



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

August 18, 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 2, 2024 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 13, 2023 and submitted to IEPA on May 12, 2024 in accordance with 35 I.A.C. § 845.660. The CMA addressed GWPS exceedances of boron, sulfate, and total dissolved solids at select monitoring wells. 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 the 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 2, 2024, Ash Pond, Kincaid Power Plant, Kincaid, Illinois

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 2, 2024
ASH POND, KINCAID POWER PLANT, KINCAID, ILLINOIS

August 18, 2024

Samples were collected on May 20 and May 21, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on June 19, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2024 sampling event. **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 2, 2024 sampling event. Monitoring well MW-8S was purged dry; therefore, a groundwater sample was not collected for this sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 2, 2024 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 Assessment² (CMA) was initiated on December 14, 2023 and submitted to Illinois Environmental Protection Agency (IEPA) on May 12, 2024 in accordance with 35 I.A.C. § 845.660. The CMA addressed GWPS exceedances of boron, sulfate, and total dissolved solids at select monitoring wells. 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.

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 2, 2024
Table 2	Comparison of Statistical Results to GWPS - Quarter 2, 2024

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

² Ramboll, 2024. *35 I.A.C. § 845 Corrective Measures Assessment. Kincaid Power Plant, Ash Pond, IEPA ID: W0218140002-01. May 12, 2024.*

FIGURES

Figure 1 Monitoring Well Location Map

ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 2, 2024

Attachment B Laboratory Reports and Field Data Sheets - Quarter 2, 2024

Attachment C Comparison of Statistical Results to Background - Quarter 2, 2024

TABLES

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

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

TABLE 1.
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KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

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

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845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

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KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Notes:
– = no data available
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased 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 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

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

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
KINCAID POWER PLANT
ASH POND
KINCAID, IL

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

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

FIGURES



- 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 2, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2024
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	05/20/2024	15.48	589.40
MW-2	Background	05/20/2024	7.31	593.96
MW-3	Compliance	05/20/2024	8.74	592.89
MW-5	Compliance	05/20/2024	26.46	593.15
MW-6	Compliance	05/20/2024	9.03	591.60
MW-7	Compliance	05/20/2024	9.59	588.33
MW-7S	Compliance	05/20/2024	10.48	587.33
MW-8	Compliance	05/20/2024	9.57	593.74
MW-8S	Compliance	05/20/2024	9.76	593.71
MW-11	Compliance	05/20/2024	11.89	590.09
MW-12	Compliance	05/20/2024	6.52	585.05
MW-20	Compliance	05/20/2024	6.24	594.70
MW-20S	Compliance	05/20/2024	6.16	594.65
MW-23	Compliance	05/20/2024	16.58	593.91
MW-27	Compliance	05/20/2024	13.11	587.11
MW-28	Compliance	05/20/2024	6.73	594.84
MW-30	Compliance	05/20/2024	24.52	594.12
MW-31	Compliance	05/20/2024	30.50	587.01
MW-31S	Compliance	05/20/2024	23.12	594.59
MW-32	Compliance	05/20/2024	23.19	596.47
PZ-4C	Compliance	05/20/2024	6.92	593.82
XSG-01	Water Level	05/20/2024	5.21	603.39
SG-02	Water Level	05/20/2024	20.37	544.43

Notes:
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 2, 2024**

June 06, 2024

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



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: KIN-24Q2

WorkOrder: 24050124

Dear Eric Bauer:

TEKLAB, INC received 28 samples on 5/21/2024 2:15:00 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



Report Contents

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

This reporting package includes the following:

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Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	57
Quality Control Results	58
Receiving Check List	84
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-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: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

Cooler Receipt Temp: 8.7 °C

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

MW-08S could not be collected; the well was dry. Equipment Blanks 2 and 3 were not needed.

MW-30 collection time per field file(s). FB/EAH 5/22/24

MW-27 collection time per field file(s). FB/EAH 5/31/24

Date/time of measurement for MW-08S, XSG-01, YSG-02, and YSG-03 depths per field file. EAH 6/6/24

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
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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

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	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		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-001
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-01
Collection Date: 05/20/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		15.48	ft	1	05/20/2024 13:12	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.1	NTU	1	05/20/2024 13:12	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		132	mV	1	05/20/2024 13:12	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		544	µS/cm	1	05/20/2024 13:12	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.4	°C	1	05/20/2024 13:12	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.10	mg/L	1	05/20/2024 13:12	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.48		1	05/20/2024 13:12	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		177	mg/L	1	05/21/2024 13:45	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 13:45	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		895	mg/L	2.5	05/23/2024 9:42	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		91	mg/L	5	05/24/2024 21:13	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.19	mg/L	1	05/21/2024 10:15	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		16	mg/L	1	05/24/2024 21:08	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		58.6	mg/L	1	05/22/2024 19:38	223268
Magnesium	NELAP	0.0055	0.0500		31.4	mg/L	1	05/23/2024 11:35	223268
Potassium	NELAP	0.0400	0.100		1.08	mg/L	1	05/22/2024 19:38	223268
Sodium	NELAP	0.0180	0.0500		15.6	mg/L	1	05/22/2024 19:38	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0013	mg/L	5	05/28/2024 10:41	223268
Arsenic	NELAP	0.0004	0.0010		0.0020	mg/L	5	05/23/2024 11:21	223268
Barium	NELAP	0.0007	0.0010		0.103	mg/L	5	05/24/2024 10:41	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 11:21	223268
Boron	NELAP	0.0092	0.0250		0.272	mg/L	5	05/23/2024 11:21	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	06/04/2024 18:58	223769
Chromium	NELAP	0.0007	0.0015		0.0097	mg/L	5	05/23/2024 11:21	223268
Cobalt	NELAP	0.0001	0.0010		0.0026	mg/L	5	06/04/2024 18:58	223769
Lead	NELAP	0.0006	0.0010		0.0025	mg/L	5	06/04/2024 18:58	223769
Lithium	*	0.0015	0.0030		0.0040	mg/L	5	05/23/2024 11:21	223268
Molybdenum	NELAP	0.0006	0.0015		0.0019	mg/L	5	06/05/2024 9:23	223769
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/04/2024 18:58	223769
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 11:21	223268



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-001
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-01
Collection Date: 05/20/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00006	mg/L	1	05/28/2024 21:36	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-002
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-02
Collection Date: 05/20/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.31	ft	1	05/20/2024 10:02	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		49	NTU	1	05/20/2024 10:02	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		35	mV	1	05/20/2024 10:02	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		485	µS/cm	1	05/20/2024 10:02	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	05/20/2024 10:02	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.28	mg/L	1	05/20/2024 10:02	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		7.21		1	05/20/2024 10:02	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		248	mg/L	1	05/21/2024 13:50	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 13:50	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		504	mg/L	1	05/23/2024 9:42	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		149	mg/L	10	05/24/2024 21:21	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.47	mg/L	1	05/21/2024 10:17	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		17	mg/L	1	05/24/2024 21:16	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		90.0	mg/L	1	05/22/2024 19:42	223268
Magnesium	NELAP	0.0055	0.0500		35.2	mg/L	1	05/23/2024 11:35	223268
Potassium	NELAP	0.0400	0.100		1.45	mg/L	1	05/22/2024 19:42	223268
Sodium	NELAP	0.0180	0.0500		25.6	mg/L	1	05/22/2024 19:42	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 11:27	223268
Arsenic	NELAP	0.0004	0.0010		0.0012	mg/L	5	05/23/2024 11:27	223268
Barium	NELAP	0.0007	0.0010		0.108	mg/L	5	05/24/2024 10:47	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 11:27	223268
Boron	NELAP	0.0092	0.0250		0.0488	mg/L	5	05/23/2024 11:27	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 11:27	223268
Chromium	NELAP	0.0007	0.0015		0.0015	mg/L	5	05/23/2024 11:27	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	05/23/2024 11:27	223268
Lead	NELAP	0.0006	0.0010	J	0.0010	mg/L	5	05/24/2024 10:47	223268
Lithium	*	0.0015	0.0030		0.0050	mg/L	5	05/23/2024 11:27	223268
Molybdenum	NELAP	0.0006	0.0015		0.0045	mg/L	5	05/23/2024 11:27	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 11:27	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 11:27	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-002
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-02
Collection Date: 05/20/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/28/2024 21:43	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-003
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24

Client Sample ID: MW-03

Collection Date: 05/20/2024 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.76	ft	1	05/20/2024 12:15	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.8	NTU	1	05/20/2024 12:15	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		247	mV	1	05/20/2024 12:15	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		595	µS/cm	1	05/20/2024 12:15	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	05/20/2024 12:15	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.35	mg/L	1	05/20/2024 12:15	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.73		1	05/20/2024 12:15	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		352	mg/L	1	05/21/2024 13:55	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 13:55	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		578	mg/L	1	05/23/2024 9:42	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		140	mg/L	10	05/24/2024 21:29	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	05/21/2024 10:19	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		29	mg/L	1	05/24/2024 21:24	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		88.9	mg/L	1	05/22/2024 19:43	223268
Magnesium	NELAP	0.0055	0.0500		50.5	mg/L	1	05/23/2024 11:36	223268
Potassium	NELAP	0.0400	0.100		0.287	mg/L	1	05/22/2024 19:43	223268
Sodium	NELAP	0.0180	0.0500		42.9	mg/L	1	05/22/2024 19:43	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 11:33	223268
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/23/2024 11:33	223268
Barium	NELAP	0.0007	0.0010		0.0419	mg/L	5	05/23/2024 11:33	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 11:33	223268
Boron	NELAP	0.0092	0.0250		1.42	mg/L	5	05/23/2024 11:33	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 11:33	223268
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 11:33	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	05/23/2024 11:33	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	06/04/2024 19:09	223769
Lithium	*	0.0015	0.0030	J	0.0016	mg/L	5	05/23/2024 11:33	223268
Molybdenum	NELAP	0.0006	0.0015	J	0.0006	mg/L	5	05/23/2024 11:33	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 11:33	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 11:33	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-003
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-03
Collection Date: 05/20/2024 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	05/28/2024 21:45	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-004
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-05
Collection Date: 05/20/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		26.45	ft	1	05/20/2024 14:16	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		27	NTU	1	05/20/2024 14:16	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		40	mV	1	05/20/2024 14:16	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		842	µS/cm	1	05/20/2024 14:16	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	05/20/2024 14:16	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.46	mg/L	1	05/20/2024 14:16	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.51		1	05/20/2024 14:16	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		709	mg/L	1	05/21/2024 14:02	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:02	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	785	mg/L	2.5	06/05/2024 13:48	R348379
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	13	mg/L	1	05/24/2024 21:35	R347894
Matrix spike did not recover within control limits. Results verified by reanalysis at dilution.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	05/21/2024 10:21	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		44	mg/L	2	05/24/2024 21:45	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		150	mg/L	1	05/22/2024 19:44	223268
Magnesium	NELAP	0.0055	0.0500		85.6	mg/L	1	05/23/2024 11:37	223268
Potassium	NELAP	0.0400	0.100		1.11	mg/L	1	05/22/2024 19:44	223268
Sodium	NELAP	0.0180	0.0500		25.7	mg/L	1	05/22/2024 19:44	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 11:39	223268
Arsenic	NELAP	0.0004	0.0010		0.0028	mg/L	5	05/23/2024 11:39	223268
Barium	NELAP	0.0007	0.0010		0.195	mg/L	5	05/23/2024 11:39	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 11:39	223268
Boron	NELAP	0.0092	0.0250		0.602	mg/L	5	05/23/2024 11:39	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 11:39	223268
Chromium	NELAP	0.0007	0.0015		0.0029	mg/L	5	05/23/2024 11:39	223268
Cobalt	NELAP	0.0001	0.0010		0.0024	mg/L	5	05/23/2024 11:39	223268
Lead	NELAP	0.0006	0.0010		0.0010	mg/L	5	05/23/2024 11:39	223268
Lithium	*	0.0015	0.0030		0.0045	mg/L	5	05/23/2024 11:39	223268
Molybdenum	NELAP	0.0006	0.0015	J	0.0012	mg/L	5	05/23/2024 11:39	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 11:39	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 11:39	223268



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-004
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-05
Collection Date: 05/20/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00010	mg/L	1	05/28/2024 21:47	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-005
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-06
Collection Date: 05/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.06	ft	1	05/20/2024 12:48	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.7	NTU	1	05/20/2024 12:48	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		69	mV	1	05/20/2024 12:48	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		610	µS/cm	1	05/20/2024 12:48	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.4	°C	1	05/20/2024 12:48	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		6.07	mg/L	1	05/20/2024 12:48	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.44		1	05/20/2024 12:48	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		281	mg/L	1	05/21/2024 14:11	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:11	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		450	mg/L	1	05/23/2024 9:51	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		116	mg/L	10	05/24/2024 22:17	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	05/21/2024 10:23	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	1	mg/L	1	05/24/2024 22:12	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		80.2	mg/L	1	05/22/2024 19:44	223268
Magnesium	NELAP	0.0055	0.0500		36.6	mg/L	1	05/23/2024 11:48	223268
Potassium	NELAP	0.0400	0.100		0.274	mg/L	1	05/22/2024 19:44	223268
Sodium	NELAP	0.0180	0.0500		16.8	mg/L	1	05/22/2024 19:44	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/28/2024 10:45	223268
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/23/2024 12:41	223268
Barium	NELAP	0.0007	0.0010		0.0371	mg/L	5	05/23/2024 12:41	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 12:41	223268
Boron	NELAP	0.0092	0.0250		0.759	mg/L	5	05/23/2024 12:41	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 12:41	223268
Chromium	NELAP	0.0007	0.0015	J	0.0012	mg/L	5	05/23/2024 12:41	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	05/23/2024 12:41	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 12:41	223268
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	05/23/2024 12:41	223268
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 12:41	223268
Selenium	NELAP	0.0006	0.0010		0.0014	mg/L	5	05/23/2024 12:41	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 12:41	223268



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-005
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-06
Collection Date: 05/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	05/28/2024 21:49	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-006
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-07
Collection Date: 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.65	ft	1	05/20/2024 13:40	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.5	NTU	1	05/20/2024 13:40	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-62	mV	1	05/20/2024 13:40	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		760	µS/cm	1	05/20/2024 13:40	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.4	°C	1	05/20/2024 13:40	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.00	mg/L	1	05/20/2024 13:40	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.97		1	05/20/2024 13:40	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		358	mg/L	1	05/21/2024 14:17	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:17	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		625	mg/L	2.5	05/23/2024 9:52	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		156	mg/L	10	05/24/2024 22:25	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	05/21/2024 10:24	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	1	mg/L	1	05/24/2024 22:20	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		112	mg/L	1	05/22/2024 19:45	223268
Magnesium	NELAP	0.0055	0.0500		50.3	mg/L	1	05/23/2024 11:49	223268
Potassium	NELAP	0.0400	0.100		1.20	mg/L	1	05/22/2024 19:45	223268
Sodium	NELAP	0.0180	0.0500		13.7	mg/L	1	05/22/2024 19:45	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/28/2024 10:50	223268
Arsenic	NELAP	0.0004	0.0010		0.0017	mg/L	5	05/23/2024 12:47	223268
Barium	NELAP	0.0007	0.0010		0.0395	mg/L	5	05/23/2024 12:47	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 12:47	223268
Boron	NELAP	0.0092	0.0250		0.286	mg/L	5	05/23/2024 12:47	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 12:47	223268
Chromium	NELAP	0.0007	0.0015	J	0.0012	mg/L	5	05/23/2024 12:47	223268
Cobalt	NELAP	0.0001	0.0010		0.0019	mg/L	5	05/23/2024 12:47	223268
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	05/23/2024 12:47	223268
Lithium	*	0.0015	0.0030	J	0.0022	mg/L	5	05/23/2024 12:47	223268
Molybdenum	NELAP	0.0006	0.0015		0.0023	mg/L	5	05/23/2024 12:47	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 12:47	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 12:47	223268



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-006
Matrix: GROUNDWATER
Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-07
Collection Date: 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/28/2024 22:01	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-007
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-07S
Collection Date: 05/20/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.49	ft	1	05/20/2024 14:31	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.8	NTU	1	05/20/2024 14:31	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-57	mV	1	05/20/2024 14:31	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1340	µS/cm	1	05/20/2024 14:31	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.9	°C	1	05/20/2024 14:31	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.55	mg/L	1	05/20/2024 14:31	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.71		1	05/20/2024 14:31	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		422	mg/L	1	05/21/2024 14:23	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:23	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1140	mg/L	2.5	05/23/2024 9:52	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		486	mg/L	20	05/24/2024 22:33	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	05/21/2024 10:26	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		8	mg/L	1	05/24/2024 22:28	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		168	mg/L	1	05/22/2024 19:46	223268
Magnesium	NELAP	0.0055	0.0500		71.9	mg/L	1	05/23/2024 11:49	223268
Potassium	NELAP	0.0400	0.100		2.45	mg/L	1	05/22/2024 19:46	223268
Sodium	NELAP	0.0180	0.0500		92.6	mg/L	1	05/22/2024 19:46	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010	J	0.0009	mg/L	5	05/23/2024 12:53	223268
Arsenic	NELAP	0.0004	0.0010		0.0089	mg/L	5	06/04/2024 19:21	223769
Barium	NELAP	0.0007	0.0010		0.0471	mg/L	5	05/23/2024 12:53	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 12:53	223268
Boron	NELAP	0.0092	0.0250		5.54	mg/L	5	05/23/2024 12:53	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 12:53	223268
Chromium	NELAP	0.0007	0.0015		0.0041	mg/L	5	05/23/2024 12:53	223268
Cobalt	NELAP	0.0001	0.0010		0.0016	mg/L	5	05/23/2024 12:53	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 12:53	223268
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	05/23/2024 12:53	223268
Molybdenum	NELAP	0.0006	0.0015		0.0018	mg/L	5	05/23/2024 12:53	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 12:53	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 12:53	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-007
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-07S
Collection Date: 05/20/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	05/28/2024 22:03	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-008
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-08
Collection Date: 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.44	ft	1	05/20/2024 13:42	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.6	NTU	1	05/20/2024 13:42	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		92	mV	1	05/20/2024 13:42	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1190	µS/cm	1	05/20/2024 13:42	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	05/20/2024 13:42	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	05/20/2024 13:42	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.60		1	05/20/2024 13:42	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		454	mg/L	1	05/21/2024 14:29	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:29	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		844	mg/L	1	05/24/2024 15:53	R347911
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		217	mg/L	10	05/24/2024 22:41	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	05/21/2024 10:28	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		21	mg/L	1	05/24/2024 22:36	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		141	mg/L	1	05/22/2024 19:47	223268
Magnesium	NELAP	0.0055	0.0500		70.5	mg/L	1	05/23/2024 11:50	223268
Potassium	NELAP	0.0400	0.100		0.564	mg/L	1	05/22/2024 19:47	223268
Sodium	NELAP	0.0180	0.0500		28.8	mg/L	1	05/22/2024 19:47	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010	J	0.0008	mg/L	5	05/23/2024 13:00	223268
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	05/23/2024 13:00	223268
Barium	NELAP	0.0007	0.0010		0.0222	mg/L	5	05/23/2024 13:00	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:00	223268
Boron	NELAP	0.0092	0.0250		0.889	mg/L	5	05/23/2024 13:00	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:00	223268
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 13:00	223268
Cobalt	NELAP	0.0001	0.0010		0.0020	mg/L	5	05/23/2024 13:00	223268
Lead	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	05/23/2024 13:00	223268
Lithium	*	0.0015	0.0030	J	0.0018	mg/L	5	05/23/2024 13:00	223268
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	05/23/2024 13:00	223268
Selenium	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	05/23/2024 13:00	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 13:00	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-008
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-08
Collection Date: 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	05/28/2024 22:05	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-009
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24

Client Sample ID: MW-08S

Collection Date: 05/20/2024 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.76	ft	1	05/20/2024 10:35	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		Well dry	NTU	1	05/20/2024 10:35	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		Well dry	mV	1	05/20/2024 10:35	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		Well dry	µS/cm	1	05/20/2024 10:35	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		Well dry	°C	1	05/20/2024 10:35	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		Well dry	mg/L	1	05/20/2024 10:35	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		Well dry		1	05/20/2024 10:35	R347671



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-010
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-11
Collection Date: 05/20/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.89	ft	1	05/20/2024 11:24	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.7	NTU	1	05/20/2024 11:24	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		172	mV	1	05/20/2024 11:24	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		641	µS/cm	1	05/20/2024 11:24	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.9	°C	1	05/20/2024 11:24	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.83	mg/L	1	05/20/2024 11:24	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.77		1	05/20/2024 11:24	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		422	mg/L	1	05/21/2024 14:35	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:35	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	636	mg/L	1	06/03/2024 16:06	R348256
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		117	mg/L	5	05/24/2024 23:05	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.47	mg/L	1	05/21/2024 10:39	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		34	mg/L	1	05/24/2024 23:00	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		112	mg/L	1	05/22/2024 19:47	223268
Magnesium	NELAP	0.0055	0.0500		53.0	mg/L	1	05/23/2024 11:51	223268
Potassium	NELAP	0.0400	0.100		0.925	mg/L	1	05/22/2024 19:47	223268
Sodium	NELAP	0.0180	0.0500		42.9	mg/L	1	05/22/2024 19:47	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 13:06	223268
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	05/23/2024 13:06	223268
Barium	NELAP	0.0007	0.0010		0.113	mg/L	5	05/23/2024 13:06	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:06	223268
Boron	NELAP	0.0092	0.0250		1.41	mg/L	5	05/23/2024 13:06	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:06	223268
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 13:06	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	05/23/2024 13:06	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 13:06	223268
Lithium	*	0.0015	0.0030	J	0.0021	mg/L	5	05/23/2024 13:06	223268
Molybdenum	NELAP	0.0006	0.0015		0.0019	mg/L	5	05/23/2024 13:06	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 13:06	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 13:06	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-010
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-11
Collection Date: 05/20/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	05/28/2024 22:08	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-011
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-12
Collection Date: 05/20/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.57	ft	1	05/20/2024 11:06	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.3	NTU	1	05/20/2024 11:06	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-36	mV	1	05/20/2024 11:06	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1370	µS/cm	1	05/20/2024 11:06	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.4	°C	1	05/20/2024 11:06	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.76	mg/L	1	05/20/2024 11:06	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.50		1	05/20/2024 11:06	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		518	mg/L	1	05/21/2024 14:42	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:42	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1280	mg/L	2.5	05/23/2024 11:05	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		386	mg/L	10	05/24/2024 23:13	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	05/21/2024 10:40	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		26	mg/L	1	05/24/2024 23:08	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		189	mg/L	1	05/22/2024 19:48	223268
Magnesium	NELAP	0.0055	0.0500		85.8	mg/L	1	05/23/2024 11:51	223268
Potassium	NELAP	0.0400	0.100		2.76	mg/L	1	05/22/2024 19:48	223268
Sodium	NELAP	0.0180	0.0500		53.2	mg/L	1	05/22/2024 19:48	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 13:12	223268
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/23/2024 13:12	223268
Barium	NELAP	0.0007	0.0010		0.0841	mg/L	5	05/23/2024 13:12	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:12	223268
Boron	NELAP	0.0092	0.0250		4.23	mg/L	5	05/23/2024 13:12	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:12	223268
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 13:12	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	05/23/2024 13:12	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 13:12	223268
Lithium	*	0.0015	0.0030		0.0089	mg/L	5	05/23/2024 13:12	223268
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	05/23/2024 13:12	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 13:12	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 13:12	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-011
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-12
Collection Date: 05/20/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	05/28/2024 22:10	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-012
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-20
Collection Date: 05/20/2024 12:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.24	ft	1	05/20/2024 12:51	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.2	NTU	1	05/20/2024 12:51	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		264	mV	1	05/20/2024 12:51	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		678	µS/cm	1	05/20/2024 12:51	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.3	°C	1	05/20/2024 12:51	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.28	mg/L	1	05/20/2024 12:51	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.89		1	05/20/2024 12:51	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		421	mg/L	1	05/21/2024 14:49	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:49	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		720	mg/L	1	05/23/2024 11:05	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		164	mg/L	10	05/24/2024 23:21	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.33	mg/L	1	05/21/2024 10:42	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		21	mg/L	1	05/24/2024 23:16	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		125	mg/L	1	05/22/2024 19:52	223268
Magnesium	NELAP	0.0055	0.0500		64.3	mg/L	1	05/22/2024 19:52	223268
Potassium	NELAP	0.0400	0.100		1.10	mg/L	1	05/22/2024 19:52	223268
Sodium	NELAP	0.0180	0.0500		22.5	mg/L	1	05/22/2024 19:52	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 13:18	223268
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	05/23/2024 13:18	223268
Barium	NELAP	0.0007	0.0010		0.0872	mg/L	5	05/23/2024 13:18	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:18	223268
Boron	NELAP	0.0092	0.0250		0.628	mg/L	5	05/23/2024 13:18	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:18	223268
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	05/23/2024 13:18	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	05/23/2024 13:18	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 13:18	223268
Lithium	*	0.0015	0.0030		0.0045	mg/L	5	05/23/2024 13:18	223268
Molybdenum	NELAP	0.0006	0.0015		0.0025	mg/L	5	05/23/2024 13:18	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 13:18	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 13:18	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-012
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-20
Collection Date: 05/20/2024 12:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00009	mg/L	1	05/28/2024 22:12	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-013
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-20S
Collection Date: 05/21/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.25	ft	1	05/21/2024 10:09	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		31	NTU	1	05/21/2024 10:09	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		250	mV	1	05/21/2024 10:09	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1570	µS/cm	1	05/21/2024 10:09	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.0	°C	1	05/21/2024 10:09	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.66	mg/L	1	05/21/2024 10:09	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.62		1	05/21/2024 10:09	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		452	mg/L	1	05/22/2024 9:07	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 9:07	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1120	mg/L	1	05/23/2024 11:05	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		402	mg/L	10	05/24/2024 23:29	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.19	mg/L	1	05/23/2024 10:27	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		18	mg/L	1	05/24/2024 23:24	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	192	mg/L	1	05/22/2024 19:53	223268
Magnesium	NELAP	0.0055	0.0500	S	101	mg/L	1	05/22/2024 19:53	223268
Potassium	NELAP	0.0400	0.100		0.294	mg/L	1	05/22/2024 19:53	223268
Sodium	NELAP	0.0180	0.0500	S	34.9	mg/L	1	05/22/2024 19:53	223268
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	05/24/2024 10:53	223268
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	05/23/2024 13:24	223268
Barium	NELAP	0.0007	0.0010		0.0359	mg/L	5	05/24/2024 10:53	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 13:24	223268
Boron	NELAP	0.0092	0.0250	S	1.84	mg/L	5	05/24/2024 10:53	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/24/2024 10:53	223268
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	05/24/2024 10:53	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	05/23/2024 13:24	223268
Lead	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	05/23/2024 13:24	223268
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	05/23/2024 13:24	223268
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 13:24	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 13:24	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 13:24	223268



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-013
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-20S
Collection Date: 05/21/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
<i>Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.</i>									
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00010	mg/L	1	05/28/2024 22:14	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-014
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-23
Collection Date: 05/20/2024 10:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.58	ft	1	05/20/2024 10:50	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.1	NTU	1	05/20/2024 10:50	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		133	mV	1	05/20/2024 10:50	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		651	µS/cm	1	05/20/2024 10:50	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	05/20/2024 10:50	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.28	mg/L	1	05/20/2024 10:50	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.79		1	05/20/2024 10:50	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		507	mg/L	1	05/21/2024 14:56	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 14:56	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		614	mg/L	1	05/23/2024 11:07	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		50	mg/L	2	05/25/2024 0:01	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.34	mg/L	1	05/21/2024 10:44	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		26	mg/L	1	05/24/2024 23:35	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		106	mg/L	1	05/22/2024 19:55	223268
Magnesium	NELAP	0.0055	0.0500		49.9	mg/L	1	05/22/2024 19:55	223268
Potassium	NELAP	0.0400	0.100		1.01	mg/L	1	05/22/2024 19:55	223268
Sodium	NELAP	0.0180	0.0500		42.6	mg/L	1	05/22/2024 19:55	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/28/2024 10:54	223268
Arsenic	NELAP	0.0004	0.0010		0.0023	mg/L	5	05/23/2024 14:38	223268
Barium	NELAP	0.0007	0.0010		0.0857	mg/L	5	06/04/2024 20:01	223769
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 14:38	223268
Boron	NELAP	0.0092	0.0250		2.51	mg/L	5	05/23/2024 14:38	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 14:38	223268
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 14:38	223268
Cobalt	NELAP	0.0001	0.0010		0.0015	mg/L	5	05/23/2024 14:38	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 14:38	223268
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	05/23/2024 14:38	223268
Molybdenum	NELAP	0.0006	0.0015	J	0.0011	mg/L	5	06/04/2024 20:01	223769
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 14:38	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 14:38	223268



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-014
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-23
Collection Date: 05/20/2024 10:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00010	mg/L	1	05/28/2024 22:17	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-015
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-27
Collection Date: 05/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.40	ft	1	05/21/2024 12:11	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		280	NTU	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-14	mV	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1760	µS/cm	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.9	°C	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		3.14	mg/L	1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
SW-846 9040B FIELD									
pH	*	0	1.00		6.97		1	05/21/2024 12:11	R347671
Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection.									
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		677	mg/L	1	05/22/2024 9:14	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 9:14	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1360	mg/L	2.5	05/23/2024 11:07	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		400	mg/L	10	05/25/2024 0:16	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.38	mg/L	1	05/23/2024 10:29	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		11	mg/L	1	05/25/2024 0:12	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		195	mg/L	1	05/22/2024 19:56	223268
Magnesium	NELAP	0.0055	0.0500		113	mg/L	1	05/22/2024 19:56	223268
Potassium	NELAP	0.0400	0.100		2.85	mg/L	1	05/22/2024 19:56	223268
Sodium	NELAP	0.0180	0.0500		77.5	mg/L	1	05/22/2024 19:56	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 14:44	223268
Arsenic	NELAP	0.0004	0.0010		0.0053	mg/L	5	05/23/2024 14:44	223268
Barium	NELAP	0.0007	0.0010		0.116	mg/L	5	05/23/2024 14:44	223268
Beryllium	NELAP	0.0002	0.0010	J	0.0005	mg/L	5	05/23/2024 14:44	223268
Boron	NELAP	0.0092	0.0250		1.28	mg/L	5	05/23/2024 14:44	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 14:44	223268
Chromium	NELAP	0.0007	0.0015		0.0323	mg/L	5	05/23/2024 14:44	223268
Cobalt	NELAP	0.0001	0.0010		0.0064	mg/L	5	05/23/2024 14:44	223268
Lead	NELAP	0.0006	0.0010		0.0093	mg/L	5	05/23/2024 14:44	223268



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-015
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24

Client Sample ID: MW-27

Collection Date: 05/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Lithium	*	0.0015	0.0030		0.0100	mg/L	5	05/23/2024 14:44	223268
Molybdenum	NELAP	0.0006	0.0015		0.0026	mg/L	5	05/23/2024 14:44	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 14:44	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 14:44	223268
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00013	mg/L	1	05/28/2024 22:19	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-016
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-28
Collection Date: 05/20/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.74	ft	1	05/20/2024 11:56	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.2	NTU	1	05/20/2024 11:56	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		37	mV	1	05/20/2024 11:56	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2100	µS/cm	1	05/20/2024 11:56	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.8	°C	1	05/20/2024 11:56	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.94	mg/L	1	05/20/2024 11:56	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.64		1	05/20/2024 11:56	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		454	mg/L	1	05/21/2024 15:04	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 15:04	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2080	mg/L	1	05/23/2024 11:27	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		946	mg/L	50	05/29/2024 10:21	R348027
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.13	mg/L	1	05/21/2024 10:46	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		15	mg/L	1	05/25/2024 0:20	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		278	mg/L	1	05/22/2024 19:56	223268
Magnesium	NELAP	0.0055	0.0500		134	mg/L	1	05/22/2024 19:56	223268
Potassium	NELAP	0.0400	0.100		0.940	mg/L	1	05/22/2024 19:56	223268
Sodium	NELAP	0.0180	0.0500		125	mg/L	1	05/22/2024 19:56	223268
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 14:50	223268
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	05/23/2024 14:50	223268
Barium	NELAP	0.0007	0.0010		0.0309	mg/L	5	05/23/2024 14:50	223268
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 14:50	223268
Boron	NELAP	0.0092	0.0250		10.3	mg/L	5	05/23/2024 14:50	223268
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 14:50	223268
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 14:50	223268
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	05/23/2024 14:50	223268
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 14:50	223268
Lithium	*	0.0015	0.0030		0.0080	mg/L	5	05/23/2024 14:50	223268
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 14:50	223268
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 14:50	223268
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 14:50	223268

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-016
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-28
Collection Date: 05/20/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/28/2024 22:26	223499



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-017
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-30
Collection Date: 05/20/2024 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		24.52	ft	1	05/20/2024 15:03	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.1	NTU	1	05/20/2024 15:03	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-78	mV	1	05/20/2024 15:03	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1100	µS/cm	1	05/20/2024 15:03	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.2	°C	1	05/20/2024 15:03	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.36	mg/L	1	05/20/2024 15:03	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.73		1	05/20/2024 15:03	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		546	mg/L	1	05/21/2024 15:10	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 15:10	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	570	mg/L	2.5	06/05/2024 13:49	R348379
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	9	mg/L	1	05/25/2024 0:28	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.33	mg/L	1	05/21/2024 10:48	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		40	mg/L	1	05/25/2024 0:28	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		109	mg/L	1	05/22/2024 20:02	223273
Magnesium	NELAP	0.0055	0.0500		56.9	mg/L	1	05/22/2024 20:02	223273
Potassium	NELAP	0.0400	0.100		0.968	mg/L	1	05/22/2024 20:02	223273
Sodium	NELAP	0.0180	0.0500		47.4	mg/L	1	05/22/2024 20:02	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/24/2024 9:06	223273
Arsenic	NELAP	0.0004	0.0010		0.0111	mg/L	5	05/23/2024 15:40	223273
Barium	NELAP	0.0007	0.0010		0.160	mg/L	5	05/23/2024 15:40	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:40	223273
Boron	NELAP	0.0133	0.0250		1.02	mg/L	5	05/23/2024 15:40	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:40	223273
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 15:40	223273
Cobalt	NELAP	0.0001	0.0010		0.0026	mg/L	5	05/23/2024 15:40	223273
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 15:40	223273
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	05/23/2024 15:40	223273
Molybdenum	NELAP	0.0006	0.0015	J	0.0015	mg/L	5	05/23/2024 15:40	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 15:40	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 15:40	223273



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-017
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-30
Collection Date: 05/20/2024 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 10:19	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-018
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-31
Collection Date: 05/21/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		30.44	ft	1	05/21/2024 10:53	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.6	NTU	1	05/21/2024 10:53	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-61	mV	1	05/21/2024 10:53	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1140	µS/cm	1	05/21/2024 10:53	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		19.9	°C	1	05/21/2024 10:53	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.63	mg/L	1	05/21/2024 10:53	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.72		1	05/21/2024 10:53	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		552	mg/L	1	05/22/2024 9:22	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 9:22	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		618	mg/L	1	05/24/2024 15:54	R347911
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	8	mg/L	1	05/25/2024 0:51	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.24	mg/L	1	05/23/2024 10:31	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		42	mg/L	1	05/25/2024 0:52	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	119	mg/L	1	05/22/2024 20:03	223273
Magnesium	NELAP	0.0055	0.0500		59.8	mg/L	1	05/22/2024 20:03	223273
Potassium	NELAP	0.0400	0.100		0.893	mg/L	1	05/22/2024 20:03	223273
Sodium	NELAP	0.0180	0.0500		27.5	mg/L	1	05/22/2024 20:03	223273
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	05/23/2024 14:57	223273
Arsenic	NELAP	0.0004	0.0010		0.0032	mg/L	5	05/23/2024 14:57	223273
Barium	NELAP	0.0007	0.0010		0.204	mg/L	5	05/23/2024 14:57	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 14:57	223273
Boron	NELAP	0.0133	0.0250		0.256	mg/L	5	05/23/2024 14:57	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 14:57	223273
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 14:57	223273
Cobalt	NELAP	0.0001	0.0010		0.0013	mg/L	5	05/23/2024 14:57	223273
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 14:57	223273
Lithium	*	0.0015	0.0030		0.0034	mg/L	5	05/23/2024 14:57	223273
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	05/23/2024 14:57	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 14:57	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 14:57	223273

Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-018
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-31
Collection Date: 05/21/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 10:21	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-019
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-31S
Collection Date: 05/21/2024 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		23.16	ft	1	05/21/2024 11:36	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		36	NTU	1	05/21/2024 11:36	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-43	mV	1	05/21/2024 11:36	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1310	µS/cm	1	05/21/2024 11:36	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		20.9	°C	1	05/21/2024 11:36	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		3.57	mg/L	1	05/21/2024 11:36	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.77		1	05/21/2024 11:36	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		614	mg/L	1	05/22/2024 9:28	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 9:28	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		760	mg/L	2.5	05/23/2024 11:30	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	SR	12	mg/L	1	05/25/2024 1:02	R347894
<i>Matrix spike and RPD did not recover within control limits. Results verified by reanalysis at dilution.</i>									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	05/23/2024 10:33	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		40	mg/L	2	05/25/2024 1:13	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		133	mg/L	1	05/22/2024 19:57	223273
Magnesium	NELAP	0.0055	0.0500		65.7	mg/L	1	05/22/2024 19:57	223273
Potassium	NELAP	0.0400	0.100		0.935	mg/L	1	05/22/2024 19:57	223273
Sodium	NELAP	0.0180	0.0500		22.8	mg/L	1	05/22/2024 19:57	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/24/2024 9:10	223273
Arsenic	NELAP	0.0004	0.0010		0.0052	mg/L	5	05/23/2024 15:46	223273
Barium	NELAP	0.0007	0.0010		0.216	mg/L	5	05/23/2024 15:46	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:46	223273
Boron	NELAP	0.0133	0.0250		0.223	mg/L	5	05/23/2024 15:46	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:46	223273
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	05/23/2024 15:46	223273
Cobalt	NELAP	0.0001	0.0010		0.0012	mg/L	5	05/23/2024 15:46	223273
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 15:46	223273
Lithium	*	0.0015	0.0030		0.0040	mg/L	5	05/23/2024 15:46	223273
Molybdenum	NELAP	0.0006	0.0015	J	0.0010	mg/L	5	05/23/2024 15:46	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 15:46	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 15:46	223273



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-019
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-31S
Collection Date: 05/21/2024 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 10:24	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-020
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-32
Collection Date: 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		23.18	ft	1	05/20/2024 13:40	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.9	NTU	1	05/20/2024 13:40	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		193	mV	1	05/20/2024 13:40	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		923	µS/cm	1	05/20/2024 13:40	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.4	°C	1	05/20/2024 13:40	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.48	mg/L	1	05/20/2024 13:40	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.40		1	05/20/2024 13:40	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		514	mg/L	1	05/21/2024 15:17	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 15:17	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	1030	mg/L	1	06/03/2024 16:07	R348256
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		341	mg/L	10	05/25/2024 1:29	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	05/21/2024 10:50	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		10	mg/L	1	05/25/2024 1:24	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		159	mg/L	1	05/22/2024 19:58	223273
Magnesium	NELAP	0.0055	0.0500		84.6	mg/L	1	05/22/2024 19:58	223273
Potassium	NELAP	0.0400	0.100		0.398	mg/L	1	05/22/2024 19:58	223273
Sodium	NELAP	0.0180	0.0500		59.2	mg/L	1	05/22/2024 19:58	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	05/23/2024 15:52	223273
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/23/2024 15:52	223273
Barium	NELAP	0.0007	0.0010		0.0441	mg/L	5	05/23/2024 15:52	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:52	223273
Boron	NELAP	0.0133	0.0250		1.56	mg/L	5	05/23/2024 15:52	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:52	223273
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 15:52	223273
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	05/23/2024 15:52	223273
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 15:52	223273
Lithium	*	0.0015	0.0030	J	0.0015	mg/L	5	05/23/2024 15:52	223273
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 15:52	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 15:52	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 15:52	223273

Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-020
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-32
Collection Date: 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 10:26	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND

KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-021
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24

Client Sample ID: PZ4!A

Collection Date: 05/21/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.85	ft	1	05/21/2024 11:04	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		33	NTU	1	05/21/2024 11:04	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		272	mV	1	05/21/2024 11:04	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1210	µS/cm	1	05/21/2024 11:04	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		20.7	°C	1	05/21/2024 11:04	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		4.22	mg/L	1	05/21/2024 11:04	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.79		1	05/21/2024 11:04	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		517	mg/L	1	05/22/2024 9:36	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 9:36	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		785	mg/L	2.5	05/23/2024 11:57	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		145	mg/L	10	05/25/2024 1:53	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	05/23/2024 10:35	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		16	mg/L	1	05/25/2024 1:48	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		127	mg/L	1	05/22/2024 20:05	223273
Magnesium	NELAP	0.0055	0.0500		75.2	mg/L	1	05/22/2024 20:05	223273
Potassium	NELAP	0.0400	0.100		0.323	mg/L	1	05/22/2024 20:05	223273
Sodium	NELAP	0.0180	0.0500		24.0	mg/L	1	05/22/2024 20:05	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	05/23/2024 15:58	223273
Arsenic	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	05/23/2024 15:58	223273
Barium	NELAP	0.0007	0.0010		0.0639	mg/L	5	05/23/2024 15:58	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:58	223273
Boron	NELAP	0.0133	0.0250		0.706	mg/L	5	05/23/2024 15:58	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 15:58	223273
Chromium	NELAP	0.0007	0.0015		0.0026	mg/L	5	05/23/2024 15:58	223273
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	05/23/2024 15:58	223273
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	05/23/2024 15:58	223273
Lithium	*	0.0015	0.0030	J	0.0015	mg/L	5	05/23/2024 15:58	223273
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 15:58	223273
Selenium	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	05/23/2024 15:58	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 15:58	223273

Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-021
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: PZ4!A
Collection Date: 05/21/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 11:09	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-022
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: PZ4!C
Collection Date: 05/21/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.24	ft	1	05/21/2024 11:23	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		22	NTU	1	05/21/2024 11:23	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-113	mV	1	05/21/2024 11:23	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		999	µS/cm	1	05/21/2024 11:23	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		20.4	°C	1	05/21/2024 11:23	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.59	mg/L	1	05/21/2024 11:23	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.82		1	05/21/2024 11:23	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		422	mg/L	1	05/22/2024 9:43	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 9:43	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	625	mg/L	2.5	06/03/2024 16:07	R348256
Sample required re-analysis out of hold time.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		79	mg/L	5	05/25/2024 2:01	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.38	mg/L	1	05/23/2024 10:37	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		32	mg/L	1	05/25/2024 1:56	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		112	mg/L	1	05/22/2024 20:06	223273
Magnesium	NELAP	0.0055	0.0500		45.3	mg/L	1	05/22/2024 20:06	223273
Potassium	NELAP	0.0400	0.100		1.40	mg/L	1	05/22/2024 20:06	223273
Sodium	NELAP	0.0180	0.0500		35.4	mg/L	1	05/22/2024 20:06	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	05/23/2024 16:04	223273
Arsenic	NELAP	0.0004	0.0010		0.0012	mg/L	5	05/23/2024 16:04	223273
Barium	NELAP	0.0007	0.0010		0.251	mg/L	5	05/23/2024 16:04	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 16:04	223273
Boron	NELAP	0.0133	0.0250		1.45	mg/L	5	05/23/2024 16:04	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 16:04	223273
Chromium	NELAP	0.0007	0.0015		0.0016	mg/L	5	05/23/2024 16:04	223273
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	05/23/2024 16:04	223273
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	05/23/2024 16:04	223273
Lithium	*	0.0015	0.0030		0.0068	mg/L	5	05/23/2024 16:04	223273
Molybdenum	NELAP	0.0006	0.0015	J	0.0010	mg/L	5	05/23/2024 16:04	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 16:04	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 16:04	223273

Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-022
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: PZ4!C
Collection Date: 05/21/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 11:11	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-023
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: XSG-01
Collection Date: 05/20/2024 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.21	ft	1	05/20/2024 9:48	R347671



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-024
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: YSG-02
Collection Date: 05/20/2024 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		20.37	ft	1	05/20/2024 12:18	R347671



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-025
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: YSG-03
Collection Date: 05/20/2024 10:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.08	ft	1	05/20/2024 10:54	R347671



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-026
Matrix: AQUEOUS

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: Field Blank
Collection Date: 05/21/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		1	mg/L	1	05/22/2024 10:08	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 10:08	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		34	mg/L	1	05/23/2024 11:57	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	05/25/2024 2:04	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	05/23/2024 10:39	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	05/25/2024 2:04	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	05/22/2024 20:06	223273
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	05/22/2024 20:06	223273
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	05/22/2024 20:06	223273
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	05/22/2024 20:06	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	05/23/2024 16:11	223273
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/23/2024 16:11	223273
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 16:11	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 16:11	223273
Boron	NELAP	0.0133	0.0250		< 0.0250	mg/L	5	05/23/2024 16:11	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 16:11	223273
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 16:11	223273
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	05/23/2024 16:11	223273
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 16:11	223273
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	05/23/2024 16:11	223273
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 16:11	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 16:11	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 16:11	223273
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 11:14	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-027
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-08 Duplicate
Collection Date: 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.44	ft	1	05/20/2024 13:42	R347671
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.6	NTU	1	05/20/2024 13:42	R347671
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		92	mV	1	05/20/2024 13:42	R347671
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1190	µS/cm	1	05/20/2024 13:42	R347671
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	05/20/2024 13:42	R347671
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	05/20/2024 13:42	R347671
SW-846 9040B FIELD									
pH	*	0	1.00		6.60		1	05/20/2024 13:42	R347671
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		454	mg/L	1	05/21/2024 15:25	R347649
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/21/2024 15:25	R347649
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		834	mg/L	1	05/23/2024 11:57	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		205	mg/L	10	05/25/2024 2:11	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	05/21/2024 10:52	R347625
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		21	mg/L	1	05/25/2024 2:07	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		141	mg/L	1	05/22/2024 20:07	223273
Magnesium	NELAP	0.0055	0.0500		66.1	mg/L	1	05/22/2024 20:07	223273
Potassium	NELAP	0.0400	0.100		0.542	mg/L	1	05/22/2024 20:07	223273
Sodium	NELAP	0.0180	0.0500		27.2	mg/L	1	05/22/2024 20:07	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	05/23/2024 16:17	223273
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/23/2024 16:17	223273
Barium	NELAP	0.0007	0.0010		0.0205	mg/L	5	05/23/2024 16:17	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 16:17	223273
Boron	NELAP	0.0133	0.0250		0.867	mg/L	5	05/23/2024 16:17	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 16:17	223273
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 16:17	223273
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	05/23/2024 16:17	223273
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 16:17	223273
Lithium	*	0.0015	0.0030	J	0.0018	mg/L	5	05/23/2024 16:17	223273
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 16:17	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 16:17	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 16:17	223273

Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-027
Matrix: GROUNDWATER

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: MW-08 Duplicate
Collection Date: 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 11:20	223500



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050124-028
Matrix: AQUEOUS

Work Order: 24050124
Report Date: 06-Jun-24
Client Sample ID: Equipment Blank 1
Collection Date: 05/21/2024 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		4	mg/L	1	05/22/2024 9:49	R347693
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/22/2024 9:49	R347693
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		34	mg/L	1	05/23/2024 12:28	R347839
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	9	mg/L	1	05/25/2024 2:14	R347894
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	05/23/2024 10:42	R347780
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	05/25/2024 2:15	R347900
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		0.327	mg/L	1	05/22/2024 20:08	223273
Magnesium	NELAP	0.0055	0.0500		0.149	mg/L	1	05/22/2024 20:08	223273
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	05/22/2024 20:08	223273
Sodium	NELAP	0.0180	0.0500		0.0618	mg/L	1	05/22/2024 20:08	223273
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/24/2024 9:14	223273
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	05/23/2024 17:12	223273
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	05/23/2024 17:12	223273
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 17:12	223273
Boron	NELAP	0.0133	0.0250		< 0.0250	mg/L	5	05/23/2024 17:12	223273
Cadmium	*	0.0002	0.0010		< 0.0010	mg/L	5	05/23/2024 17:12	223273
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	05/23/2024 17:12	223273
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	05/23/2024 17:12	223273
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 17:12	223273
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	05/23/2024 17:12	223273
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	05/23/2024 17:12	223273
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	05/23/2024 17:12	223273
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	05/23/2024 17:12	223273
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	05/29/2024 11:27	223500



Sample Summary

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

Client: Ramboll
Client Project: KIN-24Q2

Work Order: 24050124
Report Date: 06-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24050124-001	MW-01	Groundwater	2	05/20/2024 13:12
24050124-002	MW-02	Groundwater	2	05/20/2024 10:02
24050124-003	MW-03	Groundwater	2	05/20/2024 12:15
24050124-004	MW-05	Groundwater	2	05/20/2024 14:16
24050124-005	MW-06	Groundwater	2	05/20/2024 12:48
24050124-006	MW-07	Groundwater	2	05/20/2024 13:40
24050124-007	MW-07S	Groundwater	2	05/20/2024 14:31
24050124-008	MW-08	Groundwater	2	05/20/2024 13:42
24050124-009	MW-08S	Groundwater	2	05/20/2024 10:35
24050124-010	MW-11	Groundwater	2	05/20/2024 11:24
24050124-011	MW-12	Groundwater	2	05/20/2024 11:06
24050124-012	MW-20	Groundwater	2	05/20/2024 12:51
24050124-013	MW-20S	Groundwater	2	05/21/2024 10:09
24050124-014	MW-23	Groundwater	2	05/20/2024 10:50
24050124-015	MW-27	Groundwater	2	05/21/2024 12:11
24050124-016	MW-28	Groundwater	2	05/20/2024 11:56
24050124-017	MW-30	Groundwater	2	05/20/2024 15:03
24050124-018	MW-31	Groundwater	2	05/21/2024 10:53
24050124-019	MW-31S	Groundwater	2	05/21/2024 11:36
24050124-020	MW-32	Groundwater	2	05/20/2024 13:40
24050124-021	PZ4!A	Groundwater	2	05/21/2024 11:04
24050124-022	PZ4!C	Groundwater	2	05/21/2024 11:23
24050124-023	XSG-01	Groundwater	1	05/20/2024 9:48
24050124-024	YSG-02	Groundwater	1	05/20/2024 12:18
24050124-025	YSG-03	Groundwater	1	05/20/2024 10:54
24050124-026	Field Blank	Aqueous	2	05/21/2024 11:31
24050124-027	MW-08 Duplicate	Groundwater	2	05/20/2024 13:42
24050124-028	Equipment Blank 1	Aqueous	2	05/21/2024 11:37



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347671		SampType: LCS		Units µS/cm							
SampID: LCS-1B											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/20/2024

Batch R347671		SampType: LCS		Units µS/cm							
SampID: LCS-1J											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	99.7	90	110	05/20/2024

Batch R347671		SampType: LCS		Units µS/cm							
SampID: LCS-1T											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/20/2024

Batch R347671		SampType: LCS		Units µS/cm							
SampID: LCS-2B											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	05/21/2024	

Batch R347671		SampType: LCS		Units µS/cm							
SampID: LCS-2J											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/21/2024

SW-846 9040B FIELD

Batch R347671		SampType: LCS		Units							
SampID: LCS-1B											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	05/20/2024	

Batch R347671		SampType: LCS		Units							
SampID: LCS-1J											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.98	7.000	0	99.7	98.57	101.4	05/20/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

SW-846 9040B FIELD

Batch R347671		SampType: LCS		Units							
SampID: LCS-1T											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	05/20/2024	

Batch R347671		SampType: LCS		Units							
SampID: LCS-2B											Date Analyzed
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	05/21/2024	

Batch R347671		SampType: LCS		Units							
SampID: LCS-2J											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4	05/21/2024	

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R347839		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/23/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/23/2024	

Batch R347839		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		986	1000	0	98.6	90	110	05/23/2024	
Total Dissolved Solids		20		958	1000	0	95.8	90	110	05/23/2024	

Batch R347839		SampType: DUP		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 24050124-005ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			20		434				450.0	3.62	05/23/2024	

Batch R347839		SampType: DUP		Units mg/L					RPD Limit 10			Date Analyzed
SampID: 24050451-006BDUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			50	RH	410				345.0	17.22	05/23/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R347839		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24051552-001ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		50		370				395.0	6.54	05/23/2024

Batch R347839		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24051552-002ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		20		444				454.0	2.23	05/23/2024

Batch R347911		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	05/24/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/24/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/24/2024	

Batch R347911		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		956	1000	0	95.6	90	110	05/24/2024	
Total Dissolved Solids		20		930	1000	0	93.0	90	110	05/24/2024	
Total Dissolved Solids		20		954	1000	0	95.4	90	110	05/24/2024	

Batch R347911		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24051776-015ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		20		< 20				0	0.00	05/24/2024

Batch R347911		SampType: DUP		Units mg/L		RPD Limit 10				
SampID: 24051779-003ADUP								Date Analyzed		
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids		1000		51700				51200	0.97	05/24/2024

Batch R348148		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	05/31/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/31/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R348148		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		956	1000	0	95.6	90	110	05/31/2024	
Total Dissolved Solids		20		994	1000	0	99.4	90	110	05/31/2024	

Batch R348148		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24052371-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		502				508.0	1.19	05/31/2024

Batch R348148		SampType: DUP		Units mg/L					RPD Limit 10			Date Analyzed
SampID: 24052414-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			50		580				615.0	5.86	05/31/2024	

Batch R348256		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	06/03/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	06/03/2024	

Batch R348256		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		954	1000	0	95.4	90	110	06/03/2024	
Total Dissolved Solids		20		948	1000	0	94.8	90	110	06/03/2024	

Batch R348256		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050124-010ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	632				636.0	0.63	06/03/2024

Batch R348256		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050124-020ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	1030				1034	0.78	06/03/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R348256		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050124-022ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50	H	675				625.0	7.69	06/03/2024

Batch R348256		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24052341-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids			50		825				855.0	3.57	06/03/2024

Batch R348256		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24052388-006HDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		4550				4480	1.55	06/03/2024

Batch	R348379	SampType:	MBLK	Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	06/05/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	06/05/2024	

Batch	R348379	SampType:	LCS	Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		952	1000	0	95.2	90	110	06/05/2024	
Total Dissolved Solids		20		902	1000	0	90.2	90	110	06/05/2024	

Batch R348379		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050124-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50	H	715				785.0	9.33	06/05/2024

Batch R348379		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050124-017ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50	H	580				570.0	1.74	06/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

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STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R348379		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24052388-004HDUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			50		1710				1615	5.71		
06/05/2024												

Batch R348379		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24060011-019ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			100		9420				9240	1.93	06/05/2024

Batch R348379		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24060130-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1920				1892	1.36	06/05/2024

SW-846 9036 (TOTAL)

Batch R347894		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	05/24/2024

Batch R347894		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	94.8	90	110	05/24/2024	

Batch R347894		SampType: MS		Units mg/L							
SampID: 24050124-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	29	20.00	13.19	77.1	85	115	05/24/2024	

Batch R347894		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050124-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	29	20.00	13.19	77.0	28.61	0.03	05/24/2024



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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

SW-846 9036 (TOTAL)

Batch R347894		SampType: MS		Units mg/L							Date
SampID: 24050124-014AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		86	40.00	49.59	89.9	85	115	05/25/2024	

Batch R347894		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050124-014AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		20		89	40.00	49.59	99.5	85.55	4.39	05/25/2024		

Batch R347894		SampType: MS		Units mg/L							Date
SampID: 24050124-019AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	27	20.00	12.07	76.5	85	115	05/25/2024	

Batch R347894		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050124-019AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	R	32	20.00	12.07	101.8	27.36	16.99	05/25/2024		

Batch R347894		SampType: MS		Units mg/L							Date
SampID: 24051304-006AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20	E	114	40.00	77.49	91.8	85	115	05/24/2024	

Batch R347894		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051304-006AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		20	E	118	40.00	77.49	100.0	114.2	2.82	05/24/2024		

Batch R347894		SampType: MS		Units mg/L							Date
SampID: 24051304-010AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		86	40.00	48.70	94.1	85	115	05/24/2024	

Batch R347894		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051304-010AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		20		88	40.00	48.70	99.2	86.34	2.32	05/24/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

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SW-846 9036 (TOTAL)

Batch R347894		SampType: MS		Units mg/L							
SampID: 24051304-014AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10	E	58	20.00	40.32	88.7	85	115	05/24/2024	

Batch R347894		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24051304-014AMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		10	E	59	20.00	40.32	92.5	58.05	1.32				05/24/2024

Batch R347894		SampType: MS		Units mg/L							Date Analyzed
SampID: 24051948-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		100	S	295	200.0	130.3	82.3	85	115		

Batch R347894		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24051948-001BMDS												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		100		304	200.0	130.3	86.9	294.9	3.08				05/25/2024

Batch R347894		SampType: MS		Units mg/L							
SampID: 24051948-002BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		39	20.00	21.86	86.2	85	115	05/25/2024	

Batch R347894		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24051948-002BMDS												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		10		40	20.00	21.86	90.0	39.09	1.95				05/25/2024

Batch R348027		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	05/29/2024	

Batch R348027		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	95.0	90	110	05/29/2024	



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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

SW-846 9036 (TOTAL)

Batch R348027		SampType: MS		Units mg/L						
SampID: 24050651-003BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		18	20.00	0	91.0	85	115	05/29/2024

Batch R348027		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24050651-003BMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		10		19	20.00	0	93.2	18.21	2.28				05/29/2024

Batch R348027		SampType: MS		Units mg/L							
SampID: 24050651-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		173	100.0	80.33	92.2	85	115	05/29/2024	

Batch R348027		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24050651-009BMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		50		179	100.0	80.33	98.9	172.5	3.83				05/29/2024

Batch R348027		SampType: MS		Units mg/L							
SampID: 24051942-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		449	200.0	257.6	95.6	85	115	05/29/2024	

Batch R348027		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24051942-001BMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		100		452	200.0	257.6	97.0	448.8	0.60				05/29/2024

Batch R348027		SampType: MS		Units mg/L							
SampID: 24052005-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		58	40.00	22.78	87.6	85	115	05/29/2024	

Batch R348027		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24052005-001AMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		20		59	40.00	22.78	90.1	57.81	1.73				05/29/2024



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Work Order: 24050124

Client Project: KIN-24Q2

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SW-846 9036 (TOTAL)

Batch R348027		SampType: MS		Units mg/L						
SampID: 24052005-004AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		29	20.00	11.48	87.4	85	115	05/29/2024

Batch R348027		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24052005-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		30	20.00	11.48	90.3	28.95	2.02	05/29/2024

SW-846 9214 (TOTAL)

Batch R347625		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/21/2024	

Batch R347625		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		1.06	1.000	0	105.9	90	110	05/21/2024

Batch R347625		SampType: MS		Units mg/L							
SampID: 24050124-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.42	2.000	0.2180	110.0	75	125	05/21/2024	

Batch R347625		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-008AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.34	2.000	0.2180	106.2	2.418	3.19	05/21/2024

Batch R347625		SampType: MS		Units mg/L							
SampID: 24050124-027AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.52	2.000	0.2040	115.6	75	125	05/21/2024	



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Client Project: KIN-24Q2

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SW-846 9214 (TOTAL)

Batch R347625		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-027AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.18	2.000	0.2040	98.6	2.515	14.45	05/21/2024

Batch R347625		SampType: MS		Units mg/L							
SampID: 24051408-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		9.71	2.000	7.463	112.2	75	125	05/21/2024	

Batch R347625		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24051408-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		9.85	2.000	7.463	119.5	9.706	1.50	05/21/2024	

Batch R347780		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		< 0.10	0.0500	0	0	-100	100	05/23/2024

Batch R347780		SampType: LCS		Units mg/L							
SampID: LCS										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		0.98	1.000	0	98.4	90	110	05/23/2024	

Batch R347780		SampType: MS		Units mg/L							
SampID: 24050124-028AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.38	2.000	0	118.8	75	125	05/23/2024	

Batch R347780		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-028AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.24	2.000	0	112.0	2.377	5.89	05/23/2024

Batch R347780		SampType: MS		Units mg/L							
SampID: 24051870-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.02	2.000	0.6830	116.8	75	125	05/23/2024	



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Batch R347780		SampType: MSD		Units mg/L			RPD Limit 15				
SampID: 24051870-001AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.10		2.88	2.000	0.6830	110.1	3.019	4.54	05/23/2024

Batch R347780		SampType: MS		Units mg/L							
SampID: 24051901-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.91	2.000	0.7340	108.6	75	125	05/23/2024	

Batch R347780		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24051901-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.77	2.000	0.7340	102.0	2.907	4.68	05/23/2024	

SW-846 9251 (TOTAL)

Batch R347900		SampType: MBLK		Units mg/L							
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	05/24/2024	

Batch R347900		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	99.6	90	110	05/24/2024	

Batch R347900		SampType: MS		Units mg/L							
SampID: 24050124-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		79	40.00	43.81	87.4	85	115	05/24/2024	

Batch R347900		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		81	40.00	43.81	91.9	78.75	2.27	05/24/2024



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SW-846 9251 (TOTAL)

Batch R347900		SampType: MS		Units mg/L							Date
SampID: 24050124-014AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		44	20.00	25.50	91.9	85	115	05/24/2024	

Batch R347900		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-014AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		44	20.00	25.50	90.4	43.88	0.71	05/24/2024

Batch R347900		SampType: MS		Units mg/L							Date
SampID: 24050124-019AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		74	40.00	40.17	85.2	85	115	05/25/2024	

Batch R347900		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-019AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		77	40.00	40.17	90.9	74.26	3.01	05/25/2024

Batch R347900		SampType: MS		Units mg/L							Date
SampID: 24051948-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		24	20.00	5.570	94.4	85	115	05/25/2024	

Batch R347900		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051948-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	5.570	92.8	24.45	1.32	05/25/2024

Batch R347900		SampType: MS		Units mg/L							Date
SampID: 24051948-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		25	20.00	6.790	91.9	85	115	05/25/2024	

Batch R347900		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051948-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		25	20.00	6.790	93.2	25.17	1.03	05/25/2024



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SW-846 9251 (TOTAL)

Batch R348033		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/29/2024	

Batch R348033		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		20	20.00	0	101.7	90	110	05/29/2024	

Batch R348033		SampType: MS		Units mg/L							
SampID: 24050651-003BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	E	59	20.00	39.68	98.7	85	115	05/29/2024	

Batch R348033		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050651-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	59	20.00	39.68	96.2	59.42	0.83	05/29/2024

Batch R348033		SampType: MS		Units mg/L							
SampID: 24050651-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		153	100.0	64.22	88.5	85	115	05/29/2024	

Batch R348033		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050651-009BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		155	100.0	64.22	90.9	152.7	1.59	05/29/2024

Batch R348033		SampType: MS		Units mg/L							
SampID: 24051910-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		248	100.0	160.2	87.4	85	115	05/29/2024	

Batch R348033		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051910-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20	E	259	100.0	160.2	99.1	247.7	4.61	05/29/2024



Quality Control Results

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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

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SW-846 9251 (TOTAL)

Batch R348033		SampType: MS		Units mg/L							Date
SampID: 24051942-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		299	200.0	119.6	89.8	85	115	05/29/2024	

Batch R348033		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24051942-001BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		297	200.0	119.6	88.9	299.2	0.65	05/29/2024		

Batch R348033		SampType: MS		Units mg/L							Date
SampID: 24052005-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		53	40.00	15.24	93.6	85	115	05/29/2024	

Batch R348033		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24052005-001AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		52	40.00	15.24	92.5	52.70	0.88	05/29/2024		

Batch R348033		SampType: MS		Units mg/L							Date
SampID: 24052005-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		30	20.00	11.41	91.8	85	115	05/29/2024	

Batch R348033		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24052005-004AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		30	20.00	11.41	91.9	29.78	0.03	05/29/2024		

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

Batch 223268		SampType: MBLK		Units mg/L							Date
SampID: MBLK-223268											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/22/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/22/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/22/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/22/2024	



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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

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

Batch 223268		SampType: LCS		Units mg/L							
SampID: LCS-223268											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.29	2.500	0	91.8	85	115	05/22/2024	
Magnesium		0.0500		2.33	2.500	0	93.4	85	115	05/22/2024	
Potassium		0.100		2.62	2.500	0	105.0	85	115	05/22/2024	
Sodium		0.0500		2.40	2.500	0	96.0	85	115	05/22/2024	

Batch 223268		SampType: MS		Units mg/L							
SampID: 24050124-013BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100	S	193	2.500	191.5	74.8	75	125	05/22/2024	
Magnesium		0.0500		103	2.500	100.7	104.8	75	125	05/22/2024	
Potassium		0.100		2.99	2.500	0.2942	107.7	75	125	05/22/2024	
Sodium		0.0500		37.3	2.500	34.94	95.2	75	125	05/22/2024	

Batch 223268		SampType:	MSD	Units mg/L					RPD Limit 20		
SampID: 24050124-013BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	190	2.500	191.5	-74.0	193.4	1.94	05/22/2024	
Magnesium		0.0500	S	102	2.500	100.7	34.1	103.3	1.73	05/22/2024	
Potassium		0.100		2.99	2.500	0.2942	107.7	2.986	0.03	05/22/2024	
Sodium		0.0500	S	36.7	2.500	34.94	69.2	37.32	1.76	05/22/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

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

Batch 223273 SampType: MBLK Units mg/L

SampleID: MBLK-223273

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/22/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/22/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/22/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/22/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/22/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/22/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/22/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/23/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/22/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/22/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	05/22/2024
Magnesium		0.0500	J	0.0055	0.0055	0	100.0	-100	100	05/23/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/22/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/22/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/23/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/22/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/22/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/23/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/22/2024



Quality Control Results

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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

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

Batch 223273		SampType: LCS		Units mg/L							
SampID: LCS-223273											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0500		0.497	0.5000	0	99.4	85	115	05/22/2024	
Arsenic		0.0250		0.511	0.5000	0	102.1	85	115	05/22/2024	
Barium		0.0025		1.92	2.000	0	96.2	85	115	05/22/2024	
Beryllium		0.0005		0.0496	0.0500	0	99.2	85	115	05/22/2024	
Boron		0.0200		0.472	0.5000	0	94.5	85	115	05/22/2024	
Cadmium		0.0020		0.0520	0.0500	0	104.0	85	115	05/22/2024	
Calcium		0.100		2.48	2.500	0	99.3	85	115	05/23/2024	
Calcium		0.100		2.35	2.500	0	93.9	85	115	05/22/2024	
Chromium		0.0050		0.189	0.2000	0	94.5	85	115	05/22/2024	
Cobalt		0.0050		0.477	0.5000	0	95.3	85	115	05/22/2024	
Lead		0.0150		0.476	0.5000	0	95.2	85	115	05/22/2024	
Magnesium		0.0500		2.36	2.500	0	94.2	85	115	05/22/2024	
Magnesium		0.0500		2.50	2.500	0	99.8	85	115	05/23/2024	
Molybdenum		0.0100		0.467	0.5000	0	93.4	85	115	05/22/2024	
Potassium		0.100		2.69	2.500	0	107.6	85	115	05/23/2024	
Potassium		0.100		2.65	2.500	0	106.1	85	115	05/22/2024	
Selenium		0.0400		0.483	0.5000	0	96.6	85	115	05/22/2024	
Sodium		0.0500		2.43	2.500	0	97.0	85	115	05/22/2024	
Sodium		0.0500		2.65	2.500	0	106.2	85	115	05/23/2024	

Batch 223273		SampType: MS		Units mg/L						
SampID: 24050124-018BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100	S	121	2.500	119.1	58.8	75	125	05/22/2024
Magnesium		0.0500		61.9	2.500	59.82	84.0	75	125	05/22/2024
Potassium		0.100		3.58	2.500	0.8929	107.6	75	125	05/22/2024
Sodium		0.0500		29.7	2.500	27.53	85.2	75	125	05/22/2024

Batch 223273		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24050124-018BMSD										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Calcium		0.100	S	123	2.500	119.1	145.2	120.5	1.78	05/22/2024
Magnesium		0.0500		62.9	2.500	59.82	125.0	61.93	1.64	05/22/2024
Potassium		0.100		3.62	2.500	0.8929	109.0	3.583	0.96	05/22/2024
Sodium		0.0500		30.3	2.500	27.53	110.8	29.66	2.13	05/22/2024



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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

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

Batch 223273		SampType: MS		Units mg/L						
SampID: 24051286-001DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		0.511	0.5000	0.009300	100.2	75	125	05/22/2024
Arsenic		0.0250		0.518	0.5000	0	103.6	75	125	05/22/2024
Barium		0.0025		2.05	2.000	0.06720	99.1	75	125	05/22/2024
Beryllium		0.0005		0.0507	0.0500	0	101.4	75	125	05/22/2024
Cadmium		0.0020		0.0507	0.0500	0	101.4	75	125	05/22/2024
Chromium		0.0050		0.196	0.2000	0.004100	96.0	75	125	05/22/2024
Lead		0.0150		0.483	0.5000	0.007100	95.2	75	125	05/22/2024

Batch 223273		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24051286-001DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		0.0500		0.501	0.5000	0.009300	98.3	0.5105	1.90	05/22/2024	
Arsenic		0.0250		0.509	0.5000	0	101.8	0.5178	1.75	05/22/2024	
Barium		0.0025		2.02	2.000	0.06720	97.6	2.050	1.47	05/22/2024	
Beryllium		0.0005		0.0497	0.0500	0	99.4	0.05070	1.99	05/22/2024	
Cadmium		0.0020		0.0504	0.0500	0	100.8	0.05070	0.59	05/22/2024	
Chromium		0.0050		0.194	0.2000	0.004100	94.8	0.1962	1.28	05/22/2024	
Lead		0.0150		0.477	0.5000	0.007100	93.9	0.4833	1.38	05/22/2024	

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

Batch 223268		SampType: MBLK		Units mg/L							
SampID: MBLK-223268											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	05/23/2024	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	05/23/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	05/23/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	05/23/2024	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	05/23/2024	
Cadmium	*	0.0010		< 0.0010	0.0001	0	0	-100	100	05/23/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	05/23/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	05/23/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	05/23/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	05/23/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	05/23/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	05/23/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	05/23/2024	



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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

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

Batch 223268 SampType: LCS Units mg/L

SampID: LCS-223268

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.529	0.5000	0	105.9	80	120	05/28/2024
Antimony		0.0010	S	0.612	0.5000	0	122.3	80	120	05/23/2024
Arsenic		0.0010		0.563	0.5000	0	112.5	80	120	05/23/2024
Barium		0.0010		2.07	2.000	0	103.4	80	120	05/24/2024
Beryllium		0.0010		0.0573	0.0500	0	114.7	80	120	05/23/2024
Boron		0.0250		0.557	0.5000	0	111.4	80	120	05/23/2024
Cadmium	*	0.0010		0.0485	0.0500	0	97.0	80	120	05/24/2024
Chromium		0.0015		0.237	0.2000	0	118.7	80	120	05/23/2024
Cobalt		0.0010		0.573	0.5000	0	114.5	80	120	05/23/2024
Lead		0.0010		0.556	0.5000	0	111.3	80	120	05/23/2024
Lithium	*	0.0030		0.558	0.5000	0	111.6	80	120	05/23/2024
Molybdenum		0.0015		0.531	0.5000	0	106.1	80	120	05/23/2024
Selenium		0.0010		0.564	0.5000	0	112.8	80	120	05/23/2024
Thallium		0.0020		0.267	0.2500	0	106.8	80	120	05/23/2024

Batch 223268 SampType: MS Units mg/L

SampID: 24050124-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.540	0.5000	0.0004531	107.8	75	125	05/24/2024
Arsenic		0.0010		0.575	0.5000	0.0004352	114.9	75	125	05/23/2024
Barium		0.0010		1.96	2.000	0.03586	96.1	75	125	05/24/2024
Beryllium		0.0010		0.0589	0.0500	0	117.8	75	125	05/23/2024
Boron		0.0250	S	2.21	0.5000	1.838	74.3	75	125	05/24/2024
Cadmium	*	0.0010		0.0481	0.0500	0	96.2	75	125	05/24/2024
Chromium		0.0015		0.191	0.2000	0.001323	95.1	75	125	05/24/2024
Cobalt		0.0010		0.546	0.5000	0.0003330	109.1	75	125	05/23/2024
Lead		0.0010		0.578	0.5000	0.0007620	115.5	75	125	05/23/2024
Lithium	*	0.0030		0.567	0.5000	0	113.4	75	125	05/23/2024
Molybdenum		0.0015		0.553	0.5000	0	110.6	75	125	05/23/2024
Selenium		0.0010		0.573	0.5000	0	114.6	75	125	05/23/2024
Thallium		0.0020		0.272	0.2500	0	108.7	75	125	05/23/2024



Quality Control Results

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Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

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

Batch 223268		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24050124-013BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.538	0.5000	0.0004531	107.5	0.5396	0.33	05/24/2024
Arsenic		0.0010		0.491	0.5000	0.0004352	98.1	0.5751	15.79	05/23/2024
Barium		0.0010		1.94	2.000	0.03586	95.4	1.959	0.73	05/24/2024
Beryllium		0.0010		0.0491	0.0500	0	98.1	0.05892	18.28	05/23/2024
Boron		0.0250		2.25	0.5000	1.838	82.9	2.209	1.93	05/24/2024
Cadmium	*	0.0010		0.0478	0.0500	0	95.7	0.04811	0.57	05/24/2024
Chromium		0.0015		0.192	0.2000	0.001323	95.4	0.1915	0.29	05/24/2024
Cobalt		0.0010		0.464	0.5000	0.0003330	92.8	0.5460	16.19	05/23/2024
Lead		0.0010		0.476	0.5000	0.0007620	95.0	0.5784	19.47	05/23/2024
Lithium	*	0.0030		0.478	0.5000	0	95.7	0.5670	16.93	05/23/2024
Molybdenum		0.0015		0.467	0.5000	0	93.5	0.5529	16.77	05/23/2024
Selenium		0.0010		0.494	0.5000	0	98.9	0.5732	14.76	05/23/2024
Thallium		0.0020		0.232	0.2500	0	92.8	0.2718	15.79	05/23/2024

Batch 223273		SampType: MBLK		Units mg/L						
SampleID: MBLK-223273										
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	05/24/2024
Antimony		0.0010	S	0.0025	0.0004	0	558.7	-100	100	05/23/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	05/23/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	05/23/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	05/23/2024
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	05/23/2024
Cadmium	*	0.0010		< 0.0010	0.0001	0	0	-100	100	05/23/2024
Cadmium	*	0.0010		< 0.0010	0.0001	0	0	-100	100	05/23/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	05/23/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	05/23/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	05/23/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	05/23/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	05/23/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	05/23/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	05/23/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	05/23/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	05/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

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

Batch 223273 SampType: LCS Units mg/L

SampID: LCS-223273

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	0.534	0.5000	0	106.9	80	120	05/23/2024
Arsenic		0.0010		0.482	0.5000	0	96.3	80	120	05/23/2024
Barium		0.0010		1.93	2.000	0	96.5	80	120	05/23/2024
Beryllium		0.0010		0.0502	0.0500	0	100.4	80	120	05/23/2024
Boron		0.0250		0.490	0.5000	0	97.9	80	120	05/23/2024
Cadmium	*	0.0010		0.0515	0.0500	0	103.0	80	120	05/23/2024
Cadmium	*	0.0010		0.0515	0.0500	0	103.0	85	115	05/23/2024
Chromium		0.0015		0.202	0.2000	0	100.9	80	120	05/23/2024
Cobalt		0.0010		0.481	0.5000	0	96.3	80	120	05/23/2024
Lead		0.0010		0.483	0.5000	0	96.5	80	120	05/23/2024
Lead		0.0010		0.483	0.5000	0	96.5	85	115	05/23/2024
Lithium	*	0.0030		0.494	0.5000	0	98.8	80	120	05/23/2024
Molybdenum		0.0015		0.453	0.5000	0	90.5	80	120	05/23/2024
Selenium		0.0010		0.503	0.5000	0	100.7	85	115	05/23/2024
Selenium		0.0010		0.503	0.5000	0	100.7	80	120	05/23/2024
Thallium		0.0020		0.233	0.2500	0	93.0	80	120	05/23/2024

Batch 223273 SampType: MS Units mg/L

SampID: 24050124-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	0.527	0.5000	0	105.4	75	125	05/23/2024
Arsenic		0.0010		0.489	0.5000	0.003160	97.1	75	125	05/23/2024
Barium		0.0010		2.20	2.000	0.2036	100.0	75	125	05/23/2024
Beryllium		0.0010		0.0489	0.0500	0	97.8	75	125	05/23/2024
Boron		0.0250		0.673	0.5000	0.2560	83.4	75	125	05/23/2024
Cadmium	*	0.0010		0.0512	0.0500	0	102.5	75	125	05/23/2024
Chromium		0.0015		0.193	0.2000	0	96.7	75	125	05/23/2024
Cobalt		0.0010		0.461	0.5000	0.001293	92.0	75	125	05/23/2024
Lead		0.0010		0.479	0.5000	0	95.8	75	125	05/23/2024
Lithium	*	0.0030		0.475	0.5000	0.003433	94.4	75	125	05/23/2024
Molybdenum		0.0015		0.459	0.5000	0.0007189	91.7	75	125	05/23/2024
Selenium		0.0010		0.499	0.5000	0	99.7	75	125	05/23/2024
Thallium		0.0020		0.233	0.2500	0	93.3	75	125	05/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

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

Batch 223273		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24050124-018BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	0.533	0.5000	0	106.6	0.5271	1.10	05/23/2024
Arsenic		0.0010		0.480	0.5000	0.003160	95.4	0.4887	1.77	05/23/2024
Barium		0.0010		2.20	2.000	0.2036	100.0	2.203	0.01	05/23/2024
Beryllium		0.0010		0.0493	0.0500	0	98.7	0.04888	0.96	05/23/2024
Boron		0.0250		0.671	0.5000	0.2560	82.9	0.6733	0.39	05/23/2024
Cadmium	*	0.0010		0.0516	0.0500	0	103.1	0.05124	0.61	05/23/2024
Chromium		0.0015		0.193	0.2000	0	96.3	0.1935	0.39	05/23/2024
Cobalt		0.0010		0.463	0.5000	0.001293	92.4	0.4612	0.47	05/23/2024
Lead		0.0010		0.468	0.5000	0	93.7	0.4788	2.19	05/23/2024
Lithium	*	0.0030		0.472	0.5000	0.003433	93.8	0.4753	0.60	05/23/2024
Molybdenum		0.0015		0.451	0.5000	0.0007189	90.1	0.4595	1.77	05/23/2024
Selenium		0.0010		0.491	0.5000	0	98.3	0.4986	1.47	05/23/2024
Thallium		0.0020		0.228	0.2500	0	91.2	0.2331	2.23	05/23/2024

Batch 223273		SampType: MS		Units mg/L						
SampID: 24051286-001DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0010		0.547	0.5000	0.001503	109.0	70	130	05/23/2024

Batch 223273		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24051286-001DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Selenium		0.0010		0.523	0.5000	0.001503	104.3	0.5466	4.41	05/23/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

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

Batch 223769		SampType: MBLK		Units mg/L							
SampID: MBLK-223769											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	06/04/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	06/04/2024	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	06/05/2024	
Cadmium	*	0.0010		< 0.0010	0.0001	0	0	-100	100	06/04/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	06/04/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	06/04/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	06/05/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	06/04/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	06/04/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	06/04/2024	

Batch 223769		SampType: LCS		Units mg/L						
SampID: LCS-223769										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		0.480	0.5000	0	96.0	80	120	06/04/2024
Barium		0.0010		1.90	2.000	0	95.1	80	120	06/04/2024
Boron		0.0250		0.473	0.5000	0	94.6	80	120	06/05/2024
Cadmium	*	0.0010		0.0477	0.0500	0	95.3	80	120	06/04/2024
Cobalt		0.0010		0.462	0.5000	0	92.4	80	120	06/04/2024
Lead		0.0010		0.468	0.5000	0	93.6	80	120	06/04/2024
Lithium	*	0.0030		0.495	0.5000	0	99.0	80	120	06/05/2024
Molybdenum		0.0015		0.430	0.5000	0	86.0	80	120	06/04/2024
Selenium		0.0010		0.482	0.5000	0	96.4	80	120	06/04/2024
Thallium		0.0020		0.201	0.2500	0	80.5	80	120	06/05/2024

Batch 223769		SampType: MS		Units mg/L							
SampID: 24052446-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Selenium		0.0010		0.479	0.5000	0	95.8	70	130	06/04/2024	

Batch 223769		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24052446-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium			0.0010		0.474	0.5000	0	94.8	0.4791	1.04	06/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

SW-846 7470A (TOTAL)

Batch 223499		SampType: MBLK		Units mg/L							
SampID: MBLK-223499											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	05/28/2024	

Batch 223499		SampType: LCS		Units mg/L							
SampID: LCS-223499											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00486	0.0050	0	97.3	85	115	05/28/2024	

Batch 223499		SampType: MS		Units mg/L							
SampID: 24050124-001BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00468	0.0050	0.00005940	92.4	75	125	05/28/2024	

Batch 223499		SampType: MSD		Units mg/L				RPD Limit 15				
SampID: 24050124-001BMSD												Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Mercury			0.00020		0.00463	0.0050	0.00005940	91.5	0.004678	0.94	05/28/2024	

Batch 223499		SampType: MS		Units mg/L							
SampID: 24050124-005BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.00020		0.00463	0.0050	0.00008830	90.8	75	125	05/28/2024	

Batch 223499		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00445	0.0050	0.00008830	87.1	0.004628	4.03	05/28/2024

Batch 223500		SampType: MBLK		Units mg/L							
SampID: MBLK-223500											
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	05/29/2024	

Batch 223500		SampType: LCS		Units mg/L							
SampID: LCS-223500											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00469	0.0050	0	93.7	85	115	05/29/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

SW-846 7470A (TOTAL)

Batch 223500		SampType: MS		Units mg/L							
SampID: 24050124-020BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00441	0.0050	0	88.1	75	125	05/29/2024	

Batch 223500		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-020BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00432	0.0050	0	86.4	0.004406	1.97	05/29/2024	

Batch 223500		SampType: MS		Units mg/L						
SampID: 24050124-026BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00466	0.0050	0	93.2	75	125	05/29/2024

Batch 223500		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050124-026BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00450	0.0050	0	89.9	0.004660	3.56	05/29/2024	



Receiving Check List

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

Client: Ramboll

Work Order: 24050124

Client Project: KIN-24Q2

Report Date: 06-Jun-24

Carrier: Tracy Carroll

Received By: PRS

Completed by:

Reviewed by:

On:

On:

21-May-24

21-May-24

Paul Schultz

Ellie Hopkins

Pages to follow:

Chain of custody

4

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C 8.7

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.

Samples were received on 5/20/2024 at 18:03 on ice [8.7C - LTG#5]. - pschultz - 5/21/2024 8:29:10 AM

pH strip #96651. LH - pschultz - 5/21/2024 8:29:13 AM

Additional Nitric Acid (97737) was needed in MW-05 and MW-12 upon arrival at the laboratory. LH - pschultz - 5/21/2024 8:29:16 AM

Samples were received on 5/21/2024 at 14:15 on ice [4.3C - LTG#7]. - pschultz - 5/21/2024 2:57:50 PM

pH strip #96651. - pschultz - 5/21/2024 2:58:03 PM

Additional Nitric Acid (97737) was needed in MW-27 and MW-31S upon arrival at the laboratory. - pschultz - 5/21/2024 2:58:05 PM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 199 IL 104 Kincaid, IL 62540		Copy To: Tim Arnold		Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com		Purchase Order No.:		Address: see Section A			
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		Site Location	
Requested Due Date/TAT: 10 day		Project Number:		Project Manager: Liz Hurley		STATE: IL	
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Drinking Water	WATER							WASTE WATER	PRODUCT	SOL/SOLID	SL	CL	WP	AR	OT		TS	AIR	OTHER	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	KIN-257-141	KIN-845-141	KIN-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Added HNO₃ (97337) to MW05 & MW12
PH 9.651 LHA/PS 5/21

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Code (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin G. Kelly					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 5-20-24					

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

Page: 2 of 2

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q2 Rev 0	James Carroll	5/20/24	1803	Raul Gomez	5/20/24	1803		>	z	

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: <i>Justin Cobb</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>Feb-24</i>				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 199 IL 104		Copy To: Tim Arnold		Company Name: Vistra Corp			
Kincaid, IL 62540				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley		STATE: IL	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WASTE WATER WW PRODUCT SOIL/SOLID SL OIL WP WIPE AR AIR OT 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 Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		KIN-257-141	KIN-845-141	KIN-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

PHW 94651
Added HNO₃ (97737) to MW27
+ MW315
PS 5/21

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Colp		DATE Signed (MM/DD/YYYY): 5-21-24	
SIGNATURE of SAMPLER: [Signature]			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

Page: 2 of 2

[illegible]

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:	DATE Signed (MM/DD/YY)				
SIGNATURE of SAMPLER:					

June 19, 2024

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



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: KIN-24Q2

WorkOrder: 24050125

Dear Eric Bauer:

TEKLAB, INC received 25 samples on 5/21/2024 2:15:00 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



Report Contents

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

Client: Ramboll

Work Order: 24050125

Client Project: KIN-24Q2

Report Date: 19-Jun-24

This reporting package includes the following:

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Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24050125

Client Project: KIN-24Q2

Report Date: 19-Jun-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: 24050125

Client Project: KIN-24Q2

Report Date: 19-Jun-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24050125

Client Project: KIN-24Q2

Report Date: 19-Jun-24

Cooler Receipt Temp: 8.7 °C

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

MW-08S could not be collected; the well was dry. Equipment Blanks 2 and 3 were not needed.

MW-27 and MW-30 collection time per field file(s). FB/EAH 5/22/24

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

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

Client: Ramboll

Work Order: 24050125

Client Project: KIN-24Q2

Report Date: 19-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	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		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-001
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-01
Collection Date: 05/20/2024 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:18	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-002
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24

Client Sample ID: MW-02

Collection Date: 05/20/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:18	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-003
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-03
Collection Date: 05/20/2024 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:18	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-004
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-05
Collection Date: 05/20/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:18	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-005
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-06
Collection Date: 05/20/2024 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:18	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-006
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-07
Collection Date: 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:18	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-007
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-07S
Collection Date: 05/20/2024 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:18	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-008
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-08
Collection Date: 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-010
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-11
Collection Date: 05/20/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-011
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-12
Collection Date: 05/20/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-012
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-20
Collection Date: 05/20/2024 12:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-013
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-20S
Collection Date: 05/21/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-014
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-23
Collection Date: 05/20/2024 10:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-015
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-27
Collection Date: 05/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-016
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-28
Collection Date: 05/20/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-017
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-30
Collection Date: 05/20/2024 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:11	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-018
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-31
Collection Date: 05/21/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:12	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-019
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-31S
Collection Date: 05/21/2024 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:12	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-020
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-32
Collection Date: 05/20/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 12:12	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-021
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: PZ4!A
Collection Date: 05/21/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/13/2024 14:13	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-022
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: PZ4!C
Collection Date: 05/21/2024 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/14/2024 11:49	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-023
Matrix: AQUEOUS

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: Field Blank
Collection Date: 05/21/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/14/2024 11:49	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-024
Matrix: GROUNDWATER

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: MW-08 Duplicate
Collection Date: 05/20/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/14/2024 11:49	R349025



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

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

Client: Ramboll
Client Project: KIN-24Q2
Lab ID: 24050125-025
Matrix: AQUEOUS

Work Order: 24050125
Report Date: 19-Jun-24
Client Sample ID: Equipment Blank 1
Collection Date: 05/21/2024 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/14/2024 11:49	R349025



Sample Summary

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

Client: Ramboll
Client Project: KIN-24Q2

Work Order: 24050125
Report Date: 19-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24050125-001	MW-01	Groundwater	1	05/20/2024 13:12
24050125-002	MW-02	Groundwater	1	05/20/2024 10:02
24050125-003	MW-03	Groundwater	1	05/20/2024 12:15
24050125-004	MW-05	Groundwater	1	05/20/2024 14:16
24050125-005	MW-06	Groundwater	1	05/20/2024 12:48
24050125-006	MW-07	Groundwater	1	05/20/2024 13:40
24050125-007	MW-07S	Groundwater	1	05/20/2024 14:31
24050125-008	MW-08	Groundwater	1	05/20/2024 13:42
24050125-009	MW-08S	Groundwater	1	05/20/2024 0:00
24050125-010	MW-11	Groundwater	1	05/20/2024 11:24
24050125-011	MW-12	Groundwater	1	05/20/2024 11:06
24050125-012	MW-20	Groundwater	1	05/20/2024 12:51
24050125-013	MW-20S	Groundwater	1	05/21/2024 10:09
24050125-014	MW-23	Groundwater	1	05/20/2024 10:50
24050125-015	MW-27	Groundwater	1	05/21/2024 12:11
24050125-016	MW-28	Groundwater	1	05/20/2024 11:56
24050125-017	MW-30	Groundwater	1	05/20/2024 15:03
24050125-018	MW-31	Groundwater	1	05/21/2024 10:53
24050125-019	MW-31S	Groundwater	1	05/21/2024 11:36
24050125-020	MW-32	Groundwater	1	05/20/2024 13:40
24050125-021	PZ4!A	Groundwater	1	05/21/2024 11:04
24050125-022	PZ4!C	Groundwater	1	05/21/2024 11:23
24050125-023	Field Blank	Aqueous	1	05/21/2024 11:31
24050125-024	MW-08 Duplicate	Groundwater	1	05/20/2024 13:42
24050125-025	Equipment Blank 1	Aqueous	1	05/21/2024 11:37



Receiving Check List

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

Client: Ramboll

Work Order: 24050125

Client Project: KIN-24Q2

Report Date: 19-Jun-24

Carrier: Tracy Carroll

Received By: PRS

Completed by:

Reviewed by:

On:

On:

21-May-24

21-May-24

Paul Schultz

Ellie Hopkins

Pages to follow:

Chain of custody

4

Extra pages included

34

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C **8.7**

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.

Samples were received on 5/20/2024 at 18:03 on ice [8.7C - LTG#5]. - pschultz - 5/21/2024 8:40:27 AM

pH strip #96651. LH pschultz - 5/21/2024 8:40:30 AM

Additional Nitric Acid (97737) was needed in MW-01, MW-02, MW-05, MW-06, MW-12, MW-20, MW-28, MW-30, and MW-32 upon arrival at the laboratory. LH - pschultz - 5/21/2024 8:40:36 AM

Samples were received on 5/21/2024 at 14:15 on ice [4.3C - LTG#7]. - pschultz - 5/21/2024 3:01:21 PM

pH strip #96651. - pschultz - 5/21/2024 3:01:23 PM

Additional Nitric Acid (97737) preservative was needed in MW-27, MW-31, and MW-31S upon arrival at the laboratory. - pschultz - 5/21/2024 3:01:25 PM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 199 IL 104		Copy To: Tim Arnold		Company Name: Vistra Corp			
Kincaid, IL 62540				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com		Purchase Order No.:		Quote Reference:		Site Location IL STATE:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley			
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLID/SOLID SL OIL WP WIPE AR AIR OT OTHER TS	MATRIX 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.			
				DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		KIN-257-141	KIN-845-141	KIN-SUP-000														
1	MW-01		WT G	5-20-24	1312		2									X	X																24050125-001
2	MW-02		WT G	5-20-24	1006		2									X	X																24050125-002
3	MW-03		WT G	5-20-24	1215		2									X	X																24050125-003
4	MW-05		WT G	5-20-24	1416		2									X	X																24050125-004
5	MW-06		WT G	5/20/24	1248		2									X	X																24050125-005
6	MW-07		WT G	5/20/24	1340		2									X	X																24050125-006
7	MW-07S		WT G	5/20/24	1431		2									X	X																24050125-007
8	MW-08		WT G	5-20-24	1342		2									X	X																24050125-008
9	MW-08S		WT G	5-20-24	Dr		2									X	X																24050125-009
10	MW-11		WT G	5-20-24	1124		2									X	X																24050125-010
11	MW-12		WT G	5/20/24	1106		2									X	X																24050125-011
12	MW-20		WT G	5-20-24	1251		2									X	X																24050125-012
13	MW-20S		WT G				2									X	X																24050125-013
14	MW-23		WT G	5-20-24	1050		2									X	X																24050125-014
15	MW-27		WT G				2									X	X																24050125-015
16	MW-28		WT G	5/20/24	1156		2									X	X																24050125-016
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																					
KIN-24Q2 Rev 0 Ra226/228, only.				Liz Hurley		5/20/24	1803	Liz Hurley		5/20/24	1803	2.7 > <																					
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: Justin Cooper																																	
SIGNATURE of SAMPLER: [Signature]																																	
												DATE Signed (MM/DD/YY): 5-20-24																					

Added H₂O₃ to MW-01, MW-02, MW-20,
MW-32, MW-30, MW-28, MW-05, MW-06
+ MW-12. pH 9.6651
LH/PS 5/21

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

Page: 2 of 2

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
KIN-24Q2 Rev 0 Ra226/228, only.	Juan Carlos	5/20/24	1803	Paul G. Kelly	5/20/24	1803		>	z	

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: <i>Litha Gb</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>5-20-24</i>				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2	
Company: Vistra Corp-Kincaid		Report To: Brian Voelker, Sam Davies		Attention: Brian Voelker, Tim Arnold		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 199 IL 104		Copy To: Tim Arnold		Company Name: Vistra Corp			
Kincaid, IL 62540				Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com Tim.Arnold@vistracorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager: Liz Hurley		STATE: IL	
Requested Due Date/TAT: 10 day		Project Number:		Profile #:			

ITEM #	Section D Required Client Information	Valid 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	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No. / Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		KIN-257-141	KIN-845-141	KIN-SUP-000												
1	MW-01	WT	G				2								X	X																24050125-001
2	MW-02	WT	G				2								X	X																24050125-002
3	MW-03	WT	G				2								X	X																24050125-003
4	MW-05	WT	G				2								X	X																24050125-004
5	MW-06	WT	G				2								X	X																24050125-005
6	MW-07	WT	G				2								X	X																24050125-006
7	MW-07S	WT	G				2								X	X																24050125-007
8	MW-08	WT	G				2								X	X																24050125-008
9	MW-08S	WT	G				2								X	X																24050125-009
10	MW-11	WT	G				2								X	X																24050125-010
11	MW-12	WT	G				2								X	X																24050125-011
12	MW-20	WT	G				2								X	X																24050125-012
13	MW-20S	WT	G		5-21-24	1009	2								X	X																24050125-013
14	MW-23	WT	G				2								X	X																24050125-014
15	MW-27	WT	G		5-21-24	1022	2								X	X																24050125-015
16	MW-28	WT	G				2								X	X																24050125-016
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																		
KIN-24Q2 Rev 0 Ra226/228, only.				J Colp		5/21	1415	[Signature]				5/24/24	1415	LIC7 4.3																		
SAMPLER NAME AND SIGNATURE								Temp in °C		Received on		Custody		Sealed		Cooler (Y/N)		Samples														
PRINT Name of SAMPLER: Justin Colp								DATE Signed (MM/DD/YY): 5-21-24		Received on		Custody		Sealed		Cooler (Y/N)		Samples														
SIGNATURE of SAMPLER: [Signature]																																

PH 96651
Added HNO₃ to MW27, MW31, MW31S
(97737)
PSS/21

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

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

Page: 2 of 2

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/19/2024 4:17:22 PM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
24050125

JOB NUMBER

160-54144-1

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
6/19/2024 4:17:22 PM
Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54144-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24050125

Report Number: 160-54144-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Revision

The report being provided is a revision of the original report sent on 6/19/2024. The report (revision 1) is being revised in order to update an incorrect collection date. Sample 24050125-020 had a collection date of 5/20/2024, rather than 5/21/2024.

Receipt

The samples were received on 5/22/2024 12:02 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 19.7°C and 20.4°C.

The client provided an updated chain-of-custody (COC) with corrected collection times for two samples. A revised COC is included in the report with the original.

Method 903.0 - Radium-226 (GFPC)

Samples 24050125-001 (160-54144-1), 24050125-002 (160-54144-2), 24050125-003 (160-54144-3), 24050125-004 (160-54144-4), 24050125-005 (160-54144-5), 24050125-006 (160-54144-6), 24050125-007 (160-54144-7), 24050125-008 (160-54144-8), 24050125-010 (160-54144-9), 24050125-011 (160-54144-10), 24050125-012 (160-54144-11), 24050125-013 (160-54144-12), 24050125-014 (160-54144-13), 24050125-015 (160-54144-14), 24050125-016 (160-54144-15), 24050125-017 (160-54144-16), 24050125-018 (160-54144-17), 24050125-019 (160-54144-18), 24050125-020 (160-54144-19), 24050125-021

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54144-1 (Continued)

Eurofins St. Louis

(160-54144-20), 24050125-022 (160-54144-21), 24050125-023 (160-54144-22), 24050125-024 (160-54144-23) and 24050125-025 (160-54144-24) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/23/2024 and analyzed on 6/15/2024, 6/17/2024 and 6/18/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)

Samples 24050125-001 (160-54144-1), 24050125-002 (160-54144-2), 24050125-003 (160-54144-3), 24050125-004 (160-54144-4), 24050125-005 (160-54144-5), 24050125-006 (160-54144-6), 24050125-007 (160-54144-7), 24050125-008 (160-54144-8), 24050125-010 (160-54144-9), 24050125-011 (160-54144-10), 24050125-012 (160-54144-11), 24050125-013 (160-54144-12), 24050125-014 (160-54144-13), 24050125-015 (160-54144-14), 24050125-016 (160-54144-15), 24050125-017 (160-54144-16), 24050125-018 (160-54144-17), 24050125-019 (160-54144-18), 24050125-020 (160-54144-19), 24050125-021 (160-54144-20), 24050125-022 (160-54144-21), 24050125-023 (160-54144-22), 24050125-024 (160-54144-23) and 24050125-025 (160-54144-24) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/23/2024 and analyzed on 6/13/2024 and 6/14/2024.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 24050125-001 (160-54144-1) . 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.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24050125-001 (160-54144-1), 24050125-002 (160-54144-2), 24050125-003 (160-54144-3), 24050125-004 (160-54144-4), 24050125-005 (160-54144-5), 24050125-006 (160-54144-6), 24050125-007 (160-54144-7), 24050125-008 (160-54144-8), 24050125-010 (160-54144-9), 24050125-011 (160-54144-10), 24050125-012 (160-54144-11), 24050125-013 (160-54144-12), 24050125-014 (160-54144-13), 24050125-015 (160-54144-14), 24050125-016 (160-54144-15), 24050125-017 (160-54144-16), 24050125-018 (160-54144-17), 24050125-019 (160-54144-18), 24050125-020 (160-54144-19), 24050125-021 (160-54144-20), 24050125-022 (160-54144-21), 24050125-023 (160-54144-22), 24050125-024 (160-54144-23) and 24050125-025 (160-54144-24) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/18/2024 and 6/19/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: Teklab Sampling TeamQC Level: 2

Project#

24050125

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standad TAT

Billing/PO: 36249

Phone: 618 344-1004 ext. 33

Comments: **Please issue reports and invoices via email only**

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24050125-001	5/20/2024 13:12	HNO3	Groundwater
	24050125-002	5/20/2024 10:02	HNO3	Groundwater
	24050125-003	5/20/2024 12:15	HNO3	Groundwater
	24050125-004	5/20/2024 14:16	HNO3	Groundwater
	24050125-005	5/20/2024 12:48	HNO3	Groundwater
	24050125-006	5/20/2024 13:40	HNO3	Groundwater
	24050125-007	5/20/2024 14:31	HNO3	Groundwater
	24050125-008	5/20/2024 13:42	HNO3	Groundwater
	24050125-010	5/20/2024 11:24	HNO3	Groundwater
	24050125-011	5/20/2024 11:06	HNO3	Groundwater
	24050125-012	5/20/2024 12:51	HNO3	Groundwater

Ra226/228 ☒ Radium 226 ☒ Radium 228 ☒

160-54144 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>	5/21/24 11:04	<i>John Hurley</i>	5/21/24 11:04
<i>John Hurley</i>	5/22/24		5/22/24 12:02

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCorRevA
3/2/2015

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled?		YES	☐	NO	☒	With:	☐ Ice	☐ Blue Ice	Preserved in:	☐ Lab	☐ Field	
Teklab Inc 5445 Horseshoe Lake Road Collinsville, IL 62234						Cooler Temp:		Sampler:	Teklab Sampling Team	QC Level:	2	
Project#						24050125	Comments: Please Issue reports and invoices via email only Please analyze for Radium 226/228 per standard GW methods (Vistra project). Changes to methods must be approved by Teklab, Inc. Batch QC is required for all analyses requested. Excel EDD requested. IL site.					
Contact:						Elizabeth Hurley Standad TAT		ehurley@teklabinc.com 36249		618 344-1004 ext. 33		
Requested Due Date:												

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24050125-024	5/20/2024 13:42	HNO3	Groundwater ▶
	24050125-025	5/21/2024 11:37	HNO3	Aqueous ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶
			HNO3	Other ▶

Radium 228 Radium 226 Ra226/228

✓ ✓

NELAP accreditation is required on the requested analytes and must be documented as such on the final report.
If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes,
please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any
analyte/method during the life of the contract, you must contact Teklab immediately.

Relinquished By	Date/Time	Received By	Date/Time
<i>Wendy G. [Signature]</i>	5/21/24 / 1624	<i>[Signature]</i>	5.22.24 / 1604
<i>[Signature]</i>	5.22.24 /		204 12/21/15

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54144-1

SDG Number: 24050125

Login Number: 54144

List Number: 1

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

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 2, 2024
KINCAID POWER PLANT, ASH POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54144-1
SDG: 24050125

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

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-54144-1
SDG: 24050125

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54144-1	24050125-001	Water	05/20/24 13:12	05/22/24 12:02
160-54144-2	24050125-002	Water	05/20/24 10:02	05/22/24 12:02
160-54144-3	24050125-003	Water	05/20/24 12:15	05/22/24 12:02
160-54144-4	24050125-004	Water	05/20/24 14:16	05/22/24 12:02
160-54144-5	24050125-005	Water	05/20/24 12:48	05/22/24 12:02
160-54144-6	24050125-006	Water	05/20/24 13:40	05/22/24 12:02
160-54144-7	24050125-007	Water	05/20/24 14:31	05/22/24 12:02
160-54144-8	24050125-008	Water	05/20/24 13:42	05/22/24 12:02
160-54144-9	24050125-010	Water	05/20/24 11:24	05/22/24 12:02
160-54144-10	24050125-011	Water	05/20/24 11:06	05/22/24 12:02
160-54144-11	24050125-012	Water	05/20/24 12:51	05/22/24 12:02
160-54144-12	24050125-013	Water	05/21/24 10:09	05/22/24 12:02
160-54144-13	24050125-014	Water	05/20/24 10:50	05/22/24 12:02
160-54144-14	24050125-015	Water	05/21/24 12:11	05/22/24 12:02
160-54144-15	24050125-016	Water	05/20/24 11:56	05/22/24 12:02
160-54144-16	24050125-017	Water	05/20/24 15:03	05/22/24 12:02
160-54144-17	24050125-018	Water	05/21/24 10:53	05/22/24 12:02
160-54144-18	24050125-019	Water	05/21/24 11:36	05/22/24 12:02
160-54144-19	24050125-020	Water	05/20/24 13:40	05/22/24 12:02
160-54144-20	24050125-021	Water	05/21/24 11:04	05/22/24 12:02
160-54144-21	24050125-022	Water	05/21/24 11:23	05/22/24 12:02
160-54144-22	24050125-023	Water	05/21/24 11:31	05/22/24 12:02
160-54144-23	24050125-024	Water	05/20/24 13:42	05/22/24 12:02
160-54144-24	24050125-025	Water	05/21/24 11:37	05/22/24 12:02

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-001

Lab Sample ID: 160-54144-1

Date Collected: 05/20/24 13:12

Matrix: Water

Date Received: 05/22/24 12:02

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	0.714		0.262	0.269	1.00	0.270	pCi/L	05/23/24 08:27	06/18/24 09:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					05/23/24 08:27	06/18/24 09:49	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	1.03	U G	0.728	0.734	1.00	1.10	pCi/L	05/23/24 08:31	06/13/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					05/23/24 08:31	06/13/24 12:18	1
Y Carrier	85.2		30 - 110					05/23/24 08:31	06/13/24 12:18	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	1.75		0.774	0.782	5.00	1.10	pCi/L		06/19/24 00:29	1

Client Sample ID: 24050125-002

Lab Sample ID: 160-54144-2

Date Collected: 05/20/24 10:02

Matrix: Water

Date Received: 05/22/24 12:02

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	0.0864	U	0.0824	0.0828	1.00	0.121	pCi/L	05/23/24 08:27	06/18/24 09:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/23/24 08:27	06/18/24 09:50	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	0.548	U	0.464	0.466	1.00	0.725	pCi/L	05/23/24 08:31	06/13/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/23/24 08:31	06/13/24 12:18	1
Y Carrier	83.7		30 - 110					05/23/24 08:31	06/13/24 12:18	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	0.634	U	0.471	0.473	5.00	0.725	pCi/L		06/19/24 00:29	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-003

Lab Sample ID: 160-54144-3

Date Collected: 05/20/24 12:15

Matrix: Water

Date Received: 05/22/24 12:02

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	0.156		0.0935	0.0945	1.00	0.118	pCi/L	05/23/24 08:27	06/18/24 09:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/23/24 08:27	06/18/24 09:50	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	0.480	U	0.375	0.377	1.00	0.576	pCi/L	05/23/24 08:31	06/13/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/23/24 08:31	06/13/24 12:18	1
Y Carrier	78.9		30 - 110					05/23/24 08:31	06/13/24 12:18	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	0.635		0.386	0.389	5.00	0.576	pCi/L		06/19/24 00:29	1

Client Sample ID: 24050125-004

Lab Sample ID: 160-54144-4

Date Collected: 05/20/24 14:16

Matrix: Water

Date Received: 05/22/24 12:02

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	0.183		0.131	0.132	1.00	0.182	pCi/L	05/23/24 08:27	06/18/24 09:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					05/23/24 08:27	06/18/24 09:51	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	-0.0930	U	0.383	0.383	1.00	0.756	pCi/L	05/23/24 08:31	06/13/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					05/23/24 08:31	06/13/24 12:18	1
Y Carrier	86.4		30 - 110					05/23/24 08:31	06/13/24 12:18	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	0.183	U	0.405	0.405	5.00	0.756	pCi/L		06/19/24 00:29	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-005

Lab Sample ID: 160-54144-5

Date Collected: 05/20/24 12:48

Matrix: Water

Date Received: 05/22/24 12:02

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	-0.0216	U	0.0387	0.0388	1.00	0.105	pCi/L	05/23/24 08:27	06/18/24 09:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/23/24 08:27	06/18/24 09:51	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	0.605	U	0.413	0.417	1.00	0.626	pCi/L	05/23/24 08:31	06/13/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/23/24 08:31	06/13/24 12:18	1
Y Carrier	84.1		30 - 110					05/23/24 08:31	06/13/24 12:18	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	0.605	U	0.415	0.419	5.00	0.626	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-006

Lab Sample ID: 160-54144-6

Date Collected: 05/20/24 13:40

Matrix: Water

Date Received: 05/22/24 12:02

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	0.201		0.103	0.105	1.00	0.108	pCi/L	05/23/24 08:27	06/18/24 09:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.5		30 - 110					05/23/24 08:27	06/18/24 09:51	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	0.183	U	0.367	0.368	1.00	0.641	pCi/L	05/23/24 08:31	06/13/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.5		30 - 110					05/23/24 08:31	06/13/24 12:18	1
Y Carrier	78.5		30 - 110					05/23/24 08:31	06/13/24 12:18	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	0.384	U	0.381	0.383	5.00	0.641	pCi/L		06/19/24 13:53	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-007

Lab Sample ID: 160-54144-7

Date Collected: 05/20/24 14:31

Matrix: Water

Date Received: 05/22/24 12:02

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	0.0157	U	0.0508	0.0508	1.00	0.101	pCi/L	05/23/24 08:27	06/18/24 09:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/23/24 08:27	06/18/24 09:51	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	0.573	U	0.464	0.467	1.00	0.732	pCi/L	05/23/24 08:31	06/13/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/23/24 08:31	06/13/24 12:18	1
Y Carrier	83.0		30 - 110					05/23/24 08:31	06/13/24 12:18	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	0.589	U	0.467	0.470	5.00	0.732	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-008

Lab Sample ID: 160-54144-8

Date Collected: 05/20/24 13:42

Matrix: Water

Date Received: 05/22/24 12:02

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	0.00202	U	0.0599	0.0599	1.00	0.128	pCi/L	05/23/24 08:27	06/18/24 09:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					05/23/24 08:27	06/18/24 09:51	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	0.120	U	0.387	0.387	1.00	0.687	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	81.1		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.122	U	0.392	0.392	5.00	0.687	pCi/L		06/19/24 13:53	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-010

Lab Sample ID: 160-54144-9

Date Collected: 05/20/24 11:24

Matrix: Water

Date Received: 05/22/24 12:02

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	0.0764	U	0.0812	0.0815	1.00	0.129	pCi/L	05/23/24 08:27	06/18/24 14:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					05/23/24 08:27	06/18/24 14:46	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	0.511	U	0.357	0.360	1.00	0.534	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	81.9		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.588		0.366	0.369	5.00	0.534	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-011

Lab Sample ID: 160-54144-10

Date Collected: 05/20/24 11:06

Matrix: Water

Date Received: 05/22/24 12:02

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	0.205		0.101	0.102	1.00	0.112	pCi/L	05/23/24 08:27	06/18/24 14:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/23/24 08:27	06/18/24 14:46	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	0.671		0.384	0.389	1.00	0.555	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	82.6		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.876		0.397	0.402	5.00	0.555	pCi/L		06/19/24 13:53	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-012

Date Collected: 05/20/24 12:51

Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-11

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	0.0719	U	0.0761	0.0763	1.00	0.119	pCi/L	05/23/24 08:27	06/18/24 14:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					05/23/24 08:27	06/18/24 14:46	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	0.545	U	0.391	0.394	1.00	0.591	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	81.1		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.617		0.398	0.401	5.00	0.591	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-013

Date Collected: 05/21/24 10:09

Date Received: 05/22/24 12:02

Lab Sample ID: 160-54144-12

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	0.111	U	0.0840	0.0846	1.00	0.117	pCi/L	05/23/24 08:27	06/18/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/23/24 08:27	06/18/24 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	0.0608	U	0.287	0.287	1.00	0.523	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	83.0		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.172	U	0.299	0.299	5.00	0.523	pCi/L		06/19/24 13:53	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-014

Lab Sample ID: 160-54144-13

Date Collected: 05/20/24 10:50

Matrix: Water

Date Received: 05/22/24 12:02

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	-0.0256	U	0.0556	0.0556	1.00	0.135	pCi/L	05/23/24 08:27	06/18/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.8		30 - 110					05/23/24 08:27	06/18/24 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	-0.00753	U	0.312	0.312	1.00	0.590	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.8		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	86.4		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.000	U	0.317	0.317	5.00	0.590	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-015

Lab Sample ID: 160-54144-14

Date Collected: 05/21/24 12:11

Matrix: Water

Date Received: 05/22/24 12:02

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	0.371		0.180	0.183	1.00	0.216	pCi/L	05/23/24 08:27	06/18/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					05/23/24 08:27	06/18/24 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	1.29		0.654	0.665	1.00	0.919	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	78.1		30 - 110					05/23/24 08:31	06/13/24 12:11	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	1.66		0.678	0.690	5.00	0.919	pCi/L		06/19/24 13:53	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-016

Lab Sample ID: 160-54144-15

Date Collected: 05/20/24 11:56

Matrix: Water

Date Received: 05/22/24 12:02

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	0.0327	U	0.0605	0.0606	1.00	0.109	pCi/L	05/23/24 08:27	06/18/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					05/23/24 08:27	06/18/24 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	0.0957	U	0.264	0.265	1.00	0.475	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	83.7		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.128	U	0.271	0.272	5.00	0.475	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-017

Lab Sample ID: 160-54144-16

Date Collected: 05/20/24 15:03

Matrix: Water

Date Received: 05/22/24 12:02

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	0.245		0.151	0.152	1.00	0.212	pCi/L	05/23/24 08:27	06/18/24 14:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.5		30 - 110					05/23/24 08:27	06/18/24 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	0.167	U	0.415	0.415	1.00	0.730	pCi/L	05/23/24 08:31	06/13/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.5		30 - 110					05/23/24 08:31	06/13/24 12:11	1
Y Carrier	81.1		30 - 110					05/23/24 08:31	06/13/24 12:11	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	0.412	U	0.442	0.442	5.00	0.730	pCi/L		06/19/24 13:53	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-018

Lab Sample ID: 160-54144-17

Date Collected: 05/21/24 10:53

Matrix: Water

Date Received: 05/22/24 12:02

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	0.161		0.106	0.107	1.00	0.148	pCi/L	05/23/24 08:27	06/18/24 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					05/23/24 08:27	06/18/24 14:39	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	0.257	U	0.357	0.358	1.00	0.599	pCi/L	05/23/24 08:31	06/13/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					05/23/24 08:31	06/13/24 12:12	1
Y Carrier	85.6		30 - 110					05/23/24 08:31	06/13/24 12:12	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	0.419	U	0.372	0.374	5.00	0.599	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-019

Lab Sample ID: 160-54144-18

Date Collected: 05/21/24 11:36

Matrix: Water

Date Received: 05/22/24 12:02

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	0.206		0.119	0.121	1.00	0.158	pCi/L	05/23/24 08:27	06/18/24 14:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110					05/23/24 08:27	06/18/24 14:39	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	0.665		0.366	0.371	1.00	0.504	pCi/L	05/23/24 08:31	06/13/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110					05/23/24 08:31	06/13/24 12:12	1
Y Carrier	84.5		30 - 110					05/23/24 08:31	06/13/24 12:12	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	0.871		0.385	0.390	5.00	0.504	pCi/L		06/19/24 13:53	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-020

Lab Sample ID: 160-54144-19

Date Collected: 05/20/24 13:40

Matrix: Water

Date Received: 05/22/24 12:02

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	0.0207	U	0.0769	0.0769	1.00	0.147	pCi/L	05/23/24 08:27	06/18/24 14:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		30 - 110					05/23/24 08:27	06/18/24 14:50	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	0.266	U	0.436	0.437	1.00	0.743	pCi/L	05/23/24 08:31	06/13/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		30 - 110					05/23/24 08:31	06/13/24 12:12	1
Y Carrier	78.1		30 - 110					05/23/24 08:31	06/13/24 12:12	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	0.287	U	0.443	0.444	5.00	0.743	pCi/L		06/19/24 13:53	1

Client Sample ID: 24050125-021

Lab Sample ID: 160-54144-20

Date Collected: 05/21/24 11:04

Matrix: Water

Date Received: 05/22/24 12:02

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	0.190		0.103	0.104	1.00	0.128	pCi/L	05/23/24 08:27	06/18/24 14:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/23/24 08:27	06/18/24 14:50	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	0.303	U	0.534	0.534	1.00	0.909	pCi/L	05/23/24 08:31	06/13/24 14:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/23/24 08:31	06/13/24 14:13	1
Y Carrier	80.7		30 - 110					05/23/24 08:31	06/13/24 14:13	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	0.493	U	0.544	0.544	5.00	0.909	pCi/L		06/19/24 13:53	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-022

Lab Sample ID: 160-54144-21

Date Collected: 05/21/24 11:23

Matrix: Water

Date Received: 05/22/24 12:02

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	0.344		0.206	0.208	1.00	0.277	pCi/L	05/23/24 08:32	06/15/24 13:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					05/23/24 08:32	06/15/24 13:07	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	1.12		0.454	0.466	1.00	0.584	pCi/L	05/23/24 08:38	06/14/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					05/23/24 08:38	06/14/24 11:49	1
Y Carrier	78.9		30 - 110					05/23/24 08:38	06/14/24 11:49	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	1.47		0.499	0.510	5.00	0.584	pCi/L		06/18/24 22:53	1

Client Sample ID: 24050125-023

Lab Sample ID: 160-54144-22

Date Collected: 05/21/24 11:31

Matrix: Water

Date Received: 05/22/24 12:02

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	0.0347	U	0.118	0.118	1.00	0.226	pCi/L	05/23/24 08:32	06/15/24 13:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					05/23/24 08:32	06/15/24 13:07	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	0.206	U	0.344	0.344	1.00	0.586	pCi/L	05/23/24 08:38	06/14/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					05/23/24 08:38	06/14/24 11:49	1
Y Carrier	82.2		30 - 110					05/23/24 08:38	06/14/24 11:49	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	0.241	U	0.364	0.364	5.00	0.586	pCi/L		06/18/24 22:53	1

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Client Sample Results

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH PONDClient: TekLab, Inc
Project/Site: Radium-226 and Radium-228Job ID: 160-54144-1
SDG: 24050125

Client Sample ID: 24050125-024

Lab Sample ID: 160-54144-23

Date Collected: 05/20/24 13:42

Matrix: Water

Date Received: 05/22/24 12:02

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	-0.0329	U	0.0620	0.0621	1.00	0.152	pCi/L	05/23/24 08:32	06/17/24 14:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/23/24 08:32	06/17/24 14:40	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	0.0577	U	0.345	0.345	1.00	0.624	pCi/L	05/23/24 08:38	06/14/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/23/24 08:38	06/14/24 11:49	1
Y Carrier	80.7		30 - 110					05/23/24 08:38	06/14/24 11:49	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	0.0577	U	0.351	0.351	5.00	0.624	pCi/L		06/18/24 22:53	1

Client Sample ID: 24050125-025

Lab Sample ID: 160-54144-24

Date Collected: 05/21/24 11:37

Matrix: Water

Date Received: 05/22/24 12:02

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	0.0415	U	0.0751	0.0752	1.00	0.135	pCi/L	05/23/24 08:32	06/17/24 14:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					05/23/24 08:32	06/17/24 14:40	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	-0.00965	U	0.295	0.295	1.00	0.561	pCi/L	05/23/24 08:38	06/14/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					05/23/24 08:38	06/14/24 11:49	1
Y Carrier	83.0		30 - 110					05/23/24 08:38	06/14/24 11:49	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	0.0415	U	0.304	0.304	5.00	0.561	pCi/L		06/18/24 22:53	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-662994/1-A
Matrix: Water
Analysis Batch: 666740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662994

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.09701	U	0.0785	0.0790	1.00	0.113	pCi/L	05/23/24 08:27	06/18/24 09:49	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					05/23/24 08:27	06/18/24 09:49	1

Lab Sample ID: LCS 160-662994/2-A
Matrix: Water
Analysis Batch: 666740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662994

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.66		1.14	1.00	0.155	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	99.3		30 - 110							

Lab Sample ID: 160-54144-3 DU
Matrix: Water
Analysis Batch: 666740

Client Sample ID: 24050125-003
Prep Type: Total/NA
Prep Batch: 662994

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.156		0.03165	U	0.0740	1.00	0.136	pCi/L	0.73	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	82.5		30 - 110							

Lab Sample ID: MB 160-662997/1-A
Matrix: Water
Analysis Batch: 666556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662997

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.05741	U	0.117	0.118	1.00	0.265	pCi/L	05/23/24 08:32	06/15/24 13:14	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					05/23/24 08:32	06/15/24 13:14	1

Lab Sample ID: LCS 160-662997/2-A
Matrix: Water
Analysis Batch: 666556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662997

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.41		1.27	1.00	0.293	pCi/L	92	75 - 125

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
Job ID: 160-54144-1
SDG: 24050125

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-662997/2-A
Matrix: Water
Analysis Batch: 666556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662997

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	96.3		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-662995/1-A
Matrix: Water
Analysis Batch: 666174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662995

Analyte	MB	MB	Count	Total							
	Result	Qualifier	Uncert.	Uncert.	RL	MDC	Unit	Prepared	Analyzed	Dil	Fac
Radium-228	0.2287	U	(2σ+/-)	(2σ+/-)	1.00	0.483	pCi/L	05/23/24 08:31	06/13/24 12:18		1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil	Fac
Ba Carrier	95.5		30 - 110					05/23/24 08:31	06/13/24 12:18		1
Y Carrier	85.6		30 - 110					05/23/24 08:31	06/13/24 12:18		1

Lab Sample ID: LCS 160-662995/2-A
Matrix: Water
Analysis Batch: 666174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662995

Analyte	Spike	LCS	LCS	Total							
	Added	Result	Qual	Uncert.	RL	MDC	Unit	%Rec	%Rec	Limits	
Radium-228	8.85	8.690		(2σ+/-)	1.00	0.465	pCi/L	98	75 - 125		
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	99.3		30 - 110								
Y Carrier	81.9		30 - 110								

Lab Sample ID: 160-54144-3 DU
Matrix: Water
Analysis Batch: 666174

Client Sample ID: 24050125-003
Prep Type: Total/NA
Prep Batch: 662995

Analyte	Sample	Sample	DU	DU	Total						
	Result	Qual	Result	Qual	Uncert.	RL	MDC	Unit	RER	RER	Limit
Radium-228	0.480	U	0.5293	U	(2σ+/-)	1.00	0.628	pCi/L	0.06		1
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	82.5		30 - 110								
Y Carrier	80.0		30 - 110								

Lab Sample ID: MB 160-662998/1-A
Matrix: Water
Analysis Batch: 666365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662998

Analyte	MB	MB	Count	Total							
	Result	Qualifier	Uncert.	Uncert.	RL	MDC	Unit	Prepared	Analyzed	Dil	Fac
Radium-228	0.02706	U	(2σ+/-)	(2σ+/-)	1.00	0.479	pCi/L	05/23/24 08:38	06/14/24 11:42		1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-54144-1
SDG: 24050125

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-662998/1-A
Matrix: Water
Analysis Batch: 666365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 662998

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	82.6		30 - 110

Prepared	Analyzed	Dil Fac
05/23/24 08:38	06/14/24 11:42	1
05/23/24 08:38	06/14/24 11:42	1

Lab Sample ID: LCS 160-662998/2-A
Matrix: Water
Analysis Batch: 666363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 662998

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.85	9.640		1.31	1.00	0.544	pCi/L	109	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	96.3		30 - 110
Y Carrier	80.7		30 - 110

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-54144-1
SDG: 24050125

Rad

Prep Batch: 662994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-1	24050125-001	Total/NA	Water	PrecSep-21	
160-54144-2	24050125-002	Total/NA	Water	PrecSep-21	
160-54144-3	24050125-003	Total/NA	Water	PrecSep-21	
160-54144-4	24050125-004	Total/NA	Water	PrecSep-21	
160-54144-5	24050125-005	Total/NA	Water	PrecSep-21	
160-54144-6	24050125-006	Total/NA	Water	PrecSep-21	
160-54144-7	24050125-007	Total/NA	Water	PrecSep-21	
160-54144-8	24050125-008	Total/NA	Water	PrecSep-21	
160-54144-9	24050125-010	Total/NA	Water	PrecSep-21	
160-54144-10	24050125-011	Total/NA	Water	PrecSep-21	
160-54144-11	24050125-012	Total/NA	Water	PrecSep-21	
160-54144-12	24050125-013	Total/NA	Water	PrecSep-21	
160-54144-13	24050125-014	Total/NA	Water	PrecSep-21	
160-54144-14	24050125-015	Total/NA	Water	PrecSep-21	
160-54144-15	24050125-016	Total/NA	Water	PrecSep-21	
160-54144-16	24050125-017	Total/NA	Water	PrecSep-21	
160-54144-17	24050125-018	Total/NA	Water	PrecSep-21	
160-54144-18	24050125-019	Total/NA	Water	PrecSep-21	
160-54144-19	24050125-020	Total/NA	Water	PrecSep-21	
160-54144-20	24050125-021	Total/NA	Water	PrecSep-21	
MB 160-662994/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-662994/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54144-3 DU	24050125-003	Total/NA	Water	PrecSep-21	

Prep Batch: 662995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-1	24050125-001	Total/NA	Water	PrecSep_0	
160-54144-2	24050125-002	Total/NA	Water	PrecSep_0	
160-54144-3	24050125-003	Total/NA	Water	PrecSep_0	
160-54144-4	24050125-004	Total/NA	Water	PrecSep_0	
160-54144-5	24050125-005	Total/NA	Water	PrecSep_0	
160-54144-6	24050125-006	Total/NA	Water	PrecSep_0	
160-54144-7	24050125-007	Total/NA	Water	PrecSep_0	
160-54144-8	24050125-008	Total/NA	Water	PrecSep_0	
160-54144-9	24050125-010	Total/NA	Water	PrecSep_0	
160-54144-10	24050125-011	Total/NA	Water	PrecSep_0	
160-54144-11	24050125-012	Total/NA	Water	PrecSep_0	
160-54144-12	24050125-013	Total/NA	Water	PrecSep_0	
160-54144-13	24050125-014	Total/NA	Water	PrecSep_0	
160-54144-14	24050125-015	Total/NA	Water	PrecSep_0	
160-54144-15	24050125-016	Total/NA	Water	PrecSep_0	
160-54144-16	24050125-017	Total/NA	Water	PrecSep_0	
160-54144-17	24050125-018	Total/NA	Water	PrecSep_0	
160-54144-18	24050125-019	Total/NA	Water	PrecSep_0	
160-54144-19	24050125-020	Total/NA	Water	PrecSep_0	
160-54144-20	24050125-021	Total/NA	Water	PrecSep_0	
MB 160-662995/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-662995/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54144-3 DU	24050125-003	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-54144-1
SDG: 24050125

Rad

Prep Batch: 662997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-21	24050125-022	Total/NA	Water	PrecSep-21	
160-54144-22	24050125-023	Total/NA	Water	PrecSep-21	
160-54144-23	24050125-024	Total/NA	Water	PrecSep-21	
160-54144-24	24050125-025	Total/NA	Water	PrecSep-21	
MB 160-662997/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-662997/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 662998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54144-21	24050125-022	Total/NA	Water	PrecSep_0	
160-54144-22	24050125-023	Total/NA	Water	PrecSep_0	
160-54144-23	24050125-024	Total/NA	Water	PrecSep_0	
160-54144-24	24050125-025	Total/NA	Water	PrecSep_0	
MB 160-662998/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-662998/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-54144-1
SDG: 24050125

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-54144-1	24050125-001	89.5					
160-54144-2	24050125-002	93.3					
160-54144-3	24050125-003	90.0					
160-54144-3 DU	24050125-003	82.5					
160-54144-4	24050125-004	83.3					
160-54144-5	24050125-005	92.3					
160-54144-6	24050125-006	77.5					
160-54144-7	24050125-007	89.3					
160-54144-8	24050125-008	81.8					
160-54144-9	24050125-010	89.0					
160-54144-10	24050125-011	93.3					
160-54144-11	24050125-012	85.3					
160-54144-12	24050125-013	91.0					
160-54144-13	24050125-014	79.8					
160-54144-14	24050125-015	81.3					
160-54144-15	24050125-016	94.3					
160-54144-16	24050125-017	72.5					
160-54144-17	24050125-018	85.0					
160-54144-18	24050125-019	83.0					
160-54144-19	24050125-020	81.5					
160-54144-20	24050125-021	91.8					
160-54144-21	24050125-022	88.0					
160-54144-22	24050125-023	96.5					
160-54144-23	24050125-024	91.5					
160-54144-24	24050125-025	85.5					
LCS 160-662994/2-A	Lab Control Sample	99.3					
LCS 160-662997/2-A	Lab Control Sample	96.3					
MB 160-662994/1-A	Method Blank	95.5					
MB 160-662997/1-A	Method Blank	96.8					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-54144-1	24050125-001	89.5	85.2				
160-54144-2	24050125-002	93.3	83.7				
160-54144-3	24050125-003	90.0	78.9				
160-54144-3 DU	24050125-003	82.5	80.0				
160-54144-4	24050125-004	83.3	86.4				
160-54144-5	24050125-005	92.3	84.1				
160-54144-6	24050125-006	77.5	78.5				
160-54144-7	24050125-007	89.3	83.0				
160-54144-8	24050125-008	81.8	81.1				
160-54144-9	24050125-010	89.0	81.9				
160-54144-10	24050125-011	93.3	82.6				

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND

Job ID: 160-54144-1
SDG: 24050125

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)
160-54144-11	24050125-012	85.3	81.1
160-54144-12	24050125-013	91.0	83.0
160-54144-13	24050125-014	79.8	86.4
160-54144-14	24050125-015	81.3	78.1
160-54144-15	24050125-016	94.3	83.7
160-54144-16	24050125-017	72.5	81.1
160-54144-17	24050125-018	85.0	85.6
160-54144-18	24050125-019	83.0	84.5
160-54144-19	24050125-020	81.5	78.1
160-54144-20	24050125-021	91.8	80.7
160-54144-21	24050125-022	88.0	78.9
160-54144-22	24050125-023	96.5	82.2
160-54144-23	24050125-024	91.5	80.7
160-54144-24	24050125-025	85.5	83.0
LCS 160-662995/2-A	Lab Control Sample	99.3	81.9
LCS 160-662998/2-A	Lab Control Sample	96.3	80.7
MB 160-662995/1-A	Method Blank	95.5	85.6
MB 160-662998/1-A	Method Blank	96.8	82.6

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Site Sampling Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
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-01	Groundwater Sample	84.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
002	MW-02	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
003	MW-03	Groundwater Sample	82.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
004	MW-05	Groundwater Sample	85.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
005	MW-06	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
006	MW-07	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
007	MW-07S	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
008	MW-08	Groundwater Sample	85.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
009	MW-08S	Groundwater Sample	80.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
010	MW-11	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
011	MW-12	Groundwater Sample	82.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
012	MW-20	Groundwater Sample	84.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
013	MW-20S	Groundwater Sample	78.0	None	S	Clear	Good	Good	Good	Yes	Yes
014	MW-23	Groundwater Sample	80.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
015	MW-27	Groundwater Sample	78.0	None	NE	Clear	Good	Good	Good	Yes	Yes
016	MW-28	Groundwater Sample	82.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
017	MW-30	Groundwater Sample	85.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
018	MW-31	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
019	MW-31S	Groundwater Sample	82.0	None	NE	Clear	Good	Good	Good	Yes	Yes
020	MW-32	Groundwater Sample	85.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
021	PZ4!A	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
022	PZ4!C	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
023	XSG-01	DTW Only	78.0	None	S	Partly cloudy					
024	YSG-02	DTW Only	80.0	None	S	Partly cloudy					
025	YSG-03	DTW Only	78.0	None	S	Partly cloudy					
026	Field Blank	QA/QC Sample	82.0	None	NE	Clear					
027	MW-08 Duplicate	QA/QC Sample	85.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
028	Equipment Blank 1	QA/QC Sample	82.0	None	NE	Clear					

Site Sampling Event: Kincaid- 2Q24

LIMS Workorder: 24050124

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Kincaid- 2Q 2024

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/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	MW-01	BG	5/20/24 12:18	15.48	27.10	BG	5/20/2024	12:18	13:12	Peristaltic Pump	2"	5.0	92.6
002	MW-02	JC	5/20/24 9:38	7.31	22.20	JC	5/20/2024	09:40	10:02	Bladder Pump	2"	5.0	227.3
003	MW-03	JC	5/20/24 11:53	8.76	26.20	JC	5/20/2024	11:54	12:15	Bladder Pump	2"	4.5	214.3
004	MW-05	JC	5/20/24 13:55	26.45	41.70	JC	5/20/2024	13:57	14:16	Bladder Pump	2"	4.0	210.5
005	MW-06	TAC	5/20/24 12:21	9.06	22.00	TAC	5/20/2024	12:21	12:48	Bladder Pump	2"	11.0	407.4
006	MW-07	TAC	5/20/24 13:23	9.65	21.80	TAC	5/20/2024	13:23	13:40	Bladder Pump	2"	6.0	352.9
007	MW-07S	TAC	5/20/24 14:04	10.49	13.49	TAC	5/20/2024	14:08	14:31	Peristaltic Pump	2"	6.0	260.9
008	MW-08	BG	5/20/24 13:29	8.44	24.00	BG	5/20/2024	13:29	13:42	Bladder Pump	2"	1.5	115.4
009	MW-08S	BG	5/20/24 10:35	9.76	10.02	JC	5/20/2024	11:00	11:02	Peristaltic Pump	2"	0.1	50.0
010	MW-11	JC	5/20/24 11:06	11.89	23.50	JC	5/20/2024	11:07	11:24	Bladder Pump	2"	4.0	235.3
011	MW-12	TAC	5/20/24 10:33	6.57	27.60	TAC	5/20/2024	10:34	11:06	Bladder Pump	2"	12.0	375.0
012	MW-20	JC	5/20/24 12:32	6.24	26.25	JC	5/20/2024	12:34	12:51	Bladder Pump	2"	4.0	235.3
013	MW-20S	JC	5/21/24 9:50	6.25	12.21	JC	5/21/2024	09:52	10:09	Submersible Pump	2"	3.0	176.5
014	MW-23	JC	5/20/24 10:34	16.58	30.27	JC	5/20/2024	10:36	10:50	Bladder Pump	2"	4.0	285.7
015	MW-27	BG	5/21/24 12:02	13.40	17.70	BG	5/21/2024	12:05	12:11	Peristaltic Pump	2"	0.5	83.3
016	MW-28	TAC	5/20/24 11:30	6.74	25.07	TAC	5/20/2024	11:32	11:56	Bladder Pump	2"	6.0	250.0
017	MW-30	BG	5/20/24 14:43	24.52	42.47	BG	5/20/2024	14:43	15:03	Bladder Pump	2"	3.0	150.0
018	MW-31	bg	5/21/24 10:34	30.44	42.32	bg	5/21/2024	10:34	10:53	Bladder Pump	2"	2.5	131.6
019	MW-31S	BG	5/21/24 10:58	23.16	32.41	BG	5/21/2024	10:58	11:36	Bladder Pump	2"	4.0	105.3
020	MW-32	JC	5/20/24 13:15	23.18	39.29	JC	5/20/2024	13:17	13:40	Bladder Pump	2"	5.0	217.4
021	PZ4!A	JC	5/21/24 10:35	7.85	12.94	JC	5/21/2024	10:37	11:04	Submersible Pump	2"	3.0	111.1
022	PZ4!C	JC	5/21/24 11:10	7.24	23.18	JC	5/21/2024	11:11	11:23	Submersible Pump	2"	3.0	250.0
023	XSG-01	BG	5/20/24 9:48	5.21	-								
024	YSG-02	BG	5/20/24 12:18	20.37	-								
025	YSG-03	BG	5/20/24 10:54	13.08	-								
026	Field Blank												
027	MW-08 Duplicate	BG	5/20/24 13:29	8.44	24.00	BG	5/20/2024	13:29	13:42	Bladder Pump	2"	1.5	115.4
028	Equipment Blank 1												

Site Sampling Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Kincaid- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
KINCAID POWER PLANT, ASH POND
KIN-845-141

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-01	BG	05/20/24	13:12	Low Flow	26559	No	Clear	None	CLEAR	15.78	0.3
002	MW-02	JC	05/20/24	10:02	Low Flow	218083	No	Clear	Slight	none	8.78	1.47
003	MW-03	JC	05/20/24	12:15	Low Flow	218083	No	Clear	None	none	9.38	0.62
004	MW-05	JC	05/20/24	14:16	Low Flow	218083	No	Slightly cloudy	Slight	none	28.26	1.81
005	MW-06	TAC	05/20/24	12:48	Low Flow	45986	No	Clear	None	None	10.88	1.82
006	MW-07	TAC	05/20/24	13:40	Low Flow	45986	No	Clear	None	None	12.22	2.57
007	MW-07S	TAC	05/20/24	14:31	Low Flow	45986	No	Clear	None	None	10.53	0.04
008	MW-08	BG	05/20/24	13:42	Low Flow	26559	No	Clear	None	CLEAR	8.59	0.15
009	MW-08S											
010	MW-11	JC	05/20/24	11:24	Low Flow	218083	No	Clear	None	none	13.17	1.28
011	MW-12	TAC	05/20/24	11:06	Low Flow	45986	No	Clear	None	None	6.80	0.23
012	MW-20	JC	05/20/24	12:51	Low Flow	218083	No	Clear	None	none	8.98	2.74
013	MW-20S	JC	05/21/24	10:09	Low Flow	218083	No	Clear	None	none	8.22	1.97
014	MW-23	JC	05/20/24	10:50	Low Flow	218083	No	Clear	None	none	19.10	2.52
015	MW-27	BG	05/21/24	12:11	Low Flow	26559	No	Clear	None	none	Below T.O.P.	N/A
016	MW-28	TAC	05/20/24	11:56	Low Flow	45986	No	Clear	None	None	7.54	0.8
017	MW-30	BG	05/20/24	15:03	Low Flow	26559	No	Clear	None	CLEAR	25.04	0.52
018	MW-31	bg	05/21/24	10:53	Low Flow	26559	No	Slightly cloudy	None	clear	31.46	1.02
019	MW-31S	BG	05/21/24	11:36	Low Flow	26559	No	Cloudy	None	lt brown	29.17	6.01
020	MW-32	JC	05/20/24	13:40	Low Flow	218083	No	Clear	None	none	23.88	0.7
021	PZ4!A	JC	05/21/24	11:04	Low Flow	218083	No	Slightly cloudy	None	none	10.69	2.84
022	PZ4!C	JC	05/21/24	11:23	Low Flow	218083	No	Slightly cloudy	Slight	none	8.21	0.97
023	XSG-01											
024	YSG-02											
025	YSG-03											
026	Field Blank	JC	05/21/24	11:31	Direct Sample							
027	MW-08 Duplicate	BG	05/20/24	13:42	Low Flow	26559	No	Clear	None	CLEAR	8.59	0.15
028	Equipment Blank 1	JC	05/21/24	11:37	Direct Sample							

Site Sampling Event: Kincaid- 2Q24
 LIMS Workorder: 24050124
 Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
 Kincaid- 2Q 2024

WO Sample	Well ID	COMMENTS
001	MW-01	
002	MW-02	
003	MW-03	
004	MW-05	
005	MW-06	
006	MW-07	
007	MW-07S	
008	MW-08	
009	MW-08S	Dry- no sample
010	MW-11	
011	MW-12	
012	MW-20	
013	MW-20S	
014	MW-23	
015	MW-27	Dry drying purge on 5/20, able to yield sample on 5/21
016	MW-28	
017	MW-30	
018	MW-31	
019	MW-31S	
020	MW-32	
021	PZ4!A	
022	PZ4!C	
023	XSG-01	
024	YSG-02	
025	YSG-03	
026	Field Blank	
027	MW-08 Duplicate	
028	Equipment Blank 1	

Site Sampling Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Kincaid- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
MW-01	5/20/2024	13:12	16.4	61.5	6.48	543.8	1.10	5.06	132.2	15.48	24050124-001A
MW-02	5/20/2024	10:02	15.7	60.2	7.21	485.1	0.28	48.83	35.2	7.31	24050124-002A
MW-03	5/20/2024	12:15	15.7	60.2	6.73	595.4	0.35	5.84	247.0	8.76	24050124-003A
MW-05	5/20/2024	14:16	17.2	63.0	6.51	841.9	0.46	27.25	39.9	26.45	24050124-004A
MW-06	5/20/2024	12:48	13.4	56.1	6.44	609.5	6.07	4.66	69.3	9.06	24050124-005A
MW-07	5/20/2024	13:40	13.4	56.2	6.97	759.5	1.00	4.53	-61.9	9.65	24050124-006A
MW-07S	5/20/2024	14:31	16.9	62.4	6.71	1,337.4	1.55	2.82	-57.0	10.49	24050124-007A
MW-08	5/20/2024	13:42	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2	8.44	24050124-008A
MW-08S	5/20/2024	10:35	Dry- No Sample							9.76	24050124-009A
MW-11	5/20/2024	11:24	15.9	60.6	6.77	640.9	0.83	2.68	172.5	11.89	24050124-010A
MW-12	5/20/2024	11:06	14.4	57.9	6.50	1,366.4	0.76	9.28	-35.7	6.57	24050124-011A
MW-20	5/20/2024	12:51	15.3	59.5	6.89	677.5	0.28	9.17	264.3	6.24	24050124-012A
MW-20S	5/21/2024	10:09	17.0	62.6	6.62	1,568.4	0.66	31.25	249.5	6.25	24050124-013A
MW-23	5/20/2024	10:50	15.7	60.3	6.79	651.4	0.28	5.14	133.0	16.58	24050124-014A
MW-27	5/21/2024	12:11	17.9	64.3	6.97	1,756.4	3.14	280.04	-14.4	13.40	24050124-015A
MW-28	5/20/2024	11:56	14.8	58.7	6.64	2,098.9	0.94	5.22	36.7	6.74	24050124-016A
MW-30	5/20/2024	15:03	18.2	64.8	6.73	1,101.6	1.36	8.06	-77.5	24.52	24050124-017A
MW-31	5/21/2024	10:53	19.9	67.8	6.72	1,139.8	1.63	4.58	-61.4	30.44	24050124-018A
MW-31S	5/21/2024	11:36	20.9	69.6	6.77	1,308.9	3.57	35.54	-42.7	23.16	24050124-019A
MW-32	5/20/2024	13:40	16.4	61.5	6.40	922.6	0.48	2.91	193.1	23.18	24050124-020A
PZ4!A	5/21/2024	11:04	20.7	69.3	6.79	1,206.5	4.22	33.47	272.1	7.85	24050124-021A
PZ4!C	5/21/2024	11:23	20.4	68.7	6.82	998.9	0.59	21.58	-112.7	7.24	24050124-022A
XSG-01	5/20/2024	9:48	DTW Only							5.21	24050124-023A
YSG-02	5/20/2024	12:18	DTW Only							20.37	24050124-024A
YSG-03	5/20/2024	10:54	DTW Only							13.08	24050124-025A
Field Blank	5/21/2024	11:31	QA/QC Sample							-	24050124-026A
MW-08 Duplicate	5/20/2024	13:42	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2	8.44	24050124-027A
Equipment Blank 1	5/21/2024	11:37	QA/QC Sample							-	24050124-028A

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-01	5/20/2024	12:39	15.48	17.0	62.5	6.49	543.0	1.25	16.87	126.3
MW-01	5/20/2024	12:42	15.48	16.9	62.4	6.49	542.7	1.25	16.95	127.0
MW-01	5/20/2024	12:45	15.48	16.8	62.2	6.49	542.7	1.27	15.41	127.7
MW-01	5/20/2024	12:48	15.48	16.7	62.1	6.49	544.5	1.27	11.07	128.6
MW-01	5/20/2024	12:51	15.48	16.5	61.8	6.49	544.4	1.27	9.77	129.5
MW-01	5/20/2024	12:54	15.48	16.4	61.4	6.48	545.0	1.26	10.85	130.2
MW-01	5/20/2024	12:57	15.48	16.3	61.4	6.48	544.0	1.25	8.97	130.5
MW-01	5/20/2024	13:00	15.48	16.4	61.5	6.48	542.3	1.19	8.85	130.8
MW-01	5/20/2024	13:03	15.48	16.4	61.4	6.48	545.0	1.13	7.25	131.2
MW-01	5/20/2024	13:06	15.48	16.4	61.6	6.48	545.1	1.11	5.64	131.7
MW-01	5/20/2024	13:09	15.48	16.5	61.7	6.48	544.0	1.11	5.73	131.9
MW-01	5/20/2024	13:12	15.48	16.4	61.5	6.48	543.8	1.10	5.06	132.2

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-02	5/20/2024	9:53	7.31	15.6	60.0	7.24	486.4	0.38	44.25	90.5
MW-02	5/20/2024	9:56	7.31	15.6	60.0	7.23	485.4	0.34	44.52	63.6
MW-02	5/20/2024	9:59	7.31	15.8	60.4	7.22	485.4	0.31	49.16	46.5
MW-02	5/20/2024	10:02	7.31	15.7	60.2	7.21	485.1	0.28	48.83	35.2

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-03	5/20/2024	12:00	8.76	16.0	60.9	6.70	598.5	1.37	8.92	220.5
MW-03	5/20/2024	12:03	8.76	15.8	60.4	6.70	598.0	1.16	8.04	237.3
MW-03	5/20/2024	12:06	8.76	15.7	60.3	6.69	596.7	0.80	7.78	244.7
MW-03	5/20/2024	12:09	8.76	15.7	60.3	6.69	596.1	0.56	6.79	246.7
MW-03	5/20/2024	12:12	8.76	15.6	60.2	6.72	596.1	0.43	6.66	246.8
MW-03	5/20/2024	12:15	8.76	15.7	60.2	6.73	595.4	0.35	5.84	247.0

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-05	5/20/2024	14:07	26.45	17.3	63.1	6.52	837.3	0.83	29.95	48.2
MW-05	5/20/2024	14:10	26.45	17.3	63.1	6.52	839.6	0.68	30.63	48.0
MW-05	5/20/2024	14:13	26.45	17.2	62.9	6.51	841.0	0.55	28.93	44.0
MW-05	5/20/2024	14:16	26.45	17.2	63.0	6.51	841.9	0.46	27.25	39.9

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-06	5/20/2024	12:36	9.06	13.5	56.2	6.48	608.7	6.08	4.98	62.8
MW-06	5/20/2024	12:39	9.06	13.4	56.1	6.46	611.0	6.07	5.45	65.1
MW-06	5/20/2024	12:42	9.06	13.4	56.1	6.45	612.3	6.07	4.60	66.9
MW-06	5/20/2024	12:45	9.06	13.5	56.2	6.44	611.0	6.06	4.87	68.2
MW-06	5/20/2024	12:48	9.06	13.4	56.1	6.44	609.5	6.07	4.66	69.3

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-07	5/20/2024	13:31	9.65	13.7	56.6	7.03	761.2	1.42	5.85	-24.9
MW-07	5/20/2024	13:34	9.65	13.4	56.2	7.02	753.4	1.19	4.70	-48.3
MW-07	5/20/2024	13:37	9.65	13.4	56.2	7.00	748.6	1.06	4.64	-57.3
MW-07	5/20/2024	13:40	9.65	13.4	56.2	6.97	759.5	1.00	4.53	-61.9

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-07S	5/20/2024	14:16	10.49	16.6	61.9	6.73	1,339.4	2.36	5.73	-48.6
MW-07S	5/20/2024	14:19	10.49	16.7	62.0	6.72	1,341.4	2.06	4.38	-51.8
MW-07S	5/20/2024	14:22	10.49	16.7	62.1	6.72	1,340.1	1.87	3.96	-53.8
MW-07S	5/20/2024	14:25	10.49	16.7	62.1	6.72	1,338.8	1.75	3.19	-55.1
MW-07S	5/20/2024	14:28	10.49	16.7	62.0	6.71	1,338.3	1.63	2.97	-56.0
MW-07S	5/20/2024	14:31	10.49	16.9	62.4	6.71	1,337.4	1.55	2.82	-57.0

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-08	5/20/2024	13:33	8.44	17.5	63.5	6.60	1,189.5	2.22	4.57	110.3
MW-08	5/20/2024	13:36	8.44	17.5	63.4	6.60	1,189.9	1.47	4.14	99.9
MW-08	5/20/2024	13:39	8.44	17.3	63.1	6.59	1,191.6	1.14	3.79	97.9
MW-08	5/20/2024	13:42	8.44	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2

Site Sampling Event: Kincaid- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24050124**Kincaid- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-08S	5/20/2024	10:35	9.76	Dry- No Sample						

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-11	5/20/2024	11:12	11.89	15.9	60.7	6.79	657.0	0.96	3.47	257.7
MW-11	5/20/2024	11:15	11.89	16.0	60.7	6.78	654.2	0.72	3.15	249.7
MW-11	5/20/2024	11:18	11.89	15.9	60.6	6.77	655.2	0.58	2.91	228.1
MW-11	5/20/2024	11:21	11.89	15.8	60.4	6.77	655.8	0.48	2.47	199.2
MW-11	5/20/2024	11:24	11.89	15.9	60.6	6.77	640.9	0.83	2.68	172.5

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-12	5/20/2024	10:51	6.57	14.4	57.9	6.56	1,332.4	0.93	17.35	-47.8
MW-12	5/20/2024	10:54	6.57	14.3	57.7	6.55	1,346.5	0.88	14.98	-45.1
MW-12	5/20/2024	10:57	6.57	14.2	57.6	6.53	1,350.3	0.84	12.44	-42.7
MW-12	5/20/2024	11:00	6.57	14.2	57.6	6.52	1,357.2	0.80	11.36	-40.2
MW-12	5/20/2024	11:03	6.57	14.4	57.9	6.51	1,361.6	0.78	10.22	-37.6
MW-12	5/20/2024	11:06	6.57	14.4	57.9	6.50	1,366.4	0.76	9.28	-35.7

Site Sampling Event: Kincaid- 2Q24

LIMS Workorder: 24050124

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-20	5/20/2024	12:39	6.24	15.0	58.9	6.86	677.5	0.89	10.28	270.7
MW-20	5/20/2024	12:42	6.24	15.3	59.5	6.85	677.3	0.50	9.03	268.3
MW-20	5/20/2024	12:45	6.24	15.3	59.6	6.87	676.8	0.39	8.72	267.9
MW-20	5/20/2024	12:48	6.24	15.3	59.6	6.88	677.2	0.32	8.50	265.8
MW-20	5/20/2024	12:51	6.24	15.3	59.5	6.89	677.5	0.28	9.17	264.3

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-20S	5/21/2024	9:57	6.25	17.4	63.3	6.65	1,870.7	1.39	59.12	267.8
MW-20S	5/21/2024	10:00	6.25	17.4	63.3	6.64	1,850.7	1.21	41.83	261.5
MW-20S	5/21/2024	10:03	6.25	17.0	62.6	6.63	1,768.1	0.99	29.77	258.9
MW-20S	5/21/2024	10:06	6.25	16.8	62.2	6.63	1,642.8	0.81	27.56	255.8
MW-20S	5/21/2024	10:09	6.25	17.0	62.6	6.62	1,568.4	0.66	31.25	249.5

Site Sampling Event: Kincaid- 2Q24

LIMS Workorder: 24050124

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-23	5/20/2024	10:41	16.58	15.6	60.2	6.80	652.3	0.68	8.75	241.6
MW-23	5/20/2024	10:44	16.58	15.7	60.3	6.80	651.9	0.40	6.13	217.0
MW-23	5/20/2024	10:47	16.58	15.7	60.3	6.80	651.7	0.32	5.28	178.1
MW-23	5/20/2024	10:50	16.58	15.7	60.3	6.79	651.4	0.28	5.14	133.0

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-27	5/21/2024	12:08	13.4	17.4	63.3	7.58	1,801.0	5.21	279.72	48.2
MW-27	5/21/2024	12:11	13.4	17.9	64.3	6.97	1,756.4	3.14	280.04	-14.4
<i>Well purged dry on 5/20; sampled prior to stabilization on 5/21 to ensure sample collection</i>										

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-28	5/20/2024	11:38	6.74	15.3	59.5	6.70	2,107.3	1.83	6.62	40.3
MW-28	5/20/2024	11:41	6.74	15.3	59.5	6.67	2,127.2	1.36	8.64	39.1
MW-28	5/20/2024	11:44	6.74	15.3	59.6	6.66	2,145.4	1.14	6.46	38.2
MW-28	5/20/2024	11:47	6.74	15.2	59.4	6.66	2,151.6	1.11	3.85	37.5
MW-28	5/20/2024	11:50	6.74	15.1	59.2	6.65	2,152.9	1.07	2.71	37.1
MW-28	5/20/2024	11:53	6.74	15.0	59.0	6.64	2,139.9	0.98	4.37	36.9
MW-28	5/20/2024	11:56	6.74	14.8	58.7	6.64	2,098.9	0.94	5.22	36.7

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-30	5/20/2024	14:48	24.52	18.1	64.6	6.71	1,097.8	1.81	16.53	-74.9
MW-30	5/20/2024	14:51	24.52	18.2	64.7	6.72	1,099.6	1.75	10.82	-76.0
MW-30	5/20/2024	14:54	24.52	18.2	64.7	6.72	1,099.8	1.59	9.49	-76.9
MW-30	5/20/2024	14:57	24.52	18.1	64.7	6.72	1,101.0	1.49	9.14	-77.3
MW-30	5/20/2024	15:00	24.52	18.2	64.7	6.72	1,100.9	1.40	8.99	-77.5
MW-30	5/20/2024	15:03	24.52	18.2	64.8	6.73	1,101.6	1.36	8.06	-77.5

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-31	5/21/2024	10:44	30.44	19.6	67.3	6.77	1,109.5	2.16	8.34	-73.2
MW-31	5/21/2024	10:47	30.44	19.8	67.7	6.74	1,115.2	2.02	5.15	-66.8
MW-31	5/21/2024	10:50	30.44	19.9	67.8	6.72	1,130.3	1.84	6.23	-62.6
MW-31	5/21/2024	10:53	30.44	19.9	67.8	6.72	1,139.8	1.63	4.58	-61.4

Site Sampling Event: Kincaid- 2Q24

LIMS Workorder: 24050124

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-31S	5/21/2024	11:27	23.16	19.4	66.9	6.75	1,305.3	1.34	37.14	-29.6
MW-31S	5/21/2024	11:30	23.16	18.6	65.4	6.74	1,308.8	1.23	428.53	-41.9
MW-31S	5/21/2024	11:33	23.16	19.9	67.8	6.73	1,307.3	2.47	32.64	-40.0
MW-31S	5/21/2024	11:36	23.16	20.9	69.6	6.77	1,308.9	3.57	35.54	-42.7

Site Sampling Event: Kincaid- 2Q24

LIMS Workorder: 24050124

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-32	5/20/2024	13:22	23.18	16.6	61.8	6.45	925.5	1.53	4.22	151.2
MW-32	5/20/2024	13:25	23.18	16.5	61.7	6.48	922.0	1.87	3.72	184.4
MW-32	5/20/2024	13:28	23.18	16.5	61.7	6.44	924.8	1.27	3.55	194.8
MW-32	5/20/2024	13:31	23.18	16.5	61.7	6.42	924.6	0.88	3.37	195.6
MW-32	5/20/2024	13:34	23.18	16.4	61.6	6.41	923.4	0.68	3.37	195.6
MW-32	5/20/2024	13:37	23.18	16.4	61.5	6.40	923.5	0.56	3.41	193.4
MW-32	5/20/2024	13:40	23.18	16.4	61.5	6.40	922.6	0.48	2.91	193.1

Site Sampling Event: Kincaid- 2Q24

LIMS Workorder: 24050124

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Kincaid- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ4!A	5/21/2024	10:43	7.85	19.3	66.8	6.65	1,219.8	2.08	200.84	266.8
PZ4!A	5/21/2024	10:46	7.85	19.3	66.7	6.66	1,221.8	2.35	128.09	268.8
PZ4!A	5/21/2024	10:49	7.85	19.5	67.1	6.68	1,220.4	2.74	88.95	268.2
PZ4!A	5/21/2024	10:52	7.85	18.0	64.4	6.72	1,221.5	3.28	60.94	270.4
PZ4!A	5/21/2024	10:55	7.85	17.8	64.0	6.75	1,208.6	3.82	40.06	273.3
PZ4!A	5/21/2024	10:58	7.85	18.8	65.9	6.78	1,207.4	4.12	35.26	273.2
PZ4!A	5/21/2024	11:01	7.85	19.7	67.5	6.79	1,203.8	4.13	34.26	270.6
PZ4!A	5/21/2024	11:04	7.85	20.7	69.3	6.79	1,206.5	4.22	33.47	272.1

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ4!C	5/21/2024	11:14	7.24	16.6	61.9	6.84	989.2	0.77	35.47	-108.6
PZ4!C	5/21/2024	11:17	7.24	18.5	65.4	6.81	998.6	0.60	26.89	-111.6
PZ4!C	5/21/2024	11:20	7.24	20.1	68.1	6.81	992.3	0.60	26.00	-113.5
PZ4!C	5/21/2024	11:23	7.24	20.4	68.7	6.82	998.9	0.59	21.58	-112.7

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	5/20/2024	9:48	5.21	DTW Only						

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
YSG-02	5/20/2024	12:18	20.37	DTW Only						

Site Sampling Event: Kincaid- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24050124**Kincaid- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
YSG-03	5/20/2024	10:54	13.08	DTW Only						

Site Sampling Event: Kincaid- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24050124**Kincaid- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	5/21/2024	11:31	QA/QC Sample							

Site Sampling Event: Kincaid- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24050124

Kincaid- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-08 Duplicate	5/20/2024	13:33	8.44	17.5	63.5	6.60	1,189.5	2.22	4.57	110.3
MW-08 Duplicate	5/20/2024	13:36	8.44	17.5	63.4	6.60	1,189.9	1.47	4.14	99.9
MW-08 Duplicate	5/20/2024	13:39	8.44	17.3	63.1	6.59	1,191.6	1.14	3.79	97.9
MW-08 Duplicate	5/20/2024	13:42	8.44	17.2	62.9	6.60	1,189.6	0.95	3.62	92.2

Site Sampling Event: Kincaid- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24050124**Kincaid- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	5/21/2024	11:37	QA/QC Sample							

Site Sampling Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
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: Pine 45986 Technician(s): Tracy Carroll Date: 5/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	3.99	5/20/24 10:13
7.0 Buffer	WC240307F	7.02	5/20/24 10:06
10.0 Buffer	WC230619B	10.04	5/20/24 10:24
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/20/24 10:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	2	5/20/24 10:33
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	5/20/24 10:33	23.8	7.03	1,413	2		
CCV-1	CCV	5/20/24 15:21	26.5	6.99	1,440	1.99		

Comments: _____

Site Sampling Event: Kincaid- 2Q24
LIMS Workorder: 24050124
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Kincaid- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
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: Pine 218083 Technician(s): justin colp Date: 5/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/20/24 9:08
7.0 Buffer	wc240307f	6.98	5/20/24 9:04
10.0 Buffer	wc230619b	9.98	5/20/24 9:11
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1408	5/20/24 9:15

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.83	5/20/24 9:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	5/20/24 9:21	20.2	6.98	1,408	0.83		
CCV-1	CCV	5/20/24 14:39	21.6	7.02	1,415	0.91		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/21/24 9:13
7.0 Buffer	wc240307f	6.99	5/21/24 9:08
10.0 Buffer	wc230619b	10.00	5/21/24 9:17
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/21/24 9:21

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.88	5/21/24 9:23
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/21/24 9:28	21.3	6.99	1,413	0.88		
CCV-2	CCV	5/21/24 12:15	22.1	7.01	1,420	0.92		

Comments:

Site Sampling Event: Kincaid- 2Q24

LIMS Workorder: 24050124

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)

Kincaid- 2Q 2024

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:	Pine 26559	Technician(s):	B. Gillihan	Date:	5/20/2024				
pH Standards	LIMS ID	Calibration reading	Date/Time	Conductivity Standard	LIMS ID	Reading	Date/Time		
	4.0 Buffer	wc230830b	4.00		5/20/24 11:56	1,412 µS Std.	95009	1414	5/20/24 12:09
	7.0 Buffer	wc240307f	7.01	5/20/24 11:57	Turbidity Standard	LIMS ID	Reading	Date/Time	
	10.0 Buffer	wc231027d	10.04	5/20/24 12:05		0 NTU (DI Water)	1	1.4	5/20/24 12:14
	LCS/CCV (7.0 Buffer)	wc231207a				124 NTU	95834		
ORP Standard	LIMS ID/Lot#	Reading	Date/Time	D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time		
					100%	N/A			

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	5/20/24 12:17	23.01	7.02	1,414	1.4		
ccv-1	ccv	5/20/24 15:22	24.09	7.03	1,414	1.5		

Comments:

Field Meter ID:	Pine 26559	Technician(s):	B. Gillihan	Date:	5/21/2024				
pH Standards	LIMS ID	Calibration reading	Date/Time	Conductivity Standard	LIMS ID	Reading	Date/Time		
	4.0 Buffer	wc230830b	4.01		5/21/24 8:57	1,412 µS Std.	95009	1418	5/21/24 9:15
	7.0 Buffer	wc240307f	7.00		5/21/24 9:05				
	10.0 Buffer	wc231027d	10.00	5/21/24 9:11	Turbidity Standard		LIMS ID	Reading	Date/Time
	LCS/CCV (7.0 Buffer)	wc231207a				0 NTU (DI Water)	1	1.5	5/21/24 9:19
				124 NTU	95834				
ORP Standard	LIMS ID/Lot#	Reading	Date/Time	D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time		
					100%	N/A			

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/21/24 14:02	18.4	7.01	1,418	1.5		
ccv-2	ccv	5/21/24 14:00	22	7.02	1,418	1.5		

Comments:



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43197
Description YSI ProDSS Display
Calibrated 4/26/2024 6:27:15PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 18E105408
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Functional / Datalogging Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>(As Of Cal Entry Date)</u>	
					<u>Last Cal Date/ Opened Date</u>	<u>Next Cal Date / Expiration Date</u>

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 4/26/2024 6:29:23PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 15H101893
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.37	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.22	10.05	0.50%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.31	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.85	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.494	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.0 / 240.0	mv	240.0	mv	225.8	240.0	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43907
Description YSI ProDSS
Calibrated 4/25/2024 3:34:30PM

Manufacturer YSI
Model Number PRO DSS
Serial Number/ Lot Number 18J103033
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Function Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Next Cal Date / Last Cal Date/ Expiration Date</u>	<u>Opened Date</u>
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Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45986
Description YSI Pro DSS
Calibrated 4/25/2024 3:36:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101800
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.71	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.49	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	2.33	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	98.92	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.550	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	200.30	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218050
Description YSI Pro DSS Display
Calibrated 4/26/2024 6:24:40PM

Manufacturer YSI
Model Number YSI Pro Dss
Serial Number/ Lot 23E101406
Number
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Instrument Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>(As Of Cal Entry Date)</u> <u>Last Cal Date/ Expiration Date</u> <u>Opened Date</u>
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Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 4/26/2024 6:26:38PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.34	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.27	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	FNU	0.00	FNU	0.44	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	115.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.510	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	223.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
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**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 2, 2024**

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

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

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

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

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

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

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

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

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
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ASH POND
KINCAID, IL

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

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

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
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ASH POND
KINCAID, IL

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

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

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

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KINCAID, IL

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

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

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

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

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

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

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

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

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

ATTACHMENT C.
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ASH POND
KINCAID, IL

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

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

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

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