW-8	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around median	0.954	0.296
MW-8	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.001
MW-8	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	14.9	18.0
MW-8	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.0015	0.00950

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MW-8	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	29	CB around linear reg	0.000869	0.00390
MW-8	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around T-S line	0.22	0.510
MW-8	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00510
MW-8	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	50	CB around linear reg	0.00294	0.0120
MW-8	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.0002
MW-8	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	100	All ND - Last	0.0015	0.00620
MW-8	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CB around linear reg	6.4/6.6	5.6/7.6
MW-8	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around median	0.21	1.00
MW-8	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00180
MW-8	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	214	151
MW-8	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002
MW-8	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	766	494
MW-11	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	96	CI around median	0.001	0.001
MW-11	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	20	CI around median	0.0012	0.00480
MW-11	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	0.129	0.150
MW-11	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.001
MW-11	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	1.56	0.296
MW-11	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.001
MW-11	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	29.6	18.0
MW-11	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	97	CB around T-S line	0.0015	0.00950
MW-11	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	93	CI around median	0.001	0.00390
MW-11	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	0.495	0.510
MW-11	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00510
MW-11	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	46	CB around linear reg	0.00281	0.0120
MW-11	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.0002
MW-11	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	4	CI around median	0.0021	0.00620
MW-11	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CB around linear reg	6.5/6.8	5.6/7.6

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MW-11	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around mean	0.549	1.00
MW-11	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	63	CI around median	0.001	0.00180
MW-11	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	108	151
MW-11	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002
MW-11	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	588	494
MW-12	UA	E003	Antimony, total	mg/L	12/15/15 - 11/28/23	28	96	CI around median	0.001	0.001
MW-12	UA	E003	Arsenic, total	mg/L	12/15/15 - 11/28/23	30	93	CI around median	0.001	0.00480
MW-12	UA	E003	Barium, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	0.0569	0.150
MW-12	UA	E003	Beryllium, total	mg/L	12/15/15 - 11/28/23	28	100	All ND - Last	0.001	0.001
MW-12	UA	E003	Boron, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	2.68	0.296
MW-12	UA	E003	Cadmium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.001	0.001
MW-12	UA	E003	Chloride, total	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	19.5	18.0
MW-12	UA	E003	Chromium, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.0015	0.00950
MW-12	UA	E003	Cobalt, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00390
MW-12	UA	E003	Fluoride, total	mg/L	12/15/15 - 11/28/23	30	0	CI around median	0.18	0.510
MW-12	UA	E003	Lead, total	mg/L	12/15/15 - 11/28/23	30	100	All ND - Last	0.001	0.00510
MW-12	UA	E003	Lithium, total	mg/L	12/15/15 - 11/28/23	22	0	CI around mean	0.00842	0.0120
MW-12	UA	E003	Mercury, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.0002	0.0002
MW-12	UA	E003	Molybdenum, total	mg/L	12/15/15 - 11/28/23	22	86	CB around T-S line	0.00121	0.00620
MW-12	UA	E003	pH (field)	SU	12/15/15 - 11/28/23	30	0	CB around linear reg	6.4/6.7	5.6/7.6
MW-12	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 11/28/23	31	0	CI around median	0.447	1.00
MW-12	UA	E003	Selenium, total	mg/L	12/15/15 - 11/28/23	30	97	CI around median	0.001	0.00180
MW-12	UA	E003	Sulfate, total	mg/L	12/15/15 - 11/28/23	30	0	CI around mean	363	151
MW-12	UA	E003	Thallium, total	mg/L	12/15/15 - 11/28/23	27	100	All ND - Last	0.002	0.002
MW-12	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 11/28/23	30	0	CB around linear reg	1,000	494
MW-20	UA	E003	Antimony, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.001	0.001
MW-20	UA	E003	Arsenic, total	mg/L	02/26/21 - 11/28/23	12	42	CI around median	0.001	0.00480

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MW-20	UA	E003	Barium, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.103	0.150
MW-20	UA	E003	Beryllium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-20	UA	E003	Boron, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	0.53	0.296
MW-20	UA	E003	Cadmium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-20	UA	E003	Chloride, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	18.6	18.0
MW-20	UA	E003	Chromium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0015	0.00950
MW-20	UA	E003	Cobalt, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.001	0.00390
MW-20	UA	E003	Fluoride, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	0.329	0.510
MW-20	UA	E003	Lead, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00510
MW-20	UA	E003	Lithium, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	-0.0037	0.0120
MW-20	UA	E003	Mercury, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0002	0.0002
MW-20	UA	E003	Molybdenum, total	mg/L	02/26/21 - 11/28/23	12	8	CB around linear reg	-0.00062	0.00620
MW-20	UA	E003	pH (field)	SU	02/26/21 - 11/28/23	12	0	CI around mean	6.8/7.1	5.6/7.6
MW-20	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/28/23	12	0	CI around mean	0.227	1.00
MW-20	UA	E003	Selenium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00180
MW-20	UA	E003	Sulfate, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	139	151
MW-20	UA	E003	Thallium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.002	0.002
MW-20	UA	E003	Total Dissolved Solids	mg/L	02/26/21 - 11/28/23	11	0	CB around linear reg	629	494
MW-20S	USCU	E003	Antimony, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.001	0.001
MW-20S	USCU	E003	Arsenic, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00480
MW-20S	USCU	E003	Barium, total	mg/L	02/26/21 - 11/28/23	12	8	CI around median	0.0346	0.150
MW-20S	USCU	E003	Beryllium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-20S	USCU	E003	Boron, total	mg/L	02/26/21 - 11/28/23	12	0	CB around T-S line	1.6	0.296
MW-20S	USCU	E003	Cadmium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-20S	USCU	E003	Chloride, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	17.3	18.0
MW-20S	USCU	E003	Chromium, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.0015	0.00950
MW-20S	USCU	E003	Cobalt, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00390

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-20S	USCU	E003	Fluoride, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.179	0.510
MW-20S	USCU	E003	Lead, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00510
MW-20S	USCU	E003	Lithium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.003	0.0120
MW-20S	USCU	E003	Mercury, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0002	0.0002
MW-20S	USCU	E003	Molybdenum, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0015	0.00620
MW-20S	USCU	E003	pH (field)	SU	02/26/21 - 11/28/23	12	0	CI around mean	6.5/6.8	5.6/7.6
MW-20S	USCU	E003	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/28/23	12	0	CI around mean	0.128	1.00
MW-20S	USCU	E003	Selenium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00180
MW-20S	USCU	E003	Sulfate, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	313	151
MW-20S	USCU	E003	Thallium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.002	0.002
MW-20S	USCU	E003	Total Dissolved Solids	mg/L	02/26/21 - 11/28/23	11	0	CB around linear reg	905	494
MW-23	UA	E003	Antimony, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-23	UA	E003	Arsenic, total	mg/L	02/26/21 - 11/28/23	12	50	CI around median	0.001	0.00480
MW-23	UA	E003	Barium, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.0825	0.150
MW-23	UA	E003	Beryllium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-23	UA	E003	Boron, total	mg/L	02/26/21 - 11/28/23	12	0	CI around median	1.91	0.296
MW-23	UA	E003	Cadmium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-23	UA	E003	Chloride, total	mg/L	02/26/21 - 11/28/23	12	0	CB around linear reg	24	18.0
MW-23	UA	E003	Chromium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0015	0.00950
MW-23	UA	E003	Cobalt, total	mg/L	02/26/21 - 11/28/23	12	33	CI around median	0.001	0.00390
MW-23	UA	E003	Fluoride, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	0.345	0.510
MW-23	UA	E003	Lead, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00510
MW-23	UA	E003	Lithium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.003	0.0120
MW-23	UA	E003	Mercury, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.0002	0.0002
MW-23	UA	E003	Molybdenum, total	mg/L	02/26/21 - 11/28/23	12	92	CI around median	0.0015	0.00620
MW-23	UA	E003	pH (field)	SU	02/26/21 - 11/28/23	12	0	CI around mean	6.5/6.8	5.6/7.6
MW-23	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/26/21 - 11/28/23	12	0	CI around mean	0.236	1.00

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-23	UA	E003	Selenium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.001	0.00180
MW-23	UA	E003	Sulfate, total	mg/L	02/26/21 - 11/28/23	12	0	CI around mean	40.8	151
MW-23	UA	E003	Thallium, total	mg/L	02/26/21 - 11/28/23	12	100	All ND - Last	0.002	0.002
MW-23	UA	E003	Total Dissolved Solids	mg/L	02/26/21 - 11/28/23	11	0	CI around mean	581	494
MW-28	UA	E003	Antimony, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-28	UA	E003	Arsenic, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.00480
MW-28	UA	E003	Barium, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	0.0221	0.150
MW-28	UA	E003	Beryllium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-28	UA	E003	Boron, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	8.62	0.296
MW-28	UA	E003	Cadmium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-28	UA	E003	Chloride, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	12.6	18.0
MW-28	UA	E003	Chromium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.0015	0.00950
MW-28	UA	E003	Cobalt, total	mg/L	02/24/21 - 11/28/23	12	83	CI around median	0.001	0.00390
MW-28	UA	E003	Fluoride, total	mg/L	02/24/21 - 11/28/23	12	0	CI around median	0.12	0.510
MW-28	UA	E003	Lead, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.00510
MW-28	UA	E003	Lithium, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	0.00601	0.0120
MW-28	UA	E003	Mercury, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.0002	0.0002
MW-28	UA	E003	Molybdenum, total	mg/L	02/24/21 - 11/28/23	12	92	CI around median	0.0015	0.00620
MW-28	UA	E003	pH (field)	SU	02/24/21 - 11/28/23	12	0	CI around mean	6.5/6.8	5.6/7.6
MW-28	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/28/23	12	0	CB around linear reg	0.305	1.00
MW-28	UA	E003	Selenium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.001	0.00180
MW-28	UA	E003	Sulfate, total	mg/L	02/24/21 - 11/28/23	12	0	CI around mean	824	151
MW-28	UA	E003	Thallium, total	mg/L	02/24/21 - 11/28/23	12	100	All ND - Last	0.002	0.002
MW-28	UA	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/28/23	11	0	CI around mean	1,640	494
MW-30	UA	E003	Antimony, total	mg/L	02/25/21 - 11/28/23	12	92	Most recent sample	0.001	0.001
MW-30	UA	E003	Arsenic, total	mg/L	02/25/21 - 11/28/23	12	8	CB around linear reg	0.00221	0.00480
MW-30	UA	E003	Barium, total	mg/L	02/25/21 - 11/28/23	12	0	CI around mean	0.152	0.150



**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-30	UA	E003	Beryllium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-30	UA	E003	Boron, total	mg/L	02/25/21 - 11/28/23	12	0	CI around geomean	1.09	0.296
MW-30	UA	E003	Cadmium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.001
MW-30	UA	E003	Chloride, total	mg/L	02/25/21 - 11/28/23	12	0	CB around linear reg	38.7	18.0
MW-30	UA	E003	Chromium, total	mg/L	02/25/21 - 11/28/23	12	75	CI around median	0.0015	0.00950
MW-30	UA	E003	Cobalt, total	mg/L	02/25/21 - 11/28/23	12	0	CI around mean	0.00204	0.00390
MW-30	UA	E003	Fluoride, total	mg/L	02/25/21 - 11/28/23	12	0	CB around linear reg	0.294	0.510
MW-30	UA	E003	Lead, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.00510
MW-30	UA	E003	Lithium, total	mg/L	02/25/21 - 11/28/23	12	83	CB around T-S line	-0.00798	0.0120
MW-30	UA	E003	Mercury, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.0002	0.0002
MW-30	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/28/23	12	33	CI around median	0.0015	0.00620
MW-30	UA	E003	pH (field)	SU	02/25/21 - 11/28/23	12	0	CI around mean	6.4/6.6	5.6/7.6
MW-30	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/28/23	12	0	CI around geomean	0.564	1.00
MW-30	UA	E003	Selenium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.001	0.00180
MW-30	UA	E003	Sulfate, total	mg/L	02/25/21 - 11/28/23	12	33	CB around linear reg	-33.5	151
MW-30	UA	E003	Thallium, total	mg/L	02/25/21 - 11/28/23	12	100	All ND - Last	0.002	0.002
MW-30	UA	E003	Total Dissolved Solids	mg/L	02/25/21 - 11/28/23	11	0	CI around median	612	494
MW-31	UA	E003	Antimony, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.001
MW-31	UA	E003	Arsenic, total	mg/L	02/24/21 - 11/27/23	12	8	CI around mean	0.00238	0.00480
MW-31	UA	E003	Barium, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.219	0.150
MW-31	UA	E003	Beryllium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.001
MW-31	UA	E003	Boron, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.236	0.296
MW-31	UA	E003	Cadmium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.001
MW-31	UA	E003	Chloride, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	46	18.0
MW-31	UA	E003	Chromium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.0015	0.00950
MW-31	UA	E003	Cobalt, total	mg/L	02/24/21 - 11/27/23	12	83	CI around median	0.001	0.00390
MW-31	UA	E003	Fluoride, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.167	0.510

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-31	UA	E003	Lead, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.00510
MW-31	UA	E003	Lithium, total	mg/L	02/24/21 - 11/27/23	12	0	CI around mean	0.00471	0.0120
MW-31	UA	E003	Mercury, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.0002	0.0002
MW-31	UA	E003	Molybdenum, total	mg/L	02/24/21 - 11/27/23	12	50	CI around median	0.0015	0.00620
MW-31	UA	E003	pH (field)	SU	02/24/21 - 11/27/23	12	0	CI around mean	6.5/6.7	5.6/7.6
MW-31	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/27/23	12	0	CI around mean	0.554	1.00
MW-31	UA	E003	Selenium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.001	0.00180
MW-31	UA	E003	Sulfate, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	10	151
MW-31	UA	E003	Thallium, total	mg/L	02/24/21 - 11/27/23	12	100	All ND - Last	0.002	0.002
MW-31	UA	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	572	494
MW-31S	USCU	E003	Antimony, total	mg/L	02/24/21 - 11/27/23	11	82	CI around median	0.001	0.001
MW-31S	USCU	E003	Arsenic, total	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	0.00544	0.00480
MW-31S	USCU	E003	Barium, total	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	0.19	0.150
MW-31S	USCU	E003	Beryllium, total	mg/L	02/24/21 - 11/27/23	11	91	CI around median	0.001	0.001
MW-31S	USCU	E003	Boron, total	mg/L	02/24/21 - 11/27/23	11	0	CI around mean	0.0432	0.296
MW-31S	USCU	E003	Cadmium, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.001	0.001
MW-31S	USCU	E003	Chloride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	14.6	18.0
MW-31S	USCU	E003	Chromium, total	mg/L	02/24/21 - 11/27/23	11	46	CI around geomean	0.00168	0.00950
MW-31S	USCU	E003	Cobalt, total	mg/L	02/24/21 - 11/27/23	11	0	CI around geomean	0.00295	0.00390
MW-31S	USCU	E003	Fluoride, total	mg/L	02/24/21 - 11/27/23	10	0	CI around mean	0.214	0.510
MW-31S	USCU	E003	Lead, total	mg/L	02/24/21 - 11/27/23	11	27	CI around geomean	0.000887	0.00510
MW-31S	USCU	E003	Lithium, total	mg/L	02/24/21 - 11/27/23	11	54	CI around median	0.003	0.0120
MW-31S	USCU	E003	Mercury, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.0002	0.0002
MW-31S	USCU	E003	Molybdenum, total	mg/L	02/24/21 - 11/27/23	11	27	CI around mean	0.00221	0.00620
MW-31S	USCU	E003	pH (field)	SU	02/24/21 - 11/27/23	12	0	CI around mean	6.5/6.7	5.6/7.6
MW-31S	USCU	E003	Radium 226 + Radium 228, total	pCi/L	02/24/21 - 11/27/23	10	0	CI around mean	0.884	1.00
MW-31S	USCU	E003	Selenium, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.001	0.00180



**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-31S	USCU	E003	Sulfate, total	mg/L	02/24/21 - 11/27/23	10	10	CB around linear reg	-139	151
MW-31S	USCU	E003	Thallium, total	mg/L	02/24/21 - 11/27/23	11	100	All ND - Last	0.002	0.002
MW-31S	USCU	E003	Total Dissolved Solids	mg/L	02/24/21 - 11/27/23	9	0	CB around linear reg	491	494
MW-32	UA	E003	Antimony, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.001
MW-32	UA	E003	Arsenic, total	mg/L	02/25/21 - 11/27/23	12	92	CI around median	0.001	0.00480
MW-32	UA	E003	Barium, total	mg/L	02/25/21 - 11/27/23	12	0	CB around linear reg	0.03	0.150
MW-32	UA	E003	Beryllium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.001
MW-32	UA	E003	Boron, total	mg/L	02/25/21 - 11/27/23	12	0	CI around mean	1.53	0.296
MW-32	UA	E003	Cadmium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.001
MW-32	UA	E003	Chloride, total	mg/L	02/25/21 - 11/27/23	12	0	CB around linear reg	9.61	18.0
MW-32	UA	E003	Chromium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.0015	0.00950
MW-32	UA	E003	Cobalt, total	mg/L	02/25/21 - 11/27/23	12	75	CI around median	0.001	0.00390
MW-32	UA	E003	Fluoride, total	mg/L	02/25/21 - 11/27/23	12	0	CI around mean	0.171	0.510
MW-32	UA	E003	Lead, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.00510
MW-32	UA	E003	Lithium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.003	0.0120
MW-32	UA	E003	Mercury, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.0002	0.0002
MW-32	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.0015	0.00620
MW-32	UA	E003	pH (field)	SU	02/25/21 - 11/27/23	12	0	CI around mean	6.3/6.5	5.6/7.6
MW-32	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/27/23	12	0	CI around mean	0.0996	1.00
MW-32	UA	E003	Selenium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.001	0.00180
MW-32	UA	E003	Sulfate, total	mg/L	02/25/21 - 11/27/23	12	0	CI around mean	397	151
MW-32	UA	E003	Thallium, total	mg/L	02/25/21 - 11/27/23	12	100	All ND - Last	0.002	0.002
MW-32	UA	E003	Total Dissolved Solids	mg/L	02/25/21 - 11/27/23	11	0	CB around linear reg	1,020	494
PZ-4C	UA	E003	Antimony, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.001	0.001
PZ-4C	UA	E003	Arsenic, total	mg/L	02/25/21 - 11/28/23	11	46	CB around T-S line	0.001	0.00480
PZ-4C	UA	E003	Barium, total	mg/L	02/25/21 - 11/28/23	11	0	CI around median	0.25	0.150
PZ-4C	UA	E003	Beryllium, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.001	0.001

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**  
845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-4C	UA	E003	Boron, total	mg/L	02/25/21 - 11/28/23	11	0	CI around mean	1.37	0.296
PZ-4C	UA	E003	Cadmium, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.001	0.001
PZ-4C	UA	E003	Chloride, total	mg/L	02/25/21 - 11/28/23	11	0	CB around linear reg	30.6	18.0
PZ-4C	UA	E003	Chromium, total	mg/L	02/25/21 - 11/28/23	11	46	CI around median	0.0015	0.00950
PZ-4C	UA	E003	Cobalt, total	mg/L	02/25/21 - 11/28/23	11	73	CI around median	0.001	0.00390
PZ-4C	UA	E003	Fluoride, total	mg/L	02/25/21 - 11/28/23	11	0	CI around mean	0.39	0.510
PZ-4C	UA	E003	Lead, total	mg/L	02/25/21 - 11/28/23	11	54	CI around median	0.001	0.00510
PZ-4C	UA	E003	Lithium, total	mg/L	02/25/21 - 11/28/23	11	0	CI around median	0.0067	0.0120
PZ-4C	UA	E003	Mercury, total	mg/L	02/25/21 - 11/28/23	11	91	CI around median	0.0002	0.0002
PZ-4C	UA	E003	Molybdenum, total	mg/L	02/25/21 - 11/28/23	11	82	CI around median	0.0015	0.00620
PZ-4C	UA	E003	pH (field)	SU	02/25/21 - 11/28/23	11	0	CI around mean	6.6/7.1	5.6/7.6
PZ-4C	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/25/21 - 11/28/23	11	0	CI around geomean	0.465	1.00
PZ-4C	UA	E003	Selenium, total	mg/L	02/25/21 - 11/28/23	11	100	All ND - Last	0.001	0.00180
PZ-4C	UA	E003	Sulfate, total	mg/L	02/25/21 - 11/28/23	11	0	CI around mean	59.1	151
PZ-4C	UA	E003	Thallium, total	mg/L	02/25/21 - 11/28/23	11	100	All ND - Last	0.002	0.002
PZ-4C	UA	E003	Total Dissolved Solids	mg/L	02/25/21 - 11/28/23	10	0	CI around mean	535	494

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023**

845 QUARTERLY REPORT  
KINCAID POWER PLANT  
ASH POND  
KINCAID, IL

**Notes:**

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

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

USCU = Upper Semi-Confining Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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