



Illinois Power Generating Company  
1500 Eastport Plaza Drive  
Collinsville, IL 62234

January 8, 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: Newton Power Plant Primary Ash Pond; IEPA ID # W0798070001-01**

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.610(b)(3)(D), Illinois Power Generating Company (IPGC) is submitting groundwater monitoring data for the Quarter 3, 2023 sampling event at the Newton Power Plant Primary Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W0798070001-01. 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).

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 3, 2023, Primary Ash Pond, Newton Power Plant, Newton, Illinois*

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

January 8, 2024

Samples were collected on July 24, July 25, July 31, August 1 and August 17, 2023, 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 November 9, 2023.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 3, 2023 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 3, 2023 sampling event.

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

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

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration<sup>2</sup> (ASD) was submitted on October 6, 2023, for the exceedance of the chloride GWPS detected in well APW15 during the Quarter 2, 2023 sampling event. The Illinois Environmental Protection Agency (IEPA) provided a written response on November 7, 2023<sup>3</sup> that did not concur with the ASD. Therefore, a Corrective Measures Assessment (CMA) was initiated on November 5, 2023, in accordance with 35 I.A.C. § 845.660.

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

<sup>2</sup> Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. 35 I.A.C. § 845.650(E): Alternative Source Demonstration, Primary Ash Pond, Newton, Illinois, IEPA ID: W0798070001-01. October 6, 2023.

<sup>3</sup> Illinois Environmental Protection Agency (IEPA), 2023. Letter from Michael Summers (IEPA) to Phil Morris (Illinois Power Generating Company): Re: Newton Power Plant Primary Ash Pond - W079807001-01, Alternative Source Demonstration Submittal. November 7, 2023.

## TABLES

Table 1	Field Parameters and Analytical Results - Quarter 3, 2023
Table 2	Comparison of Statistical Results to GWPS - Quarter 3, 2023

## FIGURES

Figure 1	35 I.A.C. § 845 Monitoring Well Location Map
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## ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 3, 2023
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 3, 2023
Attachment C	Comparison of Statistical Results to Background - Quarter 3, 2023

## **TABLES**



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

845 QUARTERLY REPORT  
 NEWTON POWER PLANT  
 PRIMARY ASH POND  
 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW05	Background	E002	07/24/2023	Antimony, total	0.0004 U	mg/L
APW05	Background	E002	07/24/2023	Arsenic, total	0.0293	mg/L
APW05	Background	E002	07/24/2023	Barium, total	0.312	mg/L
APW05	Background	E002	07/24/2023	Beryllium, total	0.0002 U	mg/L
APW05	Background	E002	07/24/2023	Boron, total	0.108	mg/L
APW05	Background	E002	07/24/2023	Cadmium, total	0.0002 U	mg/L
APW05	Background	E002	07/24/2023	Calcium, total	50.4	mg/L
APW05	Background	E002	07/24/2023	Chloride, total	46.0	mg/L
APW05	Background	E002	07/24/2023	Chromium, total	0.0013 J	mg/L
APW05	Background	E002	07/24/2023	Cobalt, total	0.001 UJ	mg/L
APW05	Background	E002	07/24/2023	Dissolved Oxygen	0.360	mg/L
APW05	Background	E002	07/24/2023	Fluoride, total	0.480	mg/L
APW05	Background	E002	07/24/2023	Lead, total	0.0006 U	mg/L
APW05	Background	E002	07/24/2023	Lithium, total	0.00880	mg/L
APW05	Background	E002	07/24/2023	Mercury, total	0.00006 U	mg/L
APW05	Background	E002	07/24/2023	Molybdenum, total	0.0114	mg/L
APW05	Background	E002	07/24/2023	Oxidation Reduction Potential	-88.0	mV
APW05	Background	E002	07/24/2023	pH (field)	8.0	SU
APW05	Background	E002	07/24/2023	Radium 226 + Radium 228, total	0.522	pCi/L
APW05	Background	E002	07/24/2023	Selenium, total	0.0006 U	mg/L
APW05	Background	E002	07/24/2023	Specific Conductance @ 25C (field)	1,030	micromhos/cm
APW05	Background	E002	07/24/2023	Sulfate, total	10.0 J+	mg/L
APW05	Background	E002	07/24/2023	Temperature	15.6	degrees C
APW05	Background	E002	07/24/2023	Thallium, total	0.001 U	mg/L
APW05	Background	E002	07/24/2023	Total Dissolved Solids	550	mg/L
APW05	Background	E002	07/24/2023	Turbidity, field	14.0	NTU
APW06	Background	E002	07/25/2023	Antimony, total	0.0004 U	mg/L
APW06	Background	E002	07/25/2023	Arsenic, total	0.00470	mg/L
APW06	Background	E002	07/25/2023	Barium, total	0.254	mg/L
APW06	Background	E002	07/25/2023	Beryllium, total	0.0002 U	mg/L
APW06	Background	E002	07/25/2023	Boron, total	0.605	mg/L
APW06	Background	E002	07/25/2023	Cadmium, total	0.0002 U	mg/L
APW06	Background	E002	07/25/2023	Calcium, total	53.7	mg/L
APW06	Background	E002	07/25/2023	Chloride, total	24.0	mg/L
APW06	Background	E002	07/25/2023	Chromium, total	0.0009 J	mg/L
APW06	Background	E002	07/25/2023	Cobalt, total	0.001 UJ	mg/L
APW06	Background	E002	07/25/2023	Dissolved Oxygen	0.390	mg/L
APW06	Background	E002	07/25/2023	Fluoride, total	0.580	mg/L
APW06	Background	E002	07/25/2023	Lead, total	0.0006 U	mg/L
APW06	Background	E002	07/25/2023	Lithium, total	0.00960	mg/L
APW06	Background	E002	07/25/2023	Mercury, total	0.00013 J	mg/L
APW06	Background	E002	07/25/2023	Molybdenum, total	0.00710	mg/L
APW06	Background	E002	07/25/2023	Oxidation Reduction Potential	22.0	mV
APW06	Background	E002	07/25/2023	pH (field)	7.7	SU
APW06	Background	E002	07/25/2023	Radium 226 + Radium 228, total	1.12	pCi/L
APW06	Background	E002	07/25/2023	Selenium, total	0.0006 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW06	Background	E002	07/25/2023	Specific Conductance @ 25C (field)	647	micromhos/cm
APW06	Background	E002	07/25/2023	Sulfate, total	17.0 J+	mg/L
APW06	Background	E002	07/25/2023	Temperature	14.5	degrees C
APW06	Background	E002	07/25/2023	Thallium, total	0.001 U	mg/L
APW06	Background	E002	07/25/2023	Total Dissolved Solids	540	mg/L
APW06	Background	E002	07/25/2023	Turbidity, field	18.0	NTU
APW02	Compliance	E002	08/17/2023	Antimony, total	0.0004 U	mg/L
APW02	Compliance	E002	08/17/2023	Arsenic, total	0.0009 J	mg/L
APW02	Compliance	E002	08/17/2023	Barium, total	0.00760	mg/L
APW02	Compliance	E002	08/17/2023	Beryllium, total	0.0004 J	mg/L
APW02	Compliance	E002	08/17/2023	Boron, total	0.189	mg/L
APW02	Compliance	E002	08/17/2023	Cadmium, total	0.0002 U	mg/L
APW02	Compliance	E002	08/17/2023	Calcium, total	475	mg/L
APW02	Compliance	E002	08/17/2023	Chloride, total	102	mg/L
APW02	Compliance	E002	08/17/2023	Chromium, total	0.00220	mg/L
APW02	Compliance	E002	08/17/2023	Cobalt, total	0.00160 J+	mg/L
APW02	Compliance	E002	08/17/2023	Dissolved Oxygen	1.60	mg/L
APW02	Compliance	E002	08/17/2023	Fluoride, total	0.210	mg/L
APW02	Compliance	E002	08/17/2023	Lead, total	0.0006 U	mg/L
APW02	Compliance	E002	08/17/2023	Lithium, total	0.190 J	mg/L
APW02	Compliance	E002	08/17/2023	Mercury, total	0.00008 U	mg/L
APW02	Compliance	E002	08/17/2023	Molybdenum, total	0.00150	mg/L
APW02	Compliance	E002	08/17/2023	Oxidation Reduction Potential	93.0	mV
APW02	Compliance	E002	08/17/2023	pH (field)	6.7	SU
APW02	Compliance	E002	08/17/2023	Radium 226 + Radium 228, total	1.2 J	pCi/L
APW02	Compliance	E002	08/17/2023	Selenium, total	0.0006 U	mg/L
APW02	Compliance	E002	08/17/2023	Specific Conductance @ 25C (field)	8,440	micromhos/cm
APW02	Compliance	E002	08/17/2023	Sulfate, total	2,860	mg/L
APW02	Compliance	E002	08/17/2023	Temperature	17.5	degrees C
APW02	Compliance	E002	08/17/2023	Thallium, total	0.001 U	mg/L
APW02	Compliance	E002	08/17/2023	Total Dissolved Solids	3,660	mg/L
APW02	Compliance	E002	08/17/2023	Turbidity, field	17.0	NTU
APW03	Compliance	E002	07/31/2023	Antimony, total	0.0004 U	mg/L
APW03	Compliance	E002	07/31/2023	Arsenic, total	0.0007 J	mg/L
APW03	Compliance	E002	07/31/2023	Barium, total	0.0942	mg/L
APW03	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW03	Compliance	E002	07/31/2023	Boron, total	0.538	mg/L
APW03	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L
APW03	Compliance	E002	07/31/2023	Calcium, total	96.5	mg/L
APW03	Compliance	E002	07/31/2023	Chloride, total	10.0	mg/L
APW03	Compliance	E002	07/31/2023	Chromium, total	0.0014 J	mg/L
APW03	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW03	Compliance	E002	07/31/2023	Dissolved Oxygen	0.750	mg/L
APW03	Compliance	E002	07/31/2023	Fluoride, total	0.230	mg/L
APW03	Compliance	E002	07/31/2023	Lead, total	0.0006 U	mg/L
APW03	Compliance	E002	07/31/2023	Lithium, total	0.0139	mg/L

**TABLE 1.**  
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 PRIMARY ASH POND  
 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW03	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW03	Compliance	E002	07/31/2023	Molybdenum, total	0.0013 J	mg/L
APW03	Compliance	E002	07/31/2023	Oxidation Reduction Potential	64.0	mV
APW03	Compliance	E002	07/31/2023	pH (field)	6.8	SU
APW03	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	0.698	pCi/L
APW03	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW03	Compliance	E002	07/31/2023	Sulfate, total	118	mg/L
APW03	Compliance	E002	07/31/2023	Temperature	16.5	degrees C
APW03	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW03	Compliance	E002	07/31/2023	Total Dissolved Solids	620	mg/L
APW03	Compliance	E002	07/31/2023	Turbidity, field	5.60	NTU
APW04	Compliance	E002	07/31/2023	Antimony, total	0.0005 J	mg/L
APW04	Compliance	E002	07/31/2023	Arsenic, total	0.0009 J	mg/L
APW04	Compliance	E002	07/31/2023	Barium, total	0.0247	mg/L
APW04	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW04	Compliance	E002	07/31/2023	Boron, total	0.0402	mg/L
APW04	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L
APW04	Compliance	E002	07/31/2023	Calcium, total	211	mg/L
APW04	Compliance	E002	07/31/2023	Chloride, total	36.0	mg/L
APW04	Compliance	E002	07/31/2023	Chromium, total	0.0121	mg/L
APW04	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW04	Compliance	E002	07/31/2023	Dissolved Oxygen	0.680	mg/L
APW04	Compliance	E002	07/31/2023	Fluoride, total	0.180	mg/L
APW04	Compliance	E002	07/31/2023	Lead, total	0.0006 U	mg/L
APW04	Compliance	E002	07/31/2023	Lithium, total	0.0225	mg/L
APW04	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW04	Compliance	E002	07/31/2023	Molybdenum, total	0.0014 J	mg/L
APW04	Compliance	E002	07/31/2023	Oxidation Reduction Potential	92.0	mV
APW04	Compliance	E002	07/31/2023	pH (field)	6.6	SU
APW04	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	0.749	pCi/L
APW04	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW04	Compliance	E002	07/31/2023	Sulfate, total	808	mg/L
APW04	Compliance	E002	07/31/2023	Temperature	18.9	degrees C
APW04	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW04	Compliance	E002	07/31/2023	Total Dissolved Solids	1,770	mg/L
APW04	Compliance	E002	07/31/2023	Turbidity, field	8.00	NTU
APW05S	Compliance	E002	07/25/2023	Antimony, total	0.0004 U	mg/L
APW05S	Compliance	E002	07/25/2023	Arsenic, total	0.0009 J	mg/L
APW05S	Compliance	E002	07/25/2023	Barium, total	0.0328	mg/L
APW05S	Compliance	E002	07/25/2023	Beryllium, total	0.0002 U	mg/L
APW05S	Compliance	E002	07/25/2023	Boron, total	0.209	mg/L
APW05S	Compliance	E002	07/25/2023	Cadmium, total	0.0002 U	mg/L
APW05S	Compliance	E002	07/25/2023	Calcium, total	355	mg/L
APW05S	Compliance	E002	07/25/2023	Chloride, total	123	mg/L
APW05S	Compliance	E002	07/25/2023	Chromium, total	0.0011 J	mg/L
APW05S	Compliance	E002	07/25/2023	Cobalt, total	0.00200	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

845 QUARTERLY REPORT  
 NEWTON POWER PLANT  
 PRIMARY ASH POND  
 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW05S	Compliance	E002	07/25/2023	Dissolved Oxygen	0.310	mg/L
APW05S	Compliance	E002	07/25/2023	Fluoride, total	0.410	mg/L
APW05S	Compliance	E002	07/25/2023	Lead, total	0.0006 U	mg/L
APW05S	Compliance	E002	07/25/2023	Lithium, total	0.0350	mg/L
APW05S	Compliance	E002	07/25/2023	Mercury, total	0.00006 U	mg/L
APW05S	Compliance	E002	07/25/2023	Molybdenum, total	0.0013 J	mg/L
APW05S	Compliance	E002	07/25/2023	Oxidation Reduction Potential	36.0	mV
APW05S	Compliance	E002	07/25/2023	pH (field)	6.9	SU
APW05S	Compliance	E002	07/25/2023	Radium 226 + Radium 228, total	0.706	pCi/L
APW05S	Compliance	E002	07/25/2023	Selenium, total	0.0006 U	mg/L
APW05S	Compliance	E002	07/25/2023	Sulfate, total	1,790	mg/L
APW05S	Compliance	E002	07/25/2023	Temperature	19.5	degrees C
APW05S	Compliance	E002	07/25/2023	Thallium, total	0.001 U	mg/L
APW05S	Compliance	E002	07/25/2023	Total Dissolved Solids	3,200	mg/L
APW05S	Compliance	E002	07/25/2023	Turbidity, field	50.0	NTU
APW07	Compliance	E002	07/25/2023	Antimony, total	0.0004 U	mg/L
APW07	Compliance	E002	07/25/2023	Arsenic, total	0.0146	mg/L
APW07	Compliance	E002	07/25/2023	Barium, total	0.519	mg/L
APW07	Compliance	E002	07/25/2023	Beryllium, total	0.0002 U	mg/L
APW07	Compliance	E002	07/25/2023	Boron, total	0.144	mg/L
APW07	Compliance	E002	07/25/2023	Cadmium, total	0.0002 U	mg/L
APW07	Compliance	E002	07/25/2023	Calcium, total	90.4	mg/L
APW07	Compliance	E002	07/25/2023	Chloride, total	62.0	mg/L
APW07	Compliance	E002	07/25/2023	Chromium, total	0.00150 J	mg/L
APW07	Compliance	E002	07/25/2023	Cobalt, total	0.001 UJ	mg/L
APW07	Compliance	E002	07/25/2023	Dissolved Oxygen	9.50	mg/L
APW07	Compliance	E002	07/25/2023	Fluoride, total	0.430	mg/L
APW07	Compliance	E002	07/25/2023	Lead, total	0.0007 J	mg/L
APW07	Compliance	E002	07/25/2023	Lithium, total	0.00340	mg/L
APW07	Compliance	E002	07/25/2023	Mercury, total	0.00006 U	mg/L
APW07	Compliance	E002	07/25/2023	Molybdenum, total	0.00200	mg/L
APW07	Compliance	E002	07/25/2023	Oxidation Reduction Potential	33.0	mV
APW07	Compliance	E002	07/25/2023	pH (field)	7.3	SU
APW07	Compliance	E002	07/25/2023	Radium 226 + Radium 228, total	3.03	pCi/L
APW07	Compliance	E002	07/25/2023	Selenium, total	0.0006 U	mg/L
APW07	Compliance	E002	07/25/2023	Sulfate, total	23.0 J+	mg/L
APW07	Compliance	E002	07/25/2023	Temperature	15.8	degrees C
APW07	Compliance	E002	07/25/2023	Thallium, total	0.001 U	mg/L
APW07	Compliance	E002	07/25/2023	Total Dissolved Solids	605	mg/L
APW07	Compliance	E002	07/25/2023	Turbidity, field	390	NTU
APW08	Compliance	E002	07/31/2023	Antimony, total	0.0004 U	mg/L
APW08	Compliance	E002	07/31/2023	Arsenic, total	0.0308	mg/L
APW08	Compliance	E002	07/31/2023	Barium, total	0.651	mg/L
APW08	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW08	Compliance	E002	07/31/2023	Boron, total	0.114	mg/L
APW08	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW08	Compliance	E002	07/31/2023	Calcium, total	102	mg/L
APW08	Compliance	E002	07/31/2023	Chloride, total	56.0	mg/L
APW08	Compliance	E002	07/31/2023	Chromium, total	0.00180	mg/L
APW08	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW08	Compliance	E002	07/31/2023	Dissolved Oxygen	0.950	mg/L
APW08	Compliance	E002	07/31/2023	Fluoride, total	0.440	mg/L
APW08	Compliance	E002	07/31/2023	Lead, total	0.0007 J	mg/L
APW08	Compliance	E002	07/31/2023	Lithium, total	0.0027 J	mg/L
APW08	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW08	Compliance	E002	07/31/2023	Molybdenum, total	0.00520	mg/L
APW08	Compliance	E002	07/31/2023	Oxidation Reduction Potential	94.0	mV
APW08	Compliance	E002	07/31/2023	pH (field)	7.1	SU
APW08	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	0.779	pCi/L
APW08	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW08	Compliance	E002	07/31/2023	Sulfate, total	53.0 J+	mg/L
APW08	Compliance	E002	07/31/2023	Temperature	17.5	degrees C
APW08	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW08	Compliance	E002	07/31/2023	Total Dissolved Solids	600	mg/L
APW08	Compliance	E002	07/31/2023	Turbidity, field	11.0	NTU
APW09	Compliance	E002	07/31/2023	Antimony, total	0.0007 J	mg/L
APW09	Compliance	E002	07/31/2023	Arsenic, total	0.0355	mg/L
APW09	Compliance	E002	07/31/2023	Barium, total	0.564	mg/L
APW09	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW09	Compliance	E002	07/31/2023	Boron, total	0.121	mg/L
APW09	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L
APW09	Compliance	E002	07/31/2023	Calcium, total	78.4	mg/L
APW09	Compliance	E002	07/31/2023	Chloride, total	134	mg/L
APW09	Compliance	E002	07/31/2023	Chromium, total	0.0013 J	mg/L
APW09	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW09	Compliance	E002	07/31/2023	Dissolved Oxygen	0.470	mg/L
APW09	Compliance	E002	07/31/2023	Fluoride, total	0.500	mg/L
APW09	Compliance	E002	07/31/2023	Lead, total	0.0006 U	mg/L
APW09	Compliance	E002	07/31/2023	Lithium, total	0.00750	mg/L
APW09	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW09	Compliance	E002	07/31/2023	Molybdenum, total	0.00420	mg/L
APW09	Compliance	E002	07/31/2023	Oxidation Reduction Potential	91.0	mV
APW09	Compliance	E002	07/31/2023	pH (field)	7.2	SU
APW09	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	1.57	pCi/L
APW09	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW09	Compliance	E002	07/31/2023	Sulfate, total	19.0 J+	mg/L
APW09	Compliance	E002	07/31/2023	Temperature	17.9	degrees C
APW09	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW09	Compliance	E002	07/31/2023	Total Dissolved Solids	805	mg/L
APW09	Compliance	E002	07/31/2023	Turbidity, field	5.00	NTU
APW10	Compliance	E002	07/31/2023	Antimony, total	0.0004 U	mg/L
APW10	Compliance	E002	07/31/2023	Arsenic, total	0.00940	mg/L



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

845 QUARTERLY REPORT  
 NEWTON POWER PLANT  
 PRIMARY ASH POND  
 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW10	Compliance	E002	07/31/2023	Barium, total	0.0326	mg/L
APW10	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW10	Compliance	E002	07/31/2023	Boron, total	0.0923	mg/L
APW10	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L
APW10	Compliance	E002	07/31/2023	Calcium, total	140	mg/L
APW10	Compliance	E002	07/31/2023	Chloride, total	45.0	mg/L
APW10	Compliance	E002	07/31/2023	Chromium, total	0.0011 J	mg/L
APW10	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW10	Compliance	E002	07/31/2023	Dissolved Oxygen	1.58	mg/L
APW10	Compliance	E002	07/31/2023	Fluoride, total	0.320	mg/L
APW10	Compliance	E002	07/31/2023	Lead, total	0.0006 U	mg/L
APW10	Compliance	E002	07/31/2023	Lithium, total	0.0215	mg/L
APW10	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW10	Compliance	E002	07/31/2023	Molybdenum, total	0.00830	mg/L
APW10	Compliance	E002	07/31/2023	Oxidation Reduction Potential	104	mV
APW10	Compliance	E002	07/31/2023	pH (field)	7.1	SU
APW10	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	0.588	pCi/L
APW10	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW10	Compliance	E002	07/31/2023	Sulfate, total	421	mg/L
APW10	Compliance	E002	07/31/2023	Temperature	17.1	degrees C
APW10	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW10	Compliance	E002	07/31/2023	Total Dissolved Solids	1,060	mg/L
APW10	Compliance	E002	07/31/2023	Turbidity, field	4.20	NTU
APW11	Compliance	E002	07/24/2023	Antimony, total	0.0004 U	mg/L
APW11	Compliance	E002	07/24/2023	Arsenic, total	0.00540	mg/L
APW11	Compliance	E002	07/24/2023	Barium, total	0.0492	mg/L
APW11	Compliance	E002	07/24/2023	Beryllium, total	0.0002 U	mg/L
APW11	Compliance	E002	07/24/2023	Boron, total	0.0646	mg/L
APW11	Compliance	E002	07/24/2023	Cadmium, total	0.0002 U	mg/L
APW11	Compliance	E002	07/24/2023	Calcium, total	122	mg/L
APW11	Compliance	E002	07/24/2023	Chloride, total	25.0	mg/L
APW11	Compliance	E002	07/24/2023	Chromium, total	0.00390	mg/L
APW11	Compliance	E002	07/24/2023	Cobalt, total	0.00130 J+	mg/L
APW11	Compliance	E002	07/24/2023	Dissolved Oxygen	0.310	mg/L
APW11	Compliance	E002	07/24/2023	Fluoride, total	0.320	mg/L
APW11	Compliance	E002	07/24/2023	Lead, total	0.00410	mg/L
APW11	Compliance	E002	07/24/2023	Lithium, total	0.0199	mg/L
APW11	Compliance	E002	07/24/2023	Mercury, total	0.00006 U	mg/L
APW11	Compliance	E002	07/24/2023	Molybdenum, total	0.00560	mg/L
APW11	Compliance	E002	07/24/2023	Oxidation Reduction Potential	-54.0	mV
APW11	Compliance	E002	07/24/2023	pH (field)	7.2	SU
APW11	Compliance	E002	07/24/2023	Radium 226 + Radium 228, total	1.96	pCi/L
APW11	Compliance	E002	07/24/2023	Selenium, total	0.0006 U	mg/L
APW11	Compliance	E002	07/24/2023	Specific Conductance @ 25C (field)	1,340	micromhos/cm
APW11	Compliance	E002	07/24/2023	Sulfate, total	268	mg/L
APW11	Compliance	E002	07/24/2023	Temperature	15.5	degrees C

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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 NEWTON POWER PLANT  
 PRIMARY ASH POND  
 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW11	Compliance	E002	07/24/2023	Thallium, total	0.001 U	mg/L
APW11	Compliance	E002	07/24/2023	Total Dissolved Solids	840	mg/L
APW11	Compliance	E002	07/24/2023	Turbidity, field	130	NTU
APW12	Compliance	E002	07/24/2023	Antimony, total	0.0004 U	mg/L
APW12	Compliance	E002	07/24/2023	Arsenic, total	0.0008 J	mg/L
APW12	Compliance	E002	07/24/2023	Barium, total	0.0317	mg/L
APW12	Compliance	E002	07/24/2023	Beryllium, total	0.0002 U	mg/L
APW12	Compliance	E002	07/24/2023	Boron, total	0.521	mg/L
APW12	Compliance	E002	07/24/2023	Cadmium, total	0.0002 U	mg/L
APW12	Compliance	E002	07/24/2023	Calcium, total	245	mg/L
APW12	Compliance	E002	07/24/2023	Chloride, total	25.0	mg/L
APW12	Compliance	E002	07/24/2023	Chromium, total	0.0007 U	mg/L
APW12	Compliance	E002	07/24/2023	Cobalt, total	0.00140 J+	mg/L
APW12	Compliance	E002	07/24/2023	Dissolved Oxygen	0.400	mg/L
APW12	Compliance	E002	07/24/2023	Fluoride, total	0.150	mg/L
APW12	Compliance	E002	07/24/2023	Lead, total	0.0006 U	mg/L
APW12	Compliance	E002	07/24/2023	Lithium, total	0.0275	mg/L
APW12	Compliance	E002	07/24/2023	Mercury, total	0.00006 U	mg/L
APW12	Compliance	E002	07/24/2023	Molybdenum, total	0.0013 J	mg/L
APW12	Compliance	E002	07/24/2023	Oxidation Reduction Potential	47.0	mV
APW12	Compliance	E002	07/24/2023	pH (field)	6.4	SU
APW12	Compliance	E002	07/24/2023	Radium 226 + Radium 228, total	0.629	pCi/L
APW12	Compliance	E002	07/24/2023	Selenium, total	0.0006 U	mg/L
APW12	Compliance	E002	07/24/2023	Specific Conductance @ 25C (field)	2,190	micromhos/cm
APW12	Compliance	E002	07/24/2023	Sulfate, total	655	mg/L
APW12	Compliance	E002	07/24/2023	Temperature	13.7	degrees C
APW12	Compliance	E002	07/24/2023	Thallium, total	0.001 U	mg/L
APW12	Compliance	E002	07/24/2023	Total Dissolved Solids	1,700	mg/L
APW12	Compliance	E002	07/24/2023	Turbidity, field	1 U	NTU
APW13	Compliance	E002	07/31/2023	Antimony, total	0.0004 U	mg/L
APW13	Compliance	E002	07/31/2023	Arsenic, total	0.00530	mg/L
APW13	Compliance	E002	07/31/2023	Barium, total	0.0720	mg/L
APW13	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW13	Compliance	E002	07/31/2023	Boron, total	0.143	mg/L
APW13	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L
APW13	Compliance	E002	07/31/2023	Calcium, total	121	mg/L
APW13	Compliance	E002	07/31/2023	Chloride, total	48.0	mg/L
APW13	Compliance	E002	07/31/2023	Chromium, total	0.0008 J	mg/L
APW13	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW13	Compliance	E002	07/31/2023	Dissolved Oxygen	0.560	mg/L
APW13	Compliance	E002	07/31/2023	Fluoride, total	0.420	mg/L
APW13	Compliance	E002	07/31/2023	Lead, total	0.0006 U	mg/L
APW13	Compliance	E002	07/31/2023	Lithium, total	0.0230	mg/L
APW13	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW13	Compliance	E002	07/31/2023	Molybdenum, total	0.00980	mg/L
APW13	Compliance	E002	07/31/2023	Oxidation Reduction Potential	109	mV

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW13	Compliance	E002	07/31/2023	pH (field)	6.9	SU
APW13	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	0.715	pCi/L
APW13	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW13	Compliance	E002	07/31/2023	Sulfate, total	233	mg/L
APW13	Compliance	E002	07/31/2023	Temperature	18.1	degrees C
APW13	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW13	Compliance	E002	07/31/2023	Total Dissolved Solids	875	mg/L
APW13	Compliance	E002	07/31/2023	Turbidity, field	5.80	NTU
APW14	Compliance	E002	07/31/2023	Antimony, total	0.0004 U	mg/L
APW14	Compliance	E002	07/31/2023	Arsenic, total	0.00780	mg/L
APW14	Compliance	E002	07/31/2023	Barium, total	0.0649	mg/L
APW14	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW14	Compliance	E002	07/31/2023	Boron, total	0.103	mg/L
APW14	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L
APW14	Compliance	E002	07/31/2023	Calcium, total	133	mg/L
APW14	Compliance	E002	07/31/2023	Chloride, total	42.0	mg/L
APW14	Compliance	E002	07/31/2023	Chromium, total	0.001 J	mg/L
APW14	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW14	Compliance	E002	07/31/2023	Dissolved Oxygen	0.450	mg/L
APW14	Compliance	E002	07/31/2023	Fluoride, total	0.310	mg/L
APW14	Compliance	E002	07/31/2023	Lead, total	0.0006 U	mg/L
APW14	Compliance	E002	07/31/2023	Lithium, total	0.0207	mg/L
APW14	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW14	Compliance	E002	07/31/2023	Molybdenum, total	0.00490	mg/L
APW14	Compliance	E002	07/31/2023	Oxidation Reduction Potential	117	mV
APW14	Compliance	E002	07/31/2023	pH (field)	7.0	SU
APW14	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	0.66	pCi/L
APW14	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW14	Compliance	E002	07/31/2023	Sulfate, total	370	mg/L
APW14	Compliance	E002	07/31/2023	Temperature	16.2	degrees C
APW14	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW14	Compliance	E002	07/31/2023	Total Dissolved Solids	990	mg/L
APW14	Compliance	E002	07/31/2023	Turbidity, field	7.70	NTU
APW15	Compliance	E002	08/01/2023	Antimony, total	0.0004 U	mg/L
APW15	Compliance	E002	08/01/2023	Arsenic, total	0.0259	mg/L
APW15	Compliance	E002	08/01/2023	Barium, total	0.640	mg/L
APW15	Compliance	E002	08/01/2023	Beryllium, total	0.0002 U	mg/L
APW15	Compliance	E002	08/01/2023	Boron, total	0.117	mg/L
APW15	Compliance	E002	08/01/2023	Cadmium, total	0.0002 U	mg/L
APW15	Compliance	E002	08/01/2023	Calcium, total	100	mg/L
APW15	Compliance	E002	08/01/2023	Chloride, total	235	mg/L
APW15	Compliance	E002	08/01/2023	Chromium, total	0.00420	mg/L
APW15	Compliance	E002	08/01/2023	Cobalt, total	0.00140 J+	mg/L
APW15	Compliance	E002	08/01/2023	Dissolved Oxygen	0.490	mg/L
APW15	Compliance	E002	08/01/2023	Fluoride, total	0.460	mg/L
APW15	Compliance	E002	08/01/2023	Lead, total	0.00240	mg/L



**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW15	Compliance	E002	08/01/2023	Lithium, total	0.00610	mg/L
APW15	Compliance	E002	08/01/2023	Mercury, total	0.00007 J	mg/L
APW15	Compliance	E002	08/01/2023	Molybdenum, total	0.00560	mg/L
APW15	Compliance	E002	08/01/2023	Oxidation Reduction Potential	-62.0	mV
APW15	Compliance	E002	08/01/2023	pH (field)	6.9	SU
APW15	Compliance	E002	08/01/2023	Radium 226 + Radium 228, total	1.82	pCi/L
APW15	Compliance	E002	08/01/2023	Selenium, total	0.0006 U	mg/L
APW15	Compliance	E002	08/01/2023	Specific Conductance @ 25C (field)	2,570	micromhos/cm
APW15	Compliance	E002	08/01/2023	Sulfate, total	16.0 J+	mg/L
APW15	Compliance	E002	08/01/2023	Temperature	15.2	degrees C
APW15	Compliance	E002	08/01/2023	Thallium, total	0.001 U	mg/L
APW15	Compliance	E002	08/01/2023	Total Dissolved Solids	1,120	mg/L
APW15	Compliance	E002	08/01/2023	Turbidity, field	130	NTU
APW16	Compliance	E002	07/31/2023	Antimony, total	0.0004 U	mg/L
APW16	Compliance	E002	07/31/2023	Arsenic, total	0.0271	mg/L
APW16	Compliance	E002	07/31/2023	Barium, total	0.658	mg/L
APW16	Compliance	E002	07/31/2023	Beryllium, total	0.0002 U	mg/L
APW16	Compliance	E002	07/31/2023	Boron, total	0.147	mg/L
APW16	Compliance	E002	07/31/2023	Cadmium, total	0.0002 U	mg/L
APW16	Compliance	E002	07/31/2023	Calcium, total	94.0	mg/L
APW16	Compliance	E002	07/31/2023	Chloride, total	64.0	mg/L
APW16	Compliance	E002	07/31/2023	Chromium, total	0.0009 J	mg/L
APW16	Compliance	E002	07/31/2023	Cobalt, total	0.001 UJ	mg/L
APW16	Compliance	E002	07/31/2023	Dissolved Oxygen	1.14	mg/L
APW16	Compliance	E002	07/31/2023	Fluoride, total	0.720	mg/L
APW16	Compliance	E002	07/31/2023	Lead, total	0.0006 U	mg/L
APW16	Compliance	E002	07/31/2023	Lithium, total	0.0025 J	mg/L
APW16	Compliance	E002	07/31/2023	Mercury, total	0.00006 U	mg/L
APW16	Compliance	E002	07/31/2023	Molybdenum, total	0.0006 U	mg/L
APW16	Compliance	E002	07/31/2023	Oxidation Reduction Potential	108	mV
APW16	Compliance	E002	07/31/2023	pH (field)	7.1	SU
APW16	Compliance	E002	07/31/2023	Radium 226 + Radium 228, total	1.74	pCi/L
APW16	Compliance	E002	07/31/2023	Selenium, total	0.0006 U	mg/L
APW16	Compliance	E002	07/31/2023	Specific Conductance @ 25C (field)	946	micromhos/cm
APW16	Compliance	E002	07/31/2023	Sulfate, total	14.0 J+	mg/L
APW16	Compliance	E002	07/31/2023	Temperature	14.2	degrees C
APW16	Compliance	E002	07/31/2023	Thallium, total	0.001 U	mg/L
APW16	Compliance	E002	07/31/2023	Total Dissolved Solids	665	mg/L
APW16	Compliance	E002	07/31/2023	Turbidity, field	3.20	NTU
APW17	Compliance	E002	07/25/2023	Antimony, total	0.0004 U	mg/L
APW17	Compliance	E002	07/25/2023	Arsenic, total	0.0274	mg/L
APW17	Compliance	E002	07/25/2023	Barium, total	0.609	mg/L
APW17	Compliance	E002	07/25/2023	Beryllium, total	0.0002 U	mg/L
APW17	Compliance	E002	07/25/2023	Boron, total	0.121	mg/L
APW17	Compliance	E002	07/25/2023	Cadmium, total	0.0002 U	mg/L
APW17	Compliance	E002	07/25/2023	Calcium, total	106	mg/L

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

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 NEWTON POWER PLANT  
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 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW17	Compliance	E002	07/25/2023	Chloride, total	53.0	mg/L
APW17	Compliance	E002	07/25/2023	Chromium, total	0.0007 U	mg/L
APW17	Compliance	E002	07/25/2023	Cobalt, total	0.001 UJ	mg/L
APW17	Compliance	E002	07/25/2023	Dissolved Oxygen	0.510	mg/L
APW17	Compliance	E002	07/25/2023	Fluoride, total	0.580	mg/L
APW17	Compliance	E002	07/25/2023	Lead, total	0.0006 U	mg/L
APW17	Compliance	E002	07/25/2023	Lithium, total	0.0025 J	mg/L
APW17	Compliance	E002	07/25/2023	Mercury, total	0.00006 U	mg/L
APW17	Compliance	E002	07/25/2023	Molybdenum, total	0.00520	mg/L
APW17	Compliance	E002	07/25/2023	Oxidation Reduction Potential	50.0	mV
APW17	Compliance	E002	07/25/2023	pH (field)	6.9	SU
APW17	Compliance	E002	07/25/2023	Radium 226 + Radium 228, total	1.92	pCi/L
APW17	Compliance	E002	07/25/2023	Selenium, total	0.0006 U	mg/L
APW17	Compliance	E002	07/25/2023	Sulfate, total	56.0 J+	mg/L
APW17	Compliance	E002	07/25/2023	Temperature	16.6	degrees C
APW17	Compliance	E002	07/25/2023	Thallium, total	0.001 U	mg/L
APW17	Compliance	E002	07/25/2023	Total Dissolved Solids	670	mg/L
APW17	Compliance	E002	07/25/2023	Turbidity, field	4.50	NTU
APW18	Compliance	E002	07/25/2023	Antimony, total	0.0004 U	mg/L
APW18	Compliance	E002	07/25/2023	Arsenic, total	0.00230	mg/L
APW18	Compliance	E002	07/25/2023	Barium, total	0.368	mg/L
APW18	Compliance	E002	07/25/2023	Beryllium, total	0.0002 U	mg/L
APW18	Compliance	E002	07/25/2023	Boron, total	0.128	mg/L
APW18	Compliance	E002	07/25/2023	Cadmium, total	0.0002 U	mg/L
APW18	Compliance	E002	07/25/2023	Calcium, total	73.2	mg/L
APW18	Compliance	E002	07/25/2023	Chloride, total	26.0 J-	mg/L
APW18	Compliance	E002	07/25/2023	Chromium, total	0.0007 U	mg/L
APW18	Compliance	E002	07/25/2023	Cobalt, total	0.001 UJ	mg/L
APW18	Compliance	E002	07/25/2023	Dissolved Oxygen	0.520	mg/L
APW18	Compliance	E002	07/25/2023	Fluoride, total	0.630	mg/L
APW18	Compliance	E002	07/25/2023	Lead, total	0.0006 U	mg/L
APW18	Compliance	E002	07/25/2023	Lithium, total	0.00520	mg/L
APW18	Compliance	E002	07/25/2023	Mercury, total	0.00008 J	mg/L
APW18	Compliance	E002	07/25/2023	Molybdenum, total	0.00320	mg/L
APW18	Compliance	E002	07/25/2023	Oxidation Reduction Potential	48.0	mV
APW18	Compliance	E002	07/25/2023	pH (field)	7.2	SU
APW18	Compliance	E002	07/25/2023	Radium 226 + Radium 228, total	2.23	pCi/L
APW18	Compliance	E002	07/25/2023	Selenium, total	0.0006 U	mg/L
APW18	Compliance	E002	07/25/2023	Specific Conductance @ 25C (field)	756	micromhos/cm
APW18	Compliance	E002	07/25/2023	Sulfate, total	49.0 J+	mg/L
APW18	Compliance	E002	07/25/2023	Temperature	14.4	degrees C
APW18	Compliance	E002	07/25/2023	Thallium, total	0.001 U	mg/L
APW18	Compliance	E002	07/25/2023	Total Dissolved Solids	535	mg/L
APW18	Compliance	E002	07/25/2023	Turbidity, field	3.60	NTU

**TABLE 1.**  
**FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023**

845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

**Notes:**

C = Celsius

cm = centimeter

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

SU = Standard Units

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

J- = The result is an estimated quantity, but the result may be biased low.

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 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW02	UD	E002	Antimony, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW02	UD	E002	Arsenic, total	mg/L	02/17/21 - 08/17/23	11	73	CI around median	0.001	0.0590	Background	No Exceedance
APW02	UD	E002	Barium, total	mg/L	02/17/21 - 08/17/23	11	0	CI around mean	0.0094	2.0	Standard	No Exceedance
APW02	UD	E002	Beryllium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW02	UD	E002	Boron, total	mg/L	02/17/21 - 08/17/23	11	0	CI around geomean	0.111	2	Standard	No Exceedance
APW02	UD	E002	Cadmium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW02	UD	E002	Chloride, total	mg/L	02/17/21 - 08/17/23	11	0	CI around mean	100	200	Standard	No Exceedance
APW02	UD	E002	Chromium, total	mg/L	02/17/21 - 08/17/23	11	82	CI around median	0.004	0.1	Standard	No Exceedance
APW02	UD	E002	Cobalt, total	mg/L	02/17/21 - 08/17/23	11	91	CI around median	0.002	0.006	Standard	No Exceedance
APW02	UD	E002	Fluoride, total	mg/L	02/17/21 - 08/17/23	11	91	CI around median	0.25	4.0	Standard	No Exceedance
APW02	UD	E002	Lead, total	mg/L	02/17/21 - 08/17/23	11	91	CI around median	0.001	0.0075	Standard	No Exceedance
APW02	UD	E002	Lithium, total	mg/L	02/17/21 - 08/17/23	11	0	CI around geomean	0.0944	0.04	Standard	Exceedance
APW02	UD	E002	Mercury, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW02	UD	E002	Molybdenum, total	mg/L	02/17/21 - 08/17/23	10	60	CI around median	0.001	0.1	Standard	No Exceedance
APW02	UD	E002	pH (field)	SU	02/17/21 - 08/17/23	17	0	CI around mean	6.7/6.8	6.4/9.0	Background/Standard	No Exceedance
APW02	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 08/17/23	10	0	CI around mean	0.271	6.90	Background	No Exceedance
APW02	UD	E002	Selenium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW02	UD	E002	Sulfate, total	mg/L	02/17/21 - 08/17/23	11	0	CI around median	2,860	400	Standard	Exceedance
APW02	UD	E002	Thallium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW02	UD	E002	Total Dissolved Solids	mg/L	02/17/21 - 08/17/23	17	0	CI around median	5,000	1,200	Standard	Exceedance
APW03	UD	E002	Antimony, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW03	UD	E002	Arsenic, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.0590	Background	No Exceedance
APW03	UD	E002	Barium, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.065	2.0	Standard	No Exceedance
APW03	UD	E002	Beryllium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW03	UD	E002	Boron, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.381	2	Standard	No Exceedance
APW03	UD	E002	Cadmium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW03	UD	E002	Chloride, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	7.52	200	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW03	UD	E002	Chromium, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.004	0.1	Standard	No Exceedance
APW03	UD	E002	Cobalt, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW03	UD	E002	Fluoride, total	mg/L	02/18/21 - 07/31/23	11	82	CI around median	0.25	4.0	Standard	No Exceedance
APW03	UD	E002	Lead, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.001	0.0075	Standard	No Exceedance
APW03	UD	E002	Lithium, total	mg/L	02/18/21 - 07/31/23	11	36	CI around mean	0.0129	0.04	Standard	No Exceedance
APW03	UD	E002	Mercury, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
APW03	UD	E002	Molybdenum, total	mg/L	02/18/21 - 07/31/23	10	20	CI around mean	0.00109	0.1	Standard	No Exceedance
APW03	UD	E002	pH (field)	SU	02/18/21 - 07/31/23	17	0	CI around mean	6.8/7.2	6.4/9.0	Background/Standard	No Exceedance
APW03	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/31/23	10	0	CI around mean	0.185	6.90	Background	No Exceedance
APW03	UD	E002	Selenium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW03	UD	E002	Sulfate, total	mg/L	02/18/21 - 07/31/23	11	0	CB around linear reg	91.4	400	Standard	No Exceedance
APW03	UD	E002	Thallium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW03	UD	E002	Total Dissolved Solids	mg/L	02/18/21 - 07/31/23	17	0	CI around mean	627	1,200	Standard	No Exceedance
APW04	UD	E002	Antimony, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW04	UD	E002	Arsenic, total	mg/L	02/18/21 - 07/31/23	11	46	CI around median	0.001	0.0590	Background	No Exceedance
APW04	UD	E002	Barium, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.0189	2.0	Standard	No Exceedance
APW04	UD	E002	Beryllium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW04	UD	E002	Boron, total	mg/L	02/18/21 - 07/31/23	11	0	CI around median	0.024	2	Standard	No Exceedance
APW04	UD	E002	Cadmium, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.001	0.005	Standard	No Exceedance
APW04	UD	E002	Chloride, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	29.8	200	Standard	No Exceedance
APW04	UD	E002	Chromium, total	mg/L	02/18/21 - 07/31/23	11	82	CI around median	0.004	0.1	Standard	No Exceedance
APW04	UD	E002	Cobalt, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW04	UD	E002	Fluoride, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.25	4.0	Standard	No Exceedance
APW04	UD	E002	Lead, total	mg/L	02/18/21 - 07/31/23	11	64	CI around median	0.001	0.0075	Standard	No Exceedance
APW04	UD	E002	Lithium, total	mg/L	02/18/21 - 07/31/23	11	27	CI around median	0.02	0.04	Standard	No Exceedance
APW04	UD	E002	Mercury, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
APW04	UD	E002	Molybdenum, total	mg/L	02/18/21 - 07/31/23	10	90	CI around median	0.001	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW04	UD	E002	pH (field)	SU	02/18/21 - 07/31/23	17	0	CI around mean	6.6/7.2	6.4/9.0	Background/Standard	No Exceedance
APW04	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/31/23	10	0	CI around mean	0.0973	6.90	Background	No Exceedance
APW04	UD	E002	Selenium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW04	UD	E002	Sulfate, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	837	400	Standard	Exceedance
APW04	UD	E002	Thallium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW04	UD	E002	Total Dissolved Solids	mg/L	02/18/21 - 07/31/23	17	0	CI around mean	1,720	1,200	Standard	Exceedance
APW05S	UD	E002	Antimony, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW05S	UD	E002	Arsenic, total	mg/L	02/17/21 - 07/25/23	10	40	CI around mean	0.00103	0.0590	Background	No Exceedance
APW05S	UD	E002	Barium, total	mg/L	02/17/21 - 07/25/23	10	0	CI around geomean	0.0386	2.0	Standard	No Exceedance
APW05S	UD	E002	Beryllium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW05S	UD	E002	Boron, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	0.04	2	Standard	No Exceedance
APW05S	UD	E002	Cadmium, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.001	0.005	Standard	No Exceedance
APW05S	UD	E002	Chloride, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	180	200	Standard	No Exceedance
APW05S	UD	E002	Chromium, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.004	0.1	Standard	No Exceedance
APW05S	UD	E002	Cobalt, total	mg/L	02/17/21 - 07/25/23	10	30	CI around median	0.002	0.006	Standard	No Exceedance
APW05S	UD	E002	Fluoride, total	mg/L	02/17/21 - 07/25/23	10	0	CI around mean	0.356	4.0	Standard	No Exceedance
APW05S	UD	E002	Lead, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.001	0.0075	Standard	No Exceedance
APW05S	UD	E002	Lithium, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	0.035	0.04	Standard	No Exceedance
APW05S	UD	E002	Mercury, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW05S	UD	E002	Molybdenum, total	mg/L	02/17/21 - 07/25/23	9	11	CB around linear reg	-0.000408	0.1	Standard	No Exceedance
APW05S	UD	E002	pH (field)	SU	02/17/21 - 07/25/23	10	0	CI around mean	6.7/7.0	6.4/9.0	Background/Standard	No Exceedance
APW05S	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 07/25/23	9	0	CI around geomean	0.153	6.90	Background	No Exceedance
APW05S	UD	E002	Selenium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW05S	UD	E002	Sulfate, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	640	400	Standard	Exceedance
APW05S	UD	E002	Thallium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW05S	UD	E002	Total Dissolved Solids	mg/L	02/17/21 - 07/25/23	10	0	CI around mean	3,390	1,200	Standard	Exceedance
APW07	UA	E002	Antimony, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW07	UA	E002	Arsenic, total	mg/L	12/15/15 - 07/25/23	13	0	CB around linear reg	0.0131	0.0590	Background	No Exceedance
APW07	UA	E002	Barium, total	mg/L	12/15/15 - 07/25/23	13	0	CB around linear reg	0.475	2.0	Standard	No Exceedance
APW07	UA	E002	Beryllium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW07	UA	E002	Boron, total	mg/L	12/15/15 - 07/25/23	23	0	CB around T-S line	0.0863	2	Standard	No Exceedance
APW07	UA	E002	Cadmium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW07	UA	E002	Chloride, total	mg/L	12/15/15 - 07/25/23	26	0	CB around T-S line	55.2	200	Standard	No Exceedance
APW07	UA	E002	Chromium, total	mg/L	12/15/15 - 07/25/23	13	69	CI around median	0.004	0.1	Standard	No Exceedance
APW07	UA	E002	Cobalt, total	mg/L	12/15/15 - 07/25/23	12	83	CI around median	0.002	0.006	Standard	No Exceedance
APW07	UA	E002	Fluoride, total	mg/L	12/15/15 - 07/25/23	23	4	CI around mean	0.363	4.0	Standard	No Exceedance
APW07	UA	E002	Lead, total	mg/L	12/15/15 - 07/25/23	13	62	CI around median	0.001	0.0075	Standard	No Exceedance
APW07	UA	E002	Lithium, total	mg/L	12/15/15 - 07/25/23	13	92	CI around median	0.01	0.04	Standard	No Exceedance
APW07	UA	E002	Mercury, total	mg/L	12/15/15 - 07/25/23	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW07	UA	E002	Molybdenum, total	mg/L	12/15/15 - 07/25/23	12	0	CB around linear reg	-0.00329	0.1	Standard	No Exceedance
APW07	UA	E002	pH (field)	SU	12/15/15 - 07/25/23	25	0	CI around mean	7.2/7.3	6.4/9.0	Background/Standard	No Exceedance
APW07	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/25/23	13	0	CB around linear reg	1.5	6.90	Background	No Exceedance
APW07	UA	E002	Selenium, total	mg/L	12/15/15 - 07/25/23	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW07	UA	E002	Sulfate, total	mg/L	12/15/15 - 07/25/23	24	17	CB around T-S line	8.94	400	Standard	No Exceedance
APW07	UA	E002	Thallium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW07	UA	E002	Total Dissolved Solids	mg/L	12/15/15 - 07/25/23	23	0	CB around T-S line	523	1,200	Standard	No Exceedance
APW08	UA	E002	Antimony, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW08	UA	E002	Arsenic, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.0208	0.0590	Background	No Exceedance
APW08	UA	E002	Barium, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.463	2.0	Standard	No Exceedance
APW08	UA	E002	Beryllium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW08	UA	E002	Boron, total	mg/L	12/15/15 - 07/31/23	23	0	CB around T-S line	0.0867	2	Standard	No Exceedance
APW08	UA	E002	Cadmium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW08	UA	E002	Chloride, total	mg/L	12/15/15 - 07/31/23	25	0	CI around mean	54.7	200	Standard	No Exceedance
APW08	UA	E002	Chromium, total	mg/L	12/15/15 - 07/31/23	13	54	CI around median	0.004	0.1	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW08	UA	E002	Cobalt, total	mg/L	12/15/15 - 07/31/23	12	75	CI around median	0.002	0.006	Standard	No Exceedance
APW08	UA	E002	Fluoride, total	mg/L	12/15/15 - 07/31/23	23	9	CI around median	0.373	4.0	Standard	No Exceedance
APW08	UA	E002	Lead, total	mg/L	12/15/15 - 07/31/23	13	54	CI around median	0.001	0.0075	Standard	No Exceedance
APW08	UA	E002	Lithium, total	mg/L	12/15/15 - 07/31/23	13	69	CI around median	0.01	0.04	Standard	No Exceedance
APW08	UA	E002	Mercury, total	mg/L	12/15/15 - 07/31/23	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW08	UA	E002	Molybdenum, total	mg/L	12/15/15 - 07/31/23	12	0	CI around mean	0.0046	0.1	Standard	No Exceedance
APW08	UA	E002	pH (field)	SU	12/15/15 - 07/31/23	26	0	CI around mean	7.2/7.4	6.4/9.0	Background/Standard	No Exceedance
APW08	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/31/23	13	0	CI around mean	0.989	6.90	Background	No Exceedance
APW08	UA	E002	Selenium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.001	0.05	Standard	No Exceedance
APW08	UA	E002	Sulfate, total	mg/L	12/15/15 - 07/31/23	25	0	CB around linear reg	45.4	400	Standard	No Exceedance
APW08	UA	E002	Thallium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW08	UA	E002	Total Dissolved Solids	mg/L	12/15/15 - 07/31/23	23	0	CB around linear reg	590	1,200	Standard	No Exceedance
APW09	UA	E002	Antimony, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW09	UA	E002	Arsenic, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.025	0.0590	Background	No Exceedance
APW09	UA	E002	Barium, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.336	2.0	Standard	No Exceedance
APW09	UA	E002	Beryllium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW09	UA	E002	Boron, total	mg/L	12/15/15 - 07/31/23	23	0	CB around T-S line	0.0876	2	Standard	No Exceedance
APW09	UA	E002	Cadmium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW09	UA	E002	Chloride, total	mg/L	12/15/15 - 07/31/23	25	0	CB around T-S line	121	200	Standard	No Exceedance
APW09	UA	E002	Chromium, total	mg/L	12/15/15 - 07/31/23	13	69	CI around median	0.004	0.1	Standard	No Exceedance
APW09	UA	E002	Cobalt, total	mg/L	12/15/15 - 07/31/23	12	92	CI around median	0.002	0.006	Standard	No Exceedance
APW09	UA	E002	Fluoride, total	mg/L	12/15/15 - 07/31/23	24	4	CI around mean	0.45	4.0	Standard	No Exceedance
APW09	UA	E002	Lead, total	mg/L	12/15/15 - 07/31/23	13	54	CI around median	0.001	0.0075	Standard	No Exceedance
APW09	UA	E002	Lithium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.01	0.04	Standard	No Exceedance
APW09	UA	E002	Mercury, total	mg/L	12/15/15 - 07/31/23	13	85	CI around median	0.0002	0.002	Standard	No Exceedance
APW09	UA	E002	Molybdenum, total	mg/L	12/15/15 - 07/31/23	12	0	CB around linear reg	-0.00632	0.1	Standard	No Exceedance
APW09	UA	E002	pH (field)	SU	12/15/15 - 07/31/23	25	0	CI around median	7.4/7.5	6.4/9.0	Background/Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW09	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/31/23	13	0	CI around geomean	0.878	6.90	Background	No Exceedance
APW09	UA	E002	Selenium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.001	0.05	Standard	No Exceedance
APW09	UA	E002	Sulfate, total	mg/L	12/15/15 - 07/31/23	25	8	CI around geomean	4.68	400	Standard	No Exceedance
APW09	UA	E002	Thallium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW09	UA	E002	Total Dissolved Solids	mg/L	12/15/15 - 07/31/23	24	0	CB around T-S line	755	1,200	Standard	No Exceedance
APW10	UA	E002	Antimony, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW10	UA	E002	Arsenic, total	mg/L	12/16/15 - 07/31/23	15	0	CI around mean	0.00612	0.0590	Background	No Exceedance
APW10	UA	E002	Barium, total	mg/L	12/16/15 - 07/31/23	15	0	CI around mean	0.0289	2.0	Standard	No Exceedance
APW10	UA	E002	Beryllium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW10	UA	E002	Boron, total	mg/L	12/16/15 - 07/31/23	25	0	CB around linear reg	0.0782	2	Standard	No Exceedance
APW10	UA	E002	Cadmium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW10	UA	E002	Chloride, total	mg/L	12/16/15 - 07/31/23	26	0	CI around mean	45.4	200	Standard	No Exceedance
APW10	UA	E002	Chromium, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW10	UA	E002	Cobalt, total	mg/L	12/16/15 - 07/31/23	14	93	CI around median	0.002	0.006	Standard	No Exceedance
APW10	UA	E002	Fluoride, total	mg/L	12/16/15 - 07/31/23	25	20	CI around mean	0.299	4.0	Standard	No Exceedance
APW10	UA	E002	Lead, total	mg/L	12/16/15 - 07/31/23	15	87	CI around median	0.001	0.0075	Standard	No Exceedance
APW10	UA	E002	Lithium, total	mg/L	12/16/15 - 07/31/23	15	7	CB around linear reg	0.014	0.04	Standard	No Exceedance
APW10	UA	E002	Mercury, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW10	UA	E002	Molybdenum, total	mg/L	12/16/15 - 07/31/23	14	0	CB around linear reg	0.00554	0.1	Standard	No Exceedance
APW10	UA	E002	pH (field)	SU	12/16/15 - 07/31/23	28	0	CB around linear reg	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW10	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 07/31/23	15	0	CI around mean	0.453	6.90	Background	No Exceedance
APW10	UA	E002	Selenium, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW10	UA	E002	Sulfate, total	mg/L	12/16/15 - 07/31/23	27	0	CI around median	410	400	Standard	Exceedance
APW10	UA	E002	Thallium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW10	UA	E002	Total Dissolved Solids	mg/L	12/16/15 - 07/31/23	27	0	CB around linear reg	1,030	1,200	Standard	No Exceedance
APW11	UA	E002	Antimony, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW11	UA	E002	Arsenic, total	mg/L	02/18/21 - 07/24/23	11	0	CI around mean	0.00182	0.0590	Background	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW11	UA	E002	Barium, total	mg/L	02/18/21 - 07/24/23	11	0	CB around T-S line	-0.375	2.0	Standard	No Exceedance
APW11	UA	E002	Beryllium, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW11	UA	E002	Boron, total	mg/L	02/18/21 - 07/24/23	11	0	CI around median	0.063	2	Standard	No Exceedance
APW11	UA	E002	Cadmium, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW11	UA	E002	Chloride, total	mg/L	02/18/21 - 07/24/23	11	0	CI around median	25	200	Standard	No Exceedance
APW11	UA	E002	Chromium, total	mg/L	02/18/21 - 07/24/23	11	64	CI around median	0.004	0.1	Standard	No Exceedance
APW11	UA	E002	Cobalt, total	mg/L	02/18/21 - 07/24/23	11	64	CI around median	0.002	0.006	Standard	No Exceedance
APW11	UA	E002	Fluoride, total	mg/L	02/18/21 - 07/24/23	11	46	CI around mean	0.248	4.0	Standard	No Exceedance
APW11	UA	E002	Lead, total	mg/L	02/18/21 - 07/24/23	11	54	CI around median	0.001	0.0075	Standard	No Exceedance
APW11	UA	E002	Lithium, total	mg/L	02/18/21 - 07/24/23	11	9	CI around mean	0.0178	0.04	Standard	No Exceedance
APW11	UA	E002	Mercury, total	mg/L	02/18/21 - 07/24/23	11	82	CI around median	0.0002	0.002	Standard	No Exceedance
APW11	UA	E002	Molybdenum, total	mg/L	02/18/21 - 07/24/23	10	0	CB around T-S line	-0.0654	0.1	Standard	No Exceedance
APW11	UA	E002	pH (field)	SU	02/18/21 - 07/24/23	11	0	CI around median	6.6/7.2	6.4/9.0	Background/Standard	No Exceedance
APW11	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/24/23	10	0	CI around geomean	0.529	6.90	Background	No Exceedance
APW11	UA	E002	Selenium, total	mg/L	02/18/21 - 07/24/23	11	82	CI around median	0.001	0.05	Standard	No Exceedance
APW11	UA	E002	Sulfate, total	mg/L	02/18/21 - 07/24/23	11	0	CI around median	260	400	Standard	No Exceedance
APW11	UA	E002	Thallium, total	mg/L	02/18/21 - 07/24/23	11	91	CI around median	0.001	0.002	Standard	No Exceedance
APW11	UA	E002	Total Dissolved Solids	mg/L	02/18/21 - 07/24/23	11	0	CI around mean	813	1,200	Standard	No Exceedance
APW12	UD	E002	Antimony, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW12	UD	E002	Arsenic, total	mg/L	02/17/21 - 07/24/23	11	9	CI around mean	0.0013	0.0590	Background	No Exceedance
APW12	UD	E002	Barium, total	mg/L	02/17/21 - 07/24/23	11	0	CB around linear reg	0.0162	2.0	Standard	No Exceedance
APW12	UD	E002	Beryllium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW12	UD	E002	Boron, total	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	0.192	2	Standard	No Exceedance
APW12	UD	E002	Cadmium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW12	UD	E002	Chloride, total	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	21.7	200	Standard	No Exceedance
APW12	UD	E002	Chromium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW12	UD	E002	Cobalt, total	mg/L	02/17/21 - 07/24/23	11	18	CB around linear reg	-0.0016	0.006	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW12	UD	E002	Fluoride, total	mg/L	02/17/21 - 07/24/23	11	91	CI around median	0.25	4.0	Standard	No Exceedance
APW12	UD	E002	Lead, total	mg/L	02/17/21 - 07/24/23	11	91	CI around median	0.001	0.0075	Standard	No Exceedance
APW12	UD	E002	Lithium, total	mg/L	02/17/21 - 07/24/23	11	0	CI around geomean	0.0248	0.04	Standard	No Exceedance
APW12	UD	E002	Mercury, total	mg/L	02/17/21 - 07/24/23	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
APW12	UD	E002	Molybdenum, total	mg/L	02/17/21 - 07/24/23	10	50	CI around geomean	0.000968	0.1	Standard	No Exceedance
APW12	UD	E002	pH (field)	SU	02/17/21 - 07/24/23	11	0	CI around mean	6.3/6.5	6.4/9.0	Background/Standard	No Exceedance
APW12	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 07/24/23	10	0	CI around geomean	0.165	6.90	Background	No Exceedance
APW12	UD	E002	Selenium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW12	UD	E002	Sulfate, total	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	271	400	Standard	No Exceedance
APW12	UD	E002	Thallium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW12	UD	E002	Total Dissolved Solids	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	1,170	1,200	Standard	No Exceedance
APW13	UA	E002	Antimony, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E002	Arsenic, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.00331	0.0590	Background	No Exceedance
APW13	UA	E002	Barium, total	mg/L	02/22/21 - 07/31/23	11	0	CI around median	0.05	2.0	Standard	No Exceedance
APW13	UA	E002	Beryllium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW13	UA	E002	Boron, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.107	2	Standard	No Exceedance
APW13	UA	E002	Cadmium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW13	UA	E002	Chloride, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	46.4	200	Standard	No Exceedance
APW13	UA	E002	Chromium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW13	UA	E002	Cobalt, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E002	Fluoride, total	mg/L	02/22/21 - 07/31/23	11	9	CI around mean	0.299	4.0	Standard	No Exceedance
APW13	UA	E002	Lead, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW13	UA	E002	Lithium, total	mg/L	02/22/21 - 07/31/23	11	0	CB around linear reg	0.00549	0.04	Standard	No Exceedance
APW13	UA	E002	Mercury, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW13	UA	E002	Molybdenum, total	mg/L	02/22/21 - 07/31/23	10	0	CB around linear reg	-0.000226	0.1	Standard	No Exceedance
APW13	UA	E002	pH (field)	SU	02/22/21 - 07/31/23	11	0	CI around median	6.9/7.3	6.4/9.0	Background/Standard	No Exceedance
APW13	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 07/31/23	10	0	CI around mean	0.304	6.90	Background	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
 845 QUARTERLY REPORT  
 NEWTON POWER PLANT  
 PRIMARY ASH POND  
 NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW13	UA	E002	Selenium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW13	UA	E002	Sulfate, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	212	400	Standard	No Exceedance
APW13	UA	E002	Thallium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW13	UA	E002	Total Dissolved Solids	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	809	1,200	Standard	No Exceedance
APW14	UA	E002	Antimony, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW14	UA	E002	Arsenic, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.00533	0.0590	Background	No Exceedance
APW14	UA	E002	Barium, total	mg/L	02/22/21 - 07/31/23	11	0	CB around linear reg	0.0314	2.0	Standard	No Exceedance
APW14	UA	E002	Beryllium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW14	UA	E002	Boron, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.0958	2	Standard	No Exceedance
APW14	UA	E002	Cadmium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW14	UA	E002	Chloride, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	41.8	200	Standard	No Exceedance
APW14	UA	E002	Chromium, total	mg/L	02/22/21 - 07/31/23	11	91	CI around median	0.004	0.1	Standard	No Exceedance
APW14	UA	E002	Cobalt, total	mg/L	02/22/21 - 07/31/23	11	91	CI around median	0.002	0.006	Standard	No Exceedance
APW14	UA	E002	Fluoride, total	mg/L	02/22/21 - 07/31/23	11	27	CI around mean	0.271	4.0	Standard	No Exceedance
APW14	UA	E002	Lead, total	mg/L	02/22/21 - 07/31/23	11	73	CI around median	0.001	0.0075	Standard	No Exceedance
APW14	UA	E002	Lithium, total	mg/L	02/22/21 - 07/31/23	11	18	CB around linear reg	0.00124	0.04	Standard	No Exceedance
APW14	UA	E002	Mercury, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW14	UA	E002	Molybdenum, total	mg/L	02/22/21 - 07/31/23	10	0	CB around linear reg	-0.00289	0.1	Standard	No Exceedance
APW14	UA	E002	pH (field)	SU	02/22/21 - 07/31/23	11	0	CI around median	7.0/7.5	6.4/9.0	Background/Standard	No Exceedance
APW14	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 07/31/23	10	0	CI around mean	0.41	6.90	Background	No Exceedance
APW14	UA	E002	Selenium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW14	UA	E002	Sulfate, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	317	400	Standard	No Exceedance
APW14	UA	E002	Thallium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW14	UA	E002	Total Dissolved Solids	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	900	1,200	Standard	No Exceedance
APW15	UA	E002	Antimony, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW15	UA	E002	Arsenic, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.0169	0.0590	Background	No Exceedance
APW15	UA	E002	Barium, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.564	2.0	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
 845 QUARTERLY REPORT  
 NEWTON POWER PLANT  
 PRIMARY ASH POND  
 NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW15	UA	E002	Beryllium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW15	UA	E002	Boron, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.126	2	Standard	No Exceedance
APW15	UA	E002	Cadmium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW15	UA	E002	Chloride, total	mg/L	02/23/21 - 08/01/23	11	0	CI around median	230	200	Standard	Exceedance
APW15	UA	E002	Chromium, total	mg/L	02/23/21 - 08/01/23	11	73	CI around median	0.004	0.1	Standard	No Exceedance
APW15	UA	E002	Cobalt, total	mg/L	02/23/21 - 08/01/23	11	73	CI around median	0.002	0.006	Standard	No Exceedance
APW15	UA	E002	Fluoride, total	mg/L	02/23/21 - 08/01/23	11	0	CI around geomean	0.568	4.0	Standard	No Exceedance
APW15	UA	E002	Lead, total	mg/L	02/23/21 - 08/01/23	11	46	CI around median	0.001	0.0075	Standard	No Exceedance
APW15	UA	E002	Lithium, total	mg/L	02/23/21 - 08/01/23	11	73	CI around median	0.02	0.04	Standard	No Exceedance
APW15	UA	E002	Mercury, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW15	UA	E002	Molybdenum, total	mg/L	02/23/21 - 08/01/23	10	0	CB around linear reg	-0.000246	0.1	Standard	No Exceedance
APW15	UA	E002	pH (field)	SU	02/23/21 - 08/01/23	11	0	CI around median	6.9/7.3	6.4/9.0	Background/Standard	No Exceedance
APW15	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 08/01/23	10	0	CI around mean	1.55	6.90	Background	No Exceedance
APW15	UA	E002	Selenium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW15	UA	E002	Sulfate, total	mg/L	02/23/21 - 08/01/23	11	91	CI around median	1	400	Standard	No Exceedance
APW15	UA	E002	Thallium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW15	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	1,030	1,200	Standard	No Exceedance
APW16	UA	E002	Antimony, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E002	Arsenic, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.00821	0.0590	Background	No Exceedance
APW16	UA	E002	Barium, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.554	2.0	Standard	No Exceedance
APW16	UA	E002	Beryllium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW16	UA	E002	Boron, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.13	2	Standard	No Exceedance
APW16	UA	E002	Cadmium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW16	UA	E002	Chloride, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	65.6	200	Standard	No Exceedance
APW16	UA	E002	Chromium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW16	UA	E002	Cobalt, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E002	Fluoride, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.617	4.0	Standard	No Exceedance



**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW16	UA	E002	Lead, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW16	UA	E002	Lithium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.003	0.04	Standard	No Exceedance
APW16	UA	E002	Mercury, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW16	UA	E002	Molybdenum, total	mg/L	02/23/21 - 07/31/23	10	50	CB around linear reg	-0.00225	0.1	Standard	No Exceedance
APW16	UA	E002	pH (field)	SU	02/23/21 - 07/31/23	11	0	CI around mean	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW16	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/31/23	10	0	CI around geomean	1.28	6.90	Background	No Exceedance
APW16	UA	E002	Selenium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW16	UA	E002	Sulfate, total	mg/L	02/23/21 - 07/31/23	11	82	CI around median	1	400	Standard	No Exceedance
APW16	UA	E002	Thallium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW16	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 07/31/23	11	0	CI around median	665	1,200	Standard	No Exceedance
APW17	UA	E002	Antimony, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E002	Arsenic, total	mg/L	02/23/21 - 07/25/23	11	0	CB around linear reg	0.0221	0.0590	Background	No Exceedance
APW17	UA	E002	Barium, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.57	2.0	Standard	No Exceedance
APW17	UA	E002	Beryllium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW17	UA	E002	Boron, total	mg/L	02/23/21 - 07/25/23	11	0	CI around median	0.083	2	Standard	No Exceedance
APW17	UA	E002	Cadmium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW17	UA	E002	Chloride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	44.9	200	Standard	No Exceedance
APW17	UA	E002	Chromium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW17	UA	E002	Cobalt, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E002	Fluoride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.414	4.0	Standard	No Exceedance
APW17	UA	E002	Lead, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW17	UA	E002	Lithium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.003	0.04	Standard	No Exceedance
APW17	UA	E002	Mercury, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW17	UA	E002	Molybdenum, total	mg/L	02/23/21 - 07/25/23	10	0	CI around median	0.0048	0.1	Standard	No Exceedance
APW17	UA	E002	pH (field)	SU	02/23/21 - 07/25/23	11	0	CI around mean	7.2/7.6	6.4/9.0	Background/Standard	No Exceedance
APW17	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/25/23	10	0	CI around mean	0.787	6.90	Background	No Exceedance
APW17	UA	E002	Selenium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**  
 845 QUARTERLY REPORT  
 NEWTON POWER PLANT  
 PRIMARY ASH POND  
 NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW17	UA	E002	Sulfate, total	mg/L	02/23/21 - 07/25/23	11	9	CB around T-S line	-74	400	Standard	No Exceedance
APW17	UA	E002	Thallium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW17	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	634	1,200	Standard	No Exceedance
APW18	UA	E002	Antimony, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.003	0.006	Standard	No Exceedance
APW18	UA	E002	Arsenic, total	mg/L	02/23/21 - 07/25/23	11	9	CI around mean	0.00154	0.0590	Background	No Exceedance
APW18	UA	E002	Barium, total	mg/L	02/23/21 - 07/25/23	11	0	CI around median	0.33	2.0	Standard	No Exceedance
APW18	UA	E002	Beryllium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.001	0.004	Standard	No Exceedance
APW18	UA	E002	Boron, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.106	2	Standard	No Exceedance
APW18	UA	E002	Cadmium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.001	0.005	Standard	No Exceedance
APW18	UA	E002	Chloride, total	mg/L	02/23/21 - 07/25/23	11	0	CB around T-S line	-217	200	Standard	No Exceedance
APW18	UA	E002	Chromium, total	mg/L	02/23/21 - 07/25/23	11	73	CB around T-S line	-0.0376	0.1	Standard	No Exceedance
APW18	UA	E002	Cobalt, total	mg/L	02/23/21 - 07/25/23	11	73	CI around median	0.002	0.006	Standard	No Exceedance
APW18	UA	E002	Fluoride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around geomean	0.663	4.0	Standard	No Exceedance
APW18	UA	E002	Lead, total	mg/L	02/23/21 - 07/25/23	11	54	CB around T-S line	-0.0485	0.0075	Standard	No Exceedance
APW18	UA	E002	Lithium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.02	0.04	Standard	No Exceedance
APW18	UA	E002	Mercury, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
APW18	UA	E002	Molybdenum, total	mg/L	02/23/21 - 07/25/23	10	0	CB around linear reg	-0.0188	0.1	Standard	No Exceedance
APW18	UA	E002	pH (field)	SU	02/23/21 - 07/25/23	11	0	CI around mean	7.4/7.8	6.4/9.0	Background/Standard	No Exceedance
APW18	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/25/23	10	0	CI around mean	1.47	6.90	Background	No Exceedance
APW18	UA	E002	Selenium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.001	0.05	Standard	No Exceedance
APW18	UA	E002	Sulfate, total	mg/L	02/23/21 - 07/25/23	11	18	CI around geomean	2.29	400	Standard	No Exceedance
APW18	UA	E002	Thallium, total	mg/L	02/23/21 - 07/25/23	11	82	CI around median	0.001	0.002	Standard	No Exceedance
APW18	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	511	1,200	Standard	No Exceedance

**TABLE 2.**  
**COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023**

845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

**Notes:**

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

UD = Upper Drift

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

GWPS = Groundwater Protection Standard

GWPS Source:

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

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



## FIGURES





- COMPLIANCE WELL
- BACKGROUND WELL
- STAFF GAUGE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

0 500 1,000 Feet

### 35 I.A.C. § 845 MONITORING WELL LOCATION MAP

**PRIMARY ASH POND**  
NEWTON POWER PLANT  
NEWTON, ILLINOIS

**FIGURE 1**

RAMBOLL AMERICAS  
ENGINEERING SOLUTIONS, INC.





## **ATTACHMENTS**

**ATTACHMENT A  
GROUNDWATER ELEVATION DATA  
QUARTER 3, 2023**

**ATTACHMENT A.  
GROUNDWATER ELEVATION DATA - QUARTER 3, 2023**

845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
APW02	Compliance	07/24/2023	7.32	526.29
APW03	Compliance	07/24/2023	8.47	523.94
APW04	Compliance	07/24/2023	5.93	519.13
APW05	Background	07/24/2023	14.38	529.69
APW05S	Compliance	07/24/2023	13.32	530.62
APW06	Background	07/24/2023	19.40	526.67
APW07	Compliance	07/24/2023	47.36	491.01
APW08	Compliance	07/24/2023	38.33	490.64
APW09	Compliance	07/24/2023	27.85	503.67
APW10	Compliance	07/24/2023	19.40	504.85
APW11	Compliance	07/24/2023	25.09	513.54
APW12	Compliance	07/24/2023	15.93	530.36
APW13	Compliance	07/24/2023	33.49	504.50
APW14	Compliance	07/24/2023	22.12	504.17
APW15	Compliance	07/24/2023	21.40	503.29
APW16	Compliance	07/24/2023	40.89	490.29
APW17	Compliance	07/24/2023	41.81	490.71
APW18	Compliance	07/24/2023	52.25	491.02
XSG01	Water Level	08/07/2023	[1.74]	[534.43]
SG02	Water Level	08/07/2023	[17.88]	[489.01]

**Notes:**

Only wells with groundwater elevations measured are included.

BMP = below measuring point

Bracketing [ ] indicates that the measurement was obtained outside of the 24-hour period from initiation of depth to groundwater measurements.

NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B  
LABORATORY REPORTS AND FIELD DATA SHEETS  
QUARTER 3, 2023**

November 09, 2023

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



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

**RE: NEW-23Q3**

**WorkOrder: 23070389**

Dear Eric Bauer:

TEKLAB, INC received 26 samples for NEW\_845\_501 on 8/17/2023 2:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



## Report Contents

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

**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

**This reporting package includes the following:**

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Sample Summary	52
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Receiving Check List	191
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**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

### Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count ( > 200 CFU )



## Definitions

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

**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

### Qualifiers

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



## Case Narrative

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3

**Work Order:** 23070389  
**Report Date:** 09-Nov-23

### Cooler Receipt Temp: 3.8 °C

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

Lab conductivity will be reported for APW02, APW03, APW04, APW05S, APW07, APW08, APW09, APW10, APW13, APW14, APW17, G104, G106, G118, G139, G141, G201, G208, G217S, G221, G225, R217D, R219 and applicable field duplicates due to field meter malfunction(s). JC/EAH 8/2/23

A215, G06D, G105, G202, G230, and MW46D could not be collected; the wells were dry. G108 could not be collected; the well was abandoned. L301 could not be collected; the well was inoperable. EAH 8/2/23

Depth, only, wells will be reported with collection dates/times per the field file. G118 will be reported as collected at 0726 per the field file. EAH 8/4/23

Per Eric Bauer, include total Iron for G201, G223, and G224 and include total and dissolved Iron for G231, G232, and G233. (ehurley - 8/10/2023 7:54:42 AM)

G104D and G223 collection times will be reported per the field file(s) rather than the chain of custody forms. EAH 8/16/23

A214, G116, G231, G232, MW35D, and APW02 (and its field duplicate) required resampling due to field meter errors. The resamples will be included in the final report(s). MW35D was dry at resampling. EAH 8/18/23

Per Eric Bauer's request, on NEW\_845\_501 data is included in this report. EAH 11/9/23

### Locations

#### Collinsville

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

#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
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**Phone** (618) 344-1004  
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Springfield, IL 62711-9415  
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#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515  
**Phone** (630) 324-6855  
**Fax**  
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#### 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:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

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



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-006  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW03  
Collection Date: 07/31/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.47	ft	1	07/31/2023 13:47	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.6	NTU	1	07/31/2023 13:47	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		64	mV	1	07/31/2023 13:47	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.5	°C	1	07/31/2023 13:47	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.75	mg/L	1	07/31/2023 13:47	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.79		1	07/31/2023 13:47	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		446	mg/L	1	08/01/2023 13:40	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/01/2023 13:40	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		620	mg/L	1	08/02/2023 9:32	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		118	mg/L	10	08/04/2023 14:05	R334639
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		918	µmhos/cm @25C	1	08/09/2023 10:19	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	08/02/2023 12:49	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		10	mg/L	1	08/03/2023 19:38	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		96.5	mg/L	1	08/02/2023 11:24	210259
Magnesium	NELAP	0.0055	0.0500		54.3	mg/L	1	08/02/2023 11:24	210259
Potassium	NELAP	0.0400	0.100		0.602	mg/L	1	08/02/2023 11:24	210259
Sodium	NELAP	0.0180	0.0500		56.2	mg/L	1	08/02/2023 11:24	210259
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/04/2023 10:03	210259
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	09/16/2023 13:10	210259
Barium	NELAP	0.0007	0.0010		0.0942	mg/L	5	09/16/2023 13:10	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:10	210259
Boron	NELAP	0.0092	0.0250		0.538	mg/L	5	09/16/2023 13:10	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:10	210259
Chromium	NELAP	0.0007	0.0015	J	0.0014	mg/L	5	09/16/2023 13:10	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	08/04/2023 10:03	210259
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 13:10	210259
Lithium	*	0.0015	0.0030		0.0139	mg/L	5	08/04/2023 10:03	210259
Molybdenum	*	0.0006	0.0015	J	0.0013	mg/L	5	09/16/2023 13:10	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 10:03	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 10:03	210259





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-006  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW03  
**Collection Date:** 07/31/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:04	210255



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-007  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: APW04

Collection Date: 07/31/2023 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		5.93	ft	1	07/31/2023 11:53	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.0	NTU	1	07/31/2023 11:53	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		92	mV	1	07/31/2023 11:53	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		18.9	°C	1	07/31/2023 11:53	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	07/31/2023 11:53	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.59		1	07/31/2023 11:53	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		511	mg/L	1	08/01/2023 13:47	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/01/2023 13:47	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1770	mg/L	1	08/02/2023 10:47	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	307	500		808	mg/L	50	08/04/2023 14:31	R334639
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		1950	µmhos/cm @25C	1	08/09/2023 10:22	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.18	mg/L	1	08/02/2023 12:51	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		36	mg/L	1	08/03/2023 20:15	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		211	mg/L	1	08/02/2023 11:25	210259
Magnesium	NELAP	0.0055	0.0500		174	mg/L	1	08/02/2023 11:25	210259
Potassium	NELAP	0.0400	0.100		1.72	mg/L	1	08/02/2023 11:25	210259
Sodium	NELAP	0.0180	0.0500		90.6	mg/L	1	08/02/2023 11:25	210259
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	08/04/2023 12:20	210259
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	09/16/2023 13:15	210259
Barium	NELAP	0.0007	0.0010		0.0247	mg/L	5	09/16/2023 13:15	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:15	210259
Boron	NELAP	0.0092	0.0250		0.0402	mg/L	5	09/16/2023 13:15	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:15	210259
Chromium	NELAP	0.0007	0.0015		0.0121	mg/L	5	09/16/2023 13:15	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	08/04/2023 12:20	210259
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 13:15	210259
Lithium	*	0.0015	0.0030		0.0225	mg/L	5	08/04/2023 12:20	210259
Molybdenum	*	0.0006	0.0015	J	0.0014	mg/L	5	09/16/2023 13:15	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 12:20	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 12:20	210259



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-007  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW04  
**Collection Date:** 07/31/2023 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:11	210255



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-008  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW05  
Collection Date: 07/24/2023 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		14.34	ft	1	07/24/2023 13:52	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		14	NTU	1	07/24/2023 13:52	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-88	mV	1	07/24/2023 13:52	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1030	µS/cm	1	07/24/2023 13:52	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.6	°C	1	07/24/2023 13:52	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.36	mg/L	1	07/24/2023 13:52	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		8.02		1	07/24/2023 13:52	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		474	mg/L	1	07/26/2023 10:36	R333138
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/26/2023 10:36	R333138
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		550	mg/L	2.5	07/26/2023 9:18	R333199
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		10	mg/L	1	07/27/2023 17:21	R333276
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.48	mg/L	1	07/26/2023 12:13	R333087
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		46	mg/L	1	07/27/2023 17:22	R333281
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		50.4	mg/L	1	07/26/2023 14:00	209945
Magnesium	NELAP	0.0060	0.0500		25.4	mg/L	1	07/26/2023 14:00	209945
Potassium	NELAP	0.0400	0.100		1.55	mg/L	1	07/26/2023 14:00	209945
Sodium	NELAP	0.0180	0.0500		128	mg/L	1	07/26/2023 14:00	209945
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/02/2023 0:22	209945
Arsenic	NELAP	0.0004	0.0010		0.0293	mg/L	5	09/16/2023 15:53	209945
Barium	NELAP	0.0007	0.0010		0.312	mg/L	5	09/16/2023 15:53	209945
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 15:53	209945
Boron	NELAP	0.0092	0.0250		0.108	mg/L	5	09/16/2023 15:53	209945
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 15:53	209945
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	09/16/2023 15:53	209945
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	08/02/2023 0:22	209945
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 15:53	209945
Lithium	*	0.0015	0.0030		0.0088	mg/L	5	08/02/2023 0:22	209945
Molybdenum	*	0.0006	0.0015		0.0114	mg/L	5	09/16/2023 15:53	209945
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 0:22	209945
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/02/2023 0:22	209945



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-008  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW05  
**Collection Date:** 07/24/2023 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	07/26/2023 14:59	209946





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-009  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW05S  
Collection Date: 07/25/2023 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		13.59	ft	1	07/25/2023 12:53	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		50	NTU	1	07/25/2023 12:53	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		36	mV	1	07/25/2023 12:53	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		19.5	°C	1	07/25/2023 12:53	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.31	mg/L	1	07/25/2023 12:53	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.88		1	07/25/2023 12:53	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		541	mg/L	1	07/27/2023 10:08	R333225
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/27/2023 10:08	R333225
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		3200	mg/L	2.5	07/27/2023 9:28	R333268
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	307	500		1790	mg/L	50	08/03/2023 17:02	R334559
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		3530	µmhos/cm @25C	1	08/09/2023 10:42	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.41	mg/L	1	07/27/2023 9:44	R333194
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		123	mg/L	10	08/01/2023 0:09	R334401
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		355	mg/L	1	08/01/2023 18:05	210094
Magnesium	NELAP	0.0055	0.0500		282	mg/L	1	08/01/2023 18:05	210094
Potassium	NELAP	0.0400	0.100		2.17	mg/L	1	08/01/2023 18:05	210094
Sodium	NELAP	0.0180	0.0500		257	mg/L	1	08/01/2023 18:05	210094
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	07/29/2023 9:37	210094
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	07/29/2023 9:37	210094
Barium	NELAP	0.0007	0.0010		0.0328	mg/L	5	07/29/2023 9:37	210094
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/31/2023 16:08	210094
Boron	NELAP	0.0092	0.0250		0.209	mg/L	5	07/31/2023 16:08	210094
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/29/2023 9:37	210094
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	07/31/2023 16:08	210094
Cobalt	NELAP	0.0001	0.0010		0.0020	mg/L	5	07/31/2023 16:08	210094
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	07/29/2023 9:37	210094
Lithium	*	0.0015	0.0030		0.0350	mg/L	5	08/02/2023 3:47	210094
Molybdenum	*	0.0006	0.0015	J	0.0013	mg/L	5	07/29/2023 9:37	210094
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 3:47	210094
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	07/29/2023 9:37	210094

Sample result for Mn exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.

CCV recovered outside the upper control limits for TL. Sample results are below the reporting limit. Data is reportable per the TNI standard.



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-009  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW05S  
**Collection Date:** 07/25/2023 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/03/2023 11:28	210305



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-010  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: APW06

Collection Date: 07/25/2023 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		19.50	ft	1	07/25/2023 12:22	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		18	NTU	1	07/25/2023 12:22	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		22	mV	1	07/25/2023 12:22	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		647	µS/cm	1	07/25/2023 12:22	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.5	°C	1	07/25/2023 12:22	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.39	mg/L	1	07/25/2023 12:22	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.70		1	07/25/2023 12:22	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		456	mg/L	1	07/27/2023 10:16	R333225
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/27/2023 10:16	R333225
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		540	mg/L	2.5	07/27/2023 9:28	R333268
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		17	mg/L	1	08/02/2023 21:00	R334506
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.58	mg/L	1	07/27/2023 9:46	R333194
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		24	mg/L	1	08/02/2023 21:00	R334538
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	53.7	mg/L	1	08/01/2023 18:06	210094
Magnesium	NELAP	0.0055	0.0500		24.7	mg/L	1	08/01/2023 18:06	210094
Potassium	NELAP	0.0400	0.100		1.42	mg/L	1	08/01/2023 18:06	210094
Sodium	NELAP	0.0180	0.0500	S	115	mg/L	1	08/01/2023 18:06	210094
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	07/31/2023 16:40	210094
Arsenic	NELAP	0.0004	0.0010		0.0047	mg/L	5	09/15/2023 23:08	210307
Barium	NELAP	0.0007	0.0010		0.254	mg/L	5	09/15/2023 23:08	210307
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/31/2023 16:40	210094
Boron	NELAP	0.0092	0.0250	S	0.605	mg/L	5	08/02/2023 2:30	210094
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/31/2023 16:40	210094
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	07/31/2023 16:40	210094
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	07/31/2023 16:40	210094
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	07/31/2023 16:40	210094
Lithium	*	0.0015	0.0030		0.0096	mg/L	5	08/04/2023 8:16	210307
Molybdenum	*	0.0006	0.0015		0.0071	mg/L	5	09/15/2023 23:08	210307
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 2:30	210094
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	07/31/2023 16:40	210094
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-010  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW06  
**Collection Date:** 07/25/2023 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	<b>0.00013</b>	mg/L	1	08/03/2023 11:30	210305



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-011  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW07  
Collection Date: 07/25/2023 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		47.33	ft	1	07/25/2023 10:10	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		390	NTU	1	07/25/2023 10:10	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		33	mV	1	07/25/2023 10:10	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.8	°C	1	07/25/2023 10:10	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		9.50	mg/L	1	07/25/2023 10:10	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.35		1	07/25/2023 10:10	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		493	mg/L	1	07/27/2023 10:24	R333225
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/27/2023 10:24	R333225
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		605	mg/L	2.5	07/27/2023 9:28	R333268
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		23	mg/L	1	08/02/2023 21:07	R334506
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		998	µmhos/cm @25C	1	08/09/2023 10:04	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.43	mg/L	1	07/27/2023 9:47	R333194
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		62	mg/L	10	08/02/2023 21:14	R334538
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		90.4	mg/L	1	08/01/2023 18:08	210094
Magnesium	NELAP	0.0055	0.0500		34.8	mg/L	1	08/01/2023 18:08	210094
Potassium	NELAP	0.0400	0.100		1.76	mg/L	1	08/01/2023 18:08	210094
Sodium	NELAP	0.0180	0.0500		91.2	mg/L	1	08/01/2023 18:08	210094
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	07/29/2023 9:43	210094
Arsenic	NELAP	0.0004	0.0010		0.0146	mg/L	5	07/29/2023 9:43	210094
Barium	NELAP	0.0007	0.0010		0.519	mg/L	5	07/29/2023 9:43	210094
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/31/2023 16:14	210094
Boron	NELAP	0.0092	0.0250		0.144	mg/L	5	07/31/2023 16:14	210094
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/29/2023 9:43	210094
Chromium	NELAP	0.0007	0.0015	J	0.0015	mg/L	5	07/31/2023 16:14	210094
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	07/31/2023 16:14	210094
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	07/29/2023 9:43	210094
Lithium	*	0.0015	0.0030		0.0034	mg/L	5	08/02/2023 3:53	210094
Molybdenum	*	0.0006	0.0015		0.0020	mg/L	5	07/29/2023 9:43	210094
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 3:53	210094
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	07/29/2023 9:43	210094





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-011  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW07  
**Collection Date:** 07/25/2023 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>Mn was detected in the MBLK at a level above the MDL and the RL. Sample result showed a low level of Mn. Sample results may be biased high by detectable levels in the MBLK. Sample is consumed.</i>									
<i>CCV recovered outside the upper control limits for TL. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/03/2023 11:32	210305



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-012  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW08  
Collection Date: 07/31/2023 15:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		38.33	ft	1	07/31/2023 15:09	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		11	NTU	1	07/31/2023 15:09	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		94	mV	1	07/31/2023 15:09	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.5	°C	1	07/31/2023 15:09	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	07/31/2023 15:09	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.08		1	07/31/2023 15:09	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		505	mg/L	1	08/01/2023 13:54	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/01/2023 13:54	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		600	mg/L	2.5	08/02/2023 10:47	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	12	20		53	mg/L	2	08/04/2023 14:35	R334639
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		1050	µmhos/cm @25C	1	08/09/2023 10:14	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.44	mg/L	1	08/02/2023 12:54	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		56	mg/L	10	08/03/2023 20:29	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		102	mg/L	1	08/02/2023 11:26	210259
Magnesium	NELAP	0.0055	0.0500		42.9	mg/L	1	08/02/2023 11:26	210259
Potassium	NELAP	0.0400	0.100		1.99	mg/L	1	08/02/2023 11:26	210259
Sodium	NELAP	0.0180	0.0500		85.2	mg/L	1	08/02/2023 11:26	210259
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/04/2023 14:43	210259
Arsenic	NELAP	0.0004	0.0010		0.0308	mg/L	5	09/16/2023 13:21	210259
Barium	NELAP	0.0007	0.0010		0.651	mg/L	5	09/16/2023 13:21	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:21	210259
Boron	NELAP	0.0092	0.0250		0.114	mg/L	5	09/16/2023 13:21	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:21	210259
Chromium	NELAP	0.0007	0.0015		0.0018	mg/L	5	09/16/2023 13:21	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	08/04/2023 14:43	210259
Lead	NELAP	0.0006	0.0010	J	0.0007	mg/L	5	09/16/2023 13:21	210259
Lithium	*	0.0015	0.0030	J	0.0027	mg/L	5	08/04/2023 14:43	210259
Molybdenum	*	0.0006	0.0015		0.0052	mg/L	5	09/16/2023 13:21	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 14:43	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 14:43	210259

CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-012  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW08  
**Collection Date:** 07/31/2023 15:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:13	210255



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-013  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW09  
Collection Date: 07/31/2023 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		27.85	ft	1	07/31/2023 13:32	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.0	NTU	1	07/31/2023 13:32	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		91	mV	1	07/31/2023 13:32	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.9	°C	1	07/31/2023 13:32	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.47	mg/L	1	07/31/2023 13:32	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.20		1	07/31/2023 13:32	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		617	mg/L	1	08/01/2023 14:01	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/01/2023 14:01	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		805	mg/L	2.5	08/02/2023 10:47	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		19	mg/L	1	08/03/2023 20:30	R334559
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		1360	µmhos/cm @25C	1	08/09/2023 10:08	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.50	mg/L	1	08/02/2023 12:56	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		134	mg/L	10	08/03/2023 20:37	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		78.4	mg/L	1	08/02/2023 11:26	210259
Magnesium	NELAP	0.0055	0.0500		39.3	mg/L	1	08/02/2023 11:26	210259
Potassium	NELAP	0.0400	0.100		1.83	mg/L	1	08/02/2023 11:26	210259
Sodium	NELAP	0.0180	0.0500		191	mg/L	1	08/02/2023 11:26	210259
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	08/04/2023 12:08	210259
Arsenic	NELAP	0.0004	0.0010		0.0355	mg/L	5	09/16/2023 13:26	210259
Barium	NELAP	0.0007	0.0010		0.564	mg/L	5	09/16/2023 13:26	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:26	210259
Boron	NELAP	0.0092	0.0250		0.121	mg/L	5	09/16/2023 13:26	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:26	210259
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	09/16/2023 13:26	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	08/04/2023 12:08	210259
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 13:26	210259
Lithium	*	0.0015	0.0030		0.0075	mg/L	5	08/04/2023 12:08	210259
Molybdenum	*	0.0006	0.0015		0.0042	mg/L	5	09/16/2023 13:26	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 12:08	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 12:08	210259



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-013  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW09  
**Collection Date:** 07/31/2023 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:20	210255





# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-014  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: APW10

Collection Date: 07/31/2023 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		19.40	ft	1	07/31/2023 11:26	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.2	NTU	1	07/31/2023 11:26	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		104	mV	1	07/31/2023 11:26	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.1	°C	1	07/31/2023 11:26	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.58	mg/L	1	07/31/2023 11:26	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.07		1	07/31/2023 11:26	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		416	mg/L	1	08/01/2023 14:09	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/01/2023 14:09	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1060	mg/L	1	08/02/2023 10:48	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		421	mg/L	10	08/03/2023 20:44	R334559
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		1410	µmhos/cm @25C	1	08/09/2023 10:17	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	08/02/2023 12:59	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		45	mg/L	1	08/03/2023 20:39	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	140	mg/L	1	08/02/2023 11:40	210259
Magnesium	NELAP	0.0055	0.0500	S	67.3	mg/L	1	08/02/2023 11:40	210259
Potassium	NELAP	0.0400	0.100		1.50	mg/L	1	08/02/2023 11:40	210259
Sodium	NELAP	0.0180	0.0500	S	112	mg/L	1	08/02/2023 11:40	210259
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	S	< 0.0010	mg/L	5	08/04/2023 12:26	210259
Arsenic	NELAP	0.0004	0.0010		0.0094	mg/L	5	09/16/2023 13:37	210259
Barium	NELAP	0.0007	0.0010		0.0326	mg/L	5	09/16/2023 13:37	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:37	210259
Boron	NELAP	0.0092	0.0250		0.0923	mg/L	5	09/16/2023 13:37	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:37	210259
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	09/16/2023 13:37	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	08/04/2023 12:26	210259
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 13:37	210259
Lithium	*	0.0015	0.0030		0.0215	mg/L	5	08/08/2023 9:43	210259
Molybdenum	*	0.0006	0.0015		0.0083	mg/L	5	09/16/2023 13:37	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 12:26	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 12:26	210259

*Matrix spike recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable.*



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-014  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW10  
**Collection Date:** 07/31/2023 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:22	210255



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-015  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: APW11

Collection Date: 07/24/2023 14:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		25.09	ft	1	07/24/2023 14:53	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		130	NTU	1	07/24/2023 14:53	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-54	mV	1	07/24/2023 14:53	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		1340	µS/cm	1	07/24/2023 14:53	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.5	°C	1	07/24/2023 14:53	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.31	mg/L	1	07/24/2023 14:53	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.17		1	07/24/2023 14:53	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		427	mg/L	1	07/26/2023 10:43	R333138
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/26/2023 10:43	R333138
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		840	mg/L	2.5	07/26/2023 9:18	R333199
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		268	mg/L	10	07/31/2023 14:47	R334391
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	07/26/2023 12:14	R333087
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		25	mg/L	1	07/27/2023 17:33	R333281
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		122	mg/L	1	07/26/2023 14:02	209945
Magnesium	NELAP	0.0060	0.0500		52.7	mg/L	1	07/26/2023 14:02	209945
Potassium	NELAP	0.0400	0.100		2.10	mg/L	1	07/26/2023 14:02	209945
Sodium	NELAP	0.0180	0.0500		89.5	mg/L	1	07/26/2023 14:02	209945
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/02/2023 0:29	209945
Arsenic	NELAP	0.0004	0.0010		0.0054	mg/L	5	09/16/2023 15:58	209945
Barium	NELAP	0.0007	0.0010		0.0492	mg/L	5	09/16/2023 15:58	209945
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 15:58	209945
Boron	NELAP	0.0092	0.0250		0.0646	mg/L	5	09/16/2023 15:58	209945
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 15:58	209945
Chromium	NELAP	0.0007	0.0015		0.0039	mg/L	5	09/16/2023 15:58	209945
Cobalt	NELAP	0.0001	0.0010		0.0013	mg/L	5	08/02/2023 0:29	209945
Lead	NELAP	0.0006	0.0010		0.0041	mg/L	5	09/16/2023 15:58	209945
Lithium	*	0.0015	0.0030		0.0199	mg/L	5	08/02/2023 0:29	209945
Molybdenum	*	0.0006	0.0015		0.0056	mg/L	5	09/16/2023 15:58	209945
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 0:29	209945
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/02/2023 0:29	209945



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-015  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW11  
**Collection Date:** 07/24/2023 14:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	07/26/2023 15:02	209946



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-016  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW12  
Collection Date: 07/24/2023 15:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		15.93	ft	1	07/24/2023 15:23	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	07/24/2023 15:23	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		47	mV	1	07/24/2023 15:23	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2190	µS/cm	1	07/24/2023 15:23	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		13.7	°C	1	07/24/2023 15:23	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.40	mg/L	1	07/24/2023 15:23	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.39		1	07/24/2023 15:23	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		614	mg/L	1	07/26/2023 10:51	R333138
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/26/2023 10:51	R333138
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		1700	mg/L	1	07/26/2023 9:19	R333199
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	123	200		655	mg/L	20	07/31/2023 15:07	R334391
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.15	mg/L	1	07/26/2023 12:16	R333087
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		25	mg/L	1	07/27/2023 18:10	R333281
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		245	mg/L	1	07/26/2023 14:22	209945
Magnesium	NELAP	0.0060	0.0500		114	mg/L	1	07/26/2023 14:22	209945
Potassium	NELAP	0.0400	0.100		1.18	mg/L	1	07/26/2023 14:22	209945
Sodium	NELAP	0.0180	0.0500		129	mg/L	1	07/26/2023 14:22	209945
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/02/2023 0:35	209945
Arsenic	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	09/16/2023 16:04	209945
Barium	NELAP	0.0007	0.0010		0.0317	mg/L	5	09/16/2023 16:04	209945
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 16:04	209945
Boron	NELAP	0.0092	0.0250		0.521	mg/L	5	09/16/2023 16:04	209945
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 16:04	209945
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/16/2023 16:04	209945
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	08/02/2023 0:35	209945
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 16:04	209945
Lithium	*	0.0015	0.0030		0.0275	mg/L	5	08/02/2023 0:35	209945
Molybdenum	*	0.0006	0.0015	J	0.0013	mg/L	5	09/16/2023 16:04	209945
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 0:35	209945
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/02/2023 0:35	209945





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-016  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW12  
**Collection Date:** 07/24/2023 15:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	07/26/2023 15:13	209946



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-017  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: APW13

Collection Date: 07/31/2023 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		33.49	ft	1	07/31/2023 12:14	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		5.8	NTU	1	07/31/2023 12:14	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		109	mV	1	07/31/2023 12:14	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		18.1	°C	1	07/31/2023 12:14	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.56	mg/L	1	07/31/2023 12:14	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.94		1	07/31/2023 12:14	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		504	mg/L	1	08/01/2023 14:16	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/01/2023 14:16	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		875	mg/L	2.5	08/02/2023 10:48	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		233	mg/L	10	08/03/2023 21:05	R334559
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		1290	µmhos/cm @25C	1	08/09/2023 10:13	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.42	mg/L	1	08/02/2023 13:01	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		48	mg/L	10	08/03/2023 21:06	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		121	mg/L	1	08/02/2023 11:42	210259
Magnesium	NELAP	0.0055	0.0500		61.7	mg/L	1	08/02/2023 11:42	210259
Potassium	NELAP	0.0400	0.100		1.94	mg/L	1	08/02/2023 11:42	210259
Sodium	NELAP	0.0180	0.0500		122	mg/L	1	08/02/2023 11:42	210259
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/04/2023 12:14	210259
Arsenic	NELAP	0.0004	0.0010		0.0053	mg/L	5	09/16/2023 13:31	210259
Barium	NELAP	0.0007	0.0010		0.0720	mg/L	5	09/16/2023 13:31	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:31	210259
Boron	NELAP	0.0092	0.0250		0.143	mg/L	5	09/16/2023 13:31	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 13:31	210259
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/16/2023 13:31	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	08/04/2023 12:14	210259
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 13:31	210259
Lithium	*	0.0015	0.0030		0.0230	mg/L	5	08/04/2023 12:14	210259
Molybdenum	*	0.0006	0.0015		0.0098	mg/L	5	09/16/2023 13:31	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 12:14	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 12:14	210259



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-017  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW13  
**Collection Date:** 07/31/2023 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:24	210255



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-018  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW14  
Collection Date: 07/31/2023 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		22.12	ft	1	07/31/2023 12:33	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		7.7	NTU	1	07/31/2023 12:33	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		117	mV	1	07/31/2023 12:33	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.2	°C	1	07/31/2023 12:33	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.45	mg/L	1	07/31/2023 12:33	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.04		1	07/31/2023 12:33	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		450	mg/L	1	08/01/2023 14:23	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/01/2023 14:23	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		990	mg/L	2.5	08/02/2023 11:11	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		370	mg/L	10	08/03/2023 21:13	R334559
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		1420	µmhos/cm @25C	1	08/09/2023 10:11	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	08/02/2023 13:03	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		42	mg/L	1	08/03/2023 21:09	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		133	mg/L	1	08/02/2023 11:43	210259
Magnesium	NELAP	0.0055	0.0500		67.6	mg/L	1	08/02/2023 11:43	210259
Potassium	NELAP	0.0400	0.100		2.00	mg/L	1	08/02/2023 11:43	210259
Sodium	NELAP	0.0180	0.0500		126	mg/L	1	08/02/2023 11:43	210259
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/04/2023 15:01	210259
Arsenic	NELAP	0.0004	0.0010		0.0078	mg/L	5	09/16/2023 14:48	210259
Barium	NELAP	0.0007	0.0010		0.0649	mg/L	5	09/16/2023 14:48	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 14:48	210259
Boron	NELAP	0.0092	0.0250		0.103	mg/L	5	09/16/2023 14:48	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 14:48	210259
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	09/16/2023 14:48	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	08/04/2023 15:01	210259
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 14:48	210259
Lithium	*	0.0015	0.0030		0.0207	mg/L	5	08/08/2023 9:15	210259
Molybdenum	*	0.0006	0.0015		0.0049	mg/L	5	09/16/2023 14:48	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 15:01	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 15:01	210259



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-018  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW14  
**Collection Date:** 07/31/2023 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:26	210255



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-019  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW15  
Collection Date: 08/01/2023 8:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		21.40	ft	1	08/01/2023 8:39	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		130	NTU	1	08/01/2023 8:39	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-62	mV	1	08/01/2023 8:39	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2570	µS/cm	1	08/01/2023 8:39	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		15.2	°C	1	08/01/2023 8:39	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.49	mg/L	1	08/01/2023 8:39	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.92		1	08/01/2023 8:39	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		742	mg/L	1	08/03/2023 10:35	R334529
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/03/2023 10:35	R334529
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		1120	mg/L	2.5	08/03/2023 10:28	R334586
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		16	mg/L	1	08/05/2023 1:58	R334639
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.46	mg/L	1	08/04/2023 11:04	R334593
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		235	mg/L	10	08/08/2023 12:16	R334776
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		100	mg/L	1	08/04/2023 10:55	210307
Magnesium	NELAP	0.0055	0.0500		39.9	mg/L	1	08/04/2023 10:55	210307
Potassium	NELAP	0.0400	0.100		3.35	mg/L	1	08/04/2023 10:55	210307
Sodium	NELAP	0.0180	0.0500		298	mg/L	1	08/04/2023 10:55	210307
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/04/2023 8:22	210307
Arsenic	NELAP	0.0004	0.0010		0.0259	mg/L	5	09/15/2023 23:51	210307
Barium	NELAP	0.0007	0.0010		0.640	mg/L	5	09/15/2023 23:51	210307
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 23:51	210307
Boron	NELAP	0.0092	0.0250		0.117	mg/L	5	09/15/2023 23:51	210307
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/15/2023 23:51	210307
Chromium	NELAP	0.0007	0.0015		0.0042	mg/L	5	09/15/2023 23:51	210307
Cobalt	NELAP	0.0001	0.0010		0.0014	mg/L	5	08/04/2023 8:22	210307
Lead	NELAP	0.0006	0.0010		0.0024	mg/L	5	09/15/2023 23:51	210307
Lithium	*	0.0015	0.0030		0.0061	mg/L	5	08/04/2023 8:22	210307
Molybdenum	*	0.0006	0.0015		0.0056	mg/L	5	09/15/2023 23:51	210307
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 8:22	210307
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 8:22	210307





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

**Lab ID:** 23070389-019

**Client Sample ID:** APW15

**Matrix:** GROUNDWATER

**Collection Date:** 08/01/2023 8:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	<b>0.00007</b>	mg/L	1	08/03/2023 11:39	210305



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-020  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW16  
Collection Date: 07/31/2023 15:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		40.89	ft	1	07/31/2023 15:37	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.2	NTU	1	07/31/2023 15:37	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		108	mV	1	07/31/2023 15:37	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		946	µS/cm	1	07/31/2023 15:37	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.2	°C	1	07/31/2023 15:37	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.14	mg/L	1	07/31/2023 15:37	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.13		1	07/31/2023 15:37	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		628	mg/L	1	08/01/2023 14:29	R334418
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/01/2023 14:29	R334418
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		665	mg/L	2.5	08/02/2023 11:11	R334530
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10		14	mg/L	1	08/03/2023 21:15	R334559
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.72	mg/L	1	08/02/2023 13:05	R334474
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		64	mg/L	10	08/03/2023 21:22	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		94.0	mg/L	1	08/02/2023 11:44	210259
Magnesium	NELAP	0.0055	0.0500		42.7	mg/L	1	08/02/2023 11:44	210259
Potassium	NELAP	0.0400	0.100		1.96	mg/L	1	08/02/2023 11:44	210259
Sodium	NELAP	0.0180	0.0500		135	mg/L	1	08/02/2023 11:44	210259
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/04/2023 15:06	210259
Arsenic	NELAP	0.0004	0.0010		0.0271	mg/L	5	09/16/2023 14:53	210259
Barium	NELAP	0.0007	0.0010		0.658	mg/L	5	09/16/2023 14:53	210259
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 14:53	210259
Boron	NELAP	0.0092	0.0250		0.147	mg/L	5	09/16/2023 14:53	210259
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 14:53	210259
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	09/16/2023 14:53	210259
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	08/04/2023 15:06	210259
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 14:53	210259
Lithium	*	0.0015	0.0030	J	0.0025	mg/L	5	08/04/2023 15:06	210259
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/16/2023 14:53	210259
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 15:06	210259
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 15:06	210259

CCV recovered outside the upper control limits for Li. Sample results are below the reporting limit. Data is reportable per the TNI standard.



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-020  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW16  
**Collection Date:** 07/31/2023 15:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/02/2023 9:29	210255



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-021  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: APW17

Collection Date: 07/25/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		41.81	ft	1	07/25/2023 10:36	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		4.5	NTU	1	07/25/2023 10:36	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		50	mV	1	07/25/2023 10:36	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.6	°C	1	07/25/2023 10:36	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.51	mg/L	1	07/25/2023 10:36	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.94		1	07/25/2023 10:36	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		534	mg/L	1	07/27/2023 10:32	R333225
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	07/27/2023 10:32	R333225
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		670	mg/L	2.5	07/27/2023 10:22	R333268
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	12	20		56	mg/L	2	08/03/2023 17:32	R334559
<b>SW-846 9050A</b>									
Conductivity	NELAP	10	10		1100	µmhos/cm @25C	1	08/09/2023 10:05	R334775
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.58	mg/L	1	07/27/2023 9:53	R333194
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		53	mg/L	10	08/02/2023 21:30	R334538
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		106	mg/L	1	08/01/2023 18:12	210094
Magnesium	NELAP	0.0055	0.0500		44.7	mg/L	1	08/01/2023 18:12	210094
Potassium	NELAP	0.0400	0.100		1.83	mg/L	1	08/01/2023 18:12	210094
Sodium	NELAP	0.0180	0.0500		90.1	mg/L	1	08/01/2023 18:12	210094
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	07/29/2023 9:49	210094
Arsenic	NELAP	0.0004	0.0010		0.0274	mg/L	5	07/29/2023 9:49	210094
Barium	NELAP	0.0007	0.0010		0.609	mg/L	5	07/29/2023 9:49	210094
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/31/2023 16:21	210094
Boron	NELAP	0.0092	0.0250		0.121	mg/L	5	07/31/2023 16:21	210094
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/29/2023 9:49	210094
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	07/31/2023 16:21	210094
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	07/31/2023 16:21	210094
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	07/29/2023 9:49	210094
Lithium	*	0.0015	0.0030	J	0.0025	mg/L	5	08/02/2023 3:59	210094
Molybdenum	*	0.0006	0.0015		0.0052	mg/L	5	07/29/2023 9:49	210094
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 3:59	210094
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	07/29/2023 9:49	210094



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-021  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW17  
**Collection Date:** 07/25/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>Mn was detected in the MBLK at a level above the MDL and the RL. Sample result showed a low level of Mn. Sample results may be biased high by detectable levels in the MBLK. Sample is consumed.</i>									
<i>CCV recovered outside the upper control limits for TL. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/03/2023 11:41	210305



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-022  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW18  
Collection Date: 07/25/2023 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		52.25	ft	1	07/25/2023 10:04	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		3.6	NTU	1	07/25/2023 10:04	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		48	mV	1	07/25/2023 10:04	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		756	µS/cm	1	07/25/2023 10:04	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		14.4	°C	1	07/25/2023 10:04	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.52	mg/L	1	07/25/2023 10:04	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		7.22		1	07/25/2023 10:04	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		517	mg/L	1	07/27/2023 10:41	R333225
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/27/2023 10:41	R333225
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	40	50		535	mg/L	2.5	07/27/2023 10:23	R333268
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	12	20		49	mg/L	2	08/03/2023 17:43	R334559
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.63	mg/L	1	07/27/2023 9:55	R333194
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4	S	26	mg/L	1	08/02/2023 21:35	R334538
<i>Matrix spike did not recover within control limits due to matrix interference.</i>									
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		73.2	mg/L	1	08/01/2023 18:13	210094
Magnesium	NELAP	0.0055	0.0500		36.8	mg/L	1	08/01/2023 18:13	210094
Potassium	NELAP	0.0400	0.100		2.76	mg/L	1	08/01/2023 18:13	210094
Sodium	NELAP	0.0180	0.0500		107	mg/L	1	08/01/2023 18:13	210094
<b>SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	07/29/2023 9:56	210094
Arsenic	NELAP	0.0004	0.0010		0.0023	mg/L	5	07/29/2023 9:56	210094
Barium	NELAP	0.0007	0.0010		0.368	mg/L	5	07/29/2023 9:56	210094
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/31/2023 16:27	210094
Boron	NELAP	0.0092	0.0250		0.128	mg/L	5	07/31/2023 16:27	210094
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	07/29/2023 9:56	210094
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	07/31/2023 16:27	210094
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	07/31/2023 16:27	210094
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	07/29/2023 9:56	210094
Lithium	*	0.0015	0.0030		0.0052	mg/L	5	08/02/2023 4:06	210094
Molybdenum	*	0.0006	0.0015		0.0032	mg/L	5	07/29/2023 9:56	210094
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/02/2023 4:06	210094
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	07/29/2023 9:56	210094





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-022  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW18  
**Collection Date:** 07/25/2023 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>Sample result for Mn exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits for TL. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020	J	<b>0.00008</b>	mg/L	1	08/03/2023 11:44	210305



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

**Lab ID:** 23070389-101

**Client Sample ID:** SG02

**Matrix:** GROUNDWATER

**Collection Date:** 08/07/2023 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		17.88	ft	1	08/07/2023 11:45	R334750



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-102  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: XPW01  
Collection Date: 07/24/2023 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		11.64	ft	1	07/24/2023 12:30	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		14	NTU	1	07/24/2023 12:30	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-290	mV	1	07/24/2023 12:30	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		12500	µS/cm	1	07/24/2023 12:30	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.3	°C	1	07/24/2023 12:30	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.15	mg/L	1	07/24/2023 12:30	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		12.7		1	07/24/2023 12:30	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/27/2023 14:49	R333219
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		799	mg/L	1	07/27/2023 14:49	R333219
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	80	100		6110	mg/L	5	07/26/2023 9:37	R333199
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	614	1000		2530	mg/L	100	08/02/2023 13:45	R334506
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		4.18	mg/L	1	07/26/2023 12:18	R333087
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	2	20		44	mg/L	5	07/27/2023 18:24	R333281
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		10.3	mg/L	1	07/26/2023 14:24	209945
Magnesium	NELAP	0.0060	0.0500		0.343	mg/L	1	07/26/2023 14:24	209945
Potassium	NELAP	0.400	1.00		42.4	mg/L	10	07/28/2023 18:27	209945
Sodium	NELAP	0.180	0.500		2050	mg/L	10	07/28/2023 18:27	209945
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Boron	NELAP	0.0092	0.0250		13.3	mg/L	5	09/16/2023 16:09	209945



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-103  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: XPW02

Collection Date: 07/24/2023 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		8.74	ft	1	07/24/2023 11:30	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		1.2	NTU	1	07/24/2023 11:30	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-106	mV	1	07/24/2023 11:30	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		562	µS/cm	1	07/24/2023 11:30	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.0	°C	1	07/24/2023 11:30	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.43	mg/L	1	07/24/2023 11:30	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		9.50		1	07/24/2023 11:30	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		23	mg/L	1	07/26/2023 11:06	R333138
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		24	mg/L	1	07/26/2023 11:06	R333138
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		360	mg/L	1	07/26/2023 9:37	R333199
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	31	50		213	mg/L	5	07/27/2023 18:31	R333276
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.46	mg/L	1	07/26/2023 12:19	R333087
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		16	mg/L	1	07/27/2023 18:26	R333281
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	27.6	mg/L	1	07/26/2023 14:28	209945
Magnesium	NELAP	0.0060	0.0500		0.202	mg/L	1	07/26/2023 14:28	209945
Potassium	NELAP	0.400	1.00	S	16.4	mg/L	10	07/28/2023 18:28	209945
Sodium	NELAP	0.0180	0.0500	S	69.1	mg/L	1	07/26/2023 14:28	209945
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Boron	NELAP	0.0092	0.0250		1.70	mg/L	5	09/16/2023 16:20	209945



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-104  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: XPW03  
Collection Date: 07/26/2023 14:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		10.89	ft	1	07/26/2023 14:33	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		7.0	NTU	1	07/26/2023 14:33	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-75	mV	1	07/26/2023 14:33	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		2420	µS/cm	1	07/26/2023 14:33	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.7	°C	1	07/26/2023 14:33	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.59	mg/L	1	07/26/2023 14:33	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		11.5		1	07/26/2023 14:33	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/28/2023 10:27	R333270
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		175	mg/L	1	07/28/2023 10:27	R333270
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		664	mg/L	1	08/01/2023 11:14	R334473
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	61	100		138	mg/L	10	08/03/2023 21:29	R334559
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.37	1.00		1.11	mg/L	10	07/28/2023 11:03	R333259
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		21	mg/L	1	08/03/2023 21:25	R334594
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		22.8	mg/L	1	08/01/2023 18:27	210094
Magnesium	NELAP	0.0055	0.0500		0.134	mg/L	1	08/01/2023 18:27	210094
Potassium	NELAP	0.400	1.00		22.5	mg/L	10	08/03/2023 15:30	210094
Sodium	NELAP	0.0180	0.0500		190	mg/L	1	08/01/2023 18:27	210094
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Boron	NELAP	0.0092	0.0250		1.77	mg/L	5	07/31/2023 16:34	210094

Mn was detected in the MBLK at a level above the MDL and the RL. Sample result showed a low level of Mn. Sample results may be biased high by detectable levels in the MBLK. Sample is consumed.



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-105  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: XPW04  
Collection Date: 07/24/2023 13:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		12.75	ft	1	07/24/2023 13:00	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		8.4	NTU	1	07/24/2023 13:00	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		-226	mV	1	07/24/2023 13:00	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		17700	µS/cm	1	07/24/2023 13:00	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		16.9	°C	1	07/24/2023 13:00	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		0.42	mg/L	1	07/24/2023 13:00	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		12.5		1	07/24/2023 13:00	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	07/26/2023 11:18	R333138
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		296	mg/L	1	07/26/2023 11:18	R333138
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	160	200		16600	mg/L	10	07/27/2023 11:34	R333268
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	1230	2000		9420	mg/L	200	08/02/2023 14:07	R334506
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		1.54	mg/L	1	07/26/2023 12:21	R333087
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	2	20		186	mg/L	5	07/27/2023 19:01	R333281
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		76.3	mg/L	1	07/26/2023 14:34	209945
Magnesium	NELAP	0.0060	0.0500		0.275	mg/L	1	07/26/2023 14:34	209945
Potassium	NELAP	0.800	2.00		88.6	mg/L	20	07/28/2023 18:17	209945
Sodium	NELAP	0.180	0.500		4560	mg/L	10	08/11/2023 12:45	209945
<i>Sample result(s) for Na exceed 10 times the CCB. Data is reportable per the TNI Standard.</i>									
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Boron	NELAP	0.0092	0.0250		4.57	mg/L	5	09/16/2023 16:15	209945





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-106  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** XSG01  
**Collection Date:** 08/07/2023 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		1.74	ft	1	08/07/2023 11:35	R334750



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-107  
Matrix: AQUEOUS

Work Order: 23070389  
Report Date: 09-Nov-23

Client Sample ID: Field Blank

Collection Date: 08/01/2023 15:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		1	mg/L	1	08/03/2023 11:33	R334529
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/03/2023 11:33	R334529
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	08/03/2023 11:11	R334586
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	6	10	J	6	mg/L	1	08/05/2023 2:19	R334639
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	08/04/2023 11:09	R334593
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	1	4		< 4	mg/L	1	08/05/2023 2:18	R334646
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100		0.243	mg/L	1	08/04/2023 10:40	210307
Magnesium	NELAP	0.0055	0.0500		0.0896	mg/L	1	08/04/2023 10:40	210307
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	08/04/2023 10:40	210307
Sodium	NELAP	0.0180	0.0500		0.134	mg/L	1	08/04/2023 10:40	210307
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	08/04/2023 8:28	210307
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/16/2023 2:01	210307
Barium	NELAP	0.0007	0.0010		0.0012	mg/L	5	09/16/2023 2:01	210307
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/18/2023 8:53	210307
Boron	NELAP	0.0092	0.0250		< 0.0250	mg/L	5	09/18/2023 8:53	210307
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 2:01	210307
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	09/16/2023 2:01	210307
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	08/04/2023 8:28	210307
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/16/2023 2:01	210307
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	08/04/2023 8:28	210307
Molybdenum	*	0.0006	0.0015		< 0.0015	mg/L	5	09/18/2023 8:53	210307
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/04/2023 8:28	210307
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/04/2023 8:28	210307
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/04/2023 9:56	210306



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-116  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW02 (resample)  
Collection Date: 08/17/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.32	ft	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		17	NTU	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		93	mV	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		8440	µS/cm	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.5	°C	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.60	mg/L	1	08/17/2023 11:23	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.72		1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		614	mg/L	1	08/18/2023 13:41	R335230
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/18/2023 13:41	R335230
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		3660	mg/L	1	08/21/2023 10:24	R335351
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	614	1000		2860	mg/L	100	08/23/2023 23:44	R335452
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	08/21/2023 9:07	R335249
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		102	mg/L	10	08/23/2023 23:40	R335479
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	S	475	mg/L	1	08/23/2023 12:29	211213
Magnesium	NELAP	0.0055	0.0500	S	429	mg/L	1	08/23/2023 12:29	211213
Potassium	NELAP	0.0400	0.100		6.43	mg/L	1	08/23/2023 12:29	211213
Sodium	NELAP	0.0180	0.0500	BS	394	mg/L	1	08/23/2023 12:29	211213
<i>Sample result(s) for Na and Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	S	< 0.0010	mg/L	5	08/31/2023 17:44	211213
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	08/31/2023 17:44	211213
Barium	NELAP	0.0007	0.0010		0.0076	mg/L	5	09/20/2023 13:19	212110
Beryllium	NELAP	0.0002	0.0010	J	0.0004	mg/L	5	08/31/2023 17:44	211213
Boron	NELAP	0.0150	0.0250		0.189	mg/L	5	08/31/2023 17:44	211213
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	08/31/2023 17:44	211213
Chromium	NELAP	0.0007	0.0015		0.0022	mg/L	5	08/31/2023 17:44	211213
Cobalt	NELAP	0.0001	0.0010		0.0016	mg/L	5	08/31/2023 17:44	211213
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/10/2023 19:25	211213
Lithium	*	0.0015	0.0030		0.190	mg/L	5	08/31/2023 17:44	211213
Molybdenum	*	0.0006	0.0015		0.0015	mg/L	5	08/31/2023 17:44	211213
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/31/2023 17:44	211213
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/31/2023 17:44	211213



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-116  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW02 (resample)  
**Collection Date:** 08/17/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
<i>LCS recovered outside upper control limits for Pb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>Sample result for Al exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Matrix spike recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable.</i>									
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00008	0.00020		< 0.00020	mg/L	1	08/23/2023 20:55	211189



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll  
Client Project: NEW-23Q3  
Lab ID: 23070389-117  
Matrix: GROUNDWATER

Work Order: 23070389  
Report Date: 09-Nov-23  
Client Sample ID: APW02 Duplicate (resample)  
Collection Date: 08/17/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>FIELD ELEVATION MEASUREMENTS</b>									
Depth to water from measuring point	*	0	0		7.32	ft	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2130 B FIELD</b>									
Turbidity	*	1.0	1.0		17	NTU	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 18TH ED. 2580 B FIELD</b>									
Oxidation-Reduction Potential	*	-300	-300		93	mV	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2510 B FIELD</b>									
Spec. Conductance, Field	*	0	0		8440	µS/cm	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2550 B FIELD</b>									
Temperature	*	0	0		17.5	°C	1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 4500-O G FIELD</b>									
Oxygen, Dissolved	*	0	0		1.60	mg/L	1	08/17/2023 11:23	R334750
<b>SW-846 9040B FIELD</b>									
pH	*	0	1.00		6.72		1	08/17/2023 11:23	R334750
<b>STANDARD METHODS 2320 B (TOTAL) 1997, 2011</b>									
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	NELAP	0	0		609	mg/L	1	08/18/2023 13:57	R335230
<b>STANDARD METHODS 2320 B 1997, 2011</b>									
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	NELAP	0	0		0	mg/L	1	08/18/2023 13:57	R335230
<b>STANDARD METHODS 2540 C (TOTAL) 1997, 2011</b>									
Total Dissolved Solids	NELAP	16	20		3210	mg/L	1	08/21/2023 10:24	R335351
<b>SW-846 9036 (TOTAL)</b>									
Sulfate	NELAP	614	1000		2980	mg/L	100	08/23/2023 23:53	R335452
<b>SW-846 9214 (TOTAL)</b>									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	08/21/2023 9:10	R335249
<b>SW-846 9251 (TOTAL)</b>									
Chloride	NELAP	5	40		104	mg/L	10	08/23/2023 23:48	R335479
<b>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</b>									
Calcium	NELAP	0.0350	0.100	B	537	mg/L	1	08/21/2023 19:25	211034
Magnesium	NELAP	0.0055	0.0500		492	mg/L	1	08/21/2023 19:25	211034
Potassium	NELAP	0.0400	0.100		7.69	mg/L	1	08/21/2023 19:25	211034
Sodium	NELAP	0.0180	0.0500		473	mg/L	1	08/21/2023 19:25	211034
<i>Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Sample result(s) for Ca exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<b>SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)</b>									
Antimony	NELAP	0.0004	0.0010	J	0.0006	mg/L	5	08/30/2023 14:10	211034
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	09/16/2023 14:42	211034
Barium	NELAP	0.0007	0.0010		0.0106	mg/L	5	09/20/2023 13:30	212096
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 14:42	211034
Boron	NELAP	0.0092	0.0250		0.136	mg/L	5	09/16/2023 14:42	211034
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/16/2023 14:42	211034
Chromium	NELAP	0.0007	0.0015		0.0019	mg/L	5	09/20/2023 13:30	212096
Cobalt	NELAP	0.0001	0.0010		0.0011	mg/L	5	08/30/2023 14:10	211034
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/20/2023 13:30	212096
Lithium	*	0.0015	0.0030		0.137	mg/L	5	08/30/2023 14:10	211034
Molybdenum	*	0.0006	0.0015	J	0.0014	mg/L	5	09/16/2023 14:42	211034
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/30/2023 14:10	211034
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/30/2023 14:10	211034



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070389-117  
**Matrix:** GROUNDWATER

**Work Order:** 23070389  
**Report Date:** 09-Nov-23  
**Client Sample ID:** APW02 Duplicate (resample)  
**Collection Date:** 08/17/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SW-846 7470A (TOTAL)</b>									
Mercury	NELAP	0.00008	0.00020		< 0.00020	mg/L	1	08/23/2023 20:57	211189





## Sample Summary

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3

**Work Order:** 23070389  
**Report Date:** 09-Nov-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23070389-006	APW03	Groundwater	6	07/31/2023 13:47
23070389-007	APW04	Groundwater	6	07/31/2023 11:53
23070389-008	APW05	Groundwater	6	07/24/2023 13:52
23070389-009	APW05S	Groundwater	6	07/25/2023 12:53
23070389-010	APW06	Groundwater	6	07/25/2023 12:22
23070389-011	APW07	Groundwater	6	07/25/2023 10:10
23070389-012	APW08	Groundwater	6	07/31/2023 15:09
23070389-013	APW09	Groundwater	6	07/31/2023 13:32
23070389-014	APW10	Groundwater	6	07/31/2023 11:26
23070389-015	APW11	Groundwater	6	07/24/2023 14:53
23070389-016	APW12	Groundwater	6	07/24/2023 15:23
23070389-017	APW13	Groundwater	6	07/31/2023 12:14
23070389-018	APW14	Groundwater	6	07/31/2023 12:33
23070389-019	APW15	Groundwater	6	08/01/2023 8:39
23070389-020	APW16	Groundwater	6	07/31/2023 15:37
23070389-021	APW17	Groundwater	6	07/25/2023 10:36
23070389-022	APW18	Groundwater	6	07/25/2023 9:42
23070389-101	SG02	Groundwater	1	08/07/2023 11:45
23070389-102	XPW01	Groundwater	6	07/24/2023 12:30
23070389-103	XPW02	Groundwater	6	07/24/2023 11:30
23070389-104	XPW03	Groundwater	6	07/26/2023 14:33
23070389-105	XPW04	Groundwater	6	07/24/2023 13:00
23070389-106	XSG01	Groundwater	1	08/07/2023 11:35
23070389-107	Field Blank	Aqueous	8	08/01/2023 15:09
23070389-116	APW02 (resample)	Groundwater	6	08/17/2023 11:23
23070389-117	APW02 Duplicate (resample)	Groundwater	6	08/17/2023 11:23



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23070389-006A	APW03	07/31/2023 13:47	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 13:47
	Field Elevation Measurements				07/31/2023 13:47
	Standard Methods 2130 B Field				07/31/2023 13:47
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 13:47
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 13:40
	Standard Methods 2320 B 1997, 2011				08/01/2023 13:40
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 9:32
	Standard Methods 2550 B Field				07/31/2023 13:47
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 14:51
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-O G Field				07/31/2023 13:47
	Standard Methods 4500-P E 1999				08/03/2023 11:05
	Standard Methods 4500-P E 1999, 2011				08/03/2023 11:08
	SW-846 9036 (Total)				08/04/2023 14:05
	SW-846 9040B Field				07/31/2023 13:47
	SW-846 9050A				08/09/2023 10:19
	SW-846 9214 (Total)				08/02/2023 12:49
	SW-846 9251 (Total)				08/03/2023 19:38
23070389-006B	APW03	07/31/2023 13:47	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 12:45
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 12:45
	Standard Methods 2550 B Field				07/31/2023 13:47
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:24
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:14
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:05
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/02/2023 19:13
	SW-846 9251 (Dissolved)				08/02/2023 19:08
23070389-006C	APW03	07/31/2023 13:47	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:24
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 10:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 13:10
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:04



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name				Prep Date/Time	Analysis Date/Time
23070389-006D	APW03	07/31/2023 13:47	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:29
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/16/2023 22:46
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/19/2023 10:27
23070389-006E	APW03	07/31/2023 13:47	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 17:56
23070389-006F	APW03	07/31/2023 13:47	08/01/2023 8:05		
	SW-846 9060A				08/10/2023 1:47
23070389-007A	APW04	07/31/2023 11:53	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 11:53
	Field Elevation Measurements				07/31/2023 11:53
	Standard Methods 2130 B Field				07/31/2023 11:53
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 11:53
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 13:47
	Standard Methods 2320 B 1997, 2011				08/01/2023 13:47
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 10:47
	Standard Methods 2550 B Field				07/31/2023 11:53
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 14:53
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-O G Field				07/31/2023 11:53
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/01/2023 13:41
	SW-846 9036 (Total)				08/04/2023 14:31
	SW-846 9040B Field				07/31/2023 11:53
	SW-846 9050A				08/09/2023 10:22
	SW-846 9214 (Total)				08/02/2023 12:51
	SW-846 9251 (Total)				08/03/2023 20:15
23070389-007B	APW04	07/31/2023 11:53	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 12:51
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 12:51
	Standard Methods 2550 B Field				07/31/2023 11:53
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:24
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:16
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:07
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9036 (Dissolved)				08/03/2023 16:38
	SW-846 9251 (Dissolved)				08/02/2023 19:16
23070389-007C	APW04	07/31/2023 11:53	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:25
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 12:20
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 13:15
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:11
23070389-007D	APW04	07/31/2023 11:53	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:30
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/16/2023 22:52
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/19/2023 13:41
23070389-007E	APW04	07/31/2023 11:53	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 18:02
23070389-007F	APW04	07/31/2023 11:53	08/01/2023 8:05		
	SW-846 9060A				08/10/2023 1:53
23070389-008A	APW05	07/24/2023 13:52	07/25/2023 8:40		
	Ferrous Iron by CHEMets Kit				07/24/2023 13:52
	Field Elevation Measurements				07/24/2023 13:52
	Standard Methods 2130 B Field				07/24/2023 13:52
	Standard Methods 18th Ed. 2580 B Field				07/24/2023 13:52
	Standard Methods 2320 B (Total) 1997, 2011				07/26/2023 10:36
	Standard Methods 2320 B 1997, 2011				07/26/2023 10:36
	Standard Methods 2510 B Field				07/24/2023 13:52
	Standard Methods 2540 C (Total) 1997, 2011				07/26/2023 9:18
	Standard Methods 2550 B Field				07/24/2023 13:52
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/25/2023 15:43
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 19:19
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-O G Field				07/24/2023 13:52
	Standard Methods 4500-P E 1999				07/26/2023 0:00
	Standard Methods 4500-P E 1999, 2011				07/26/2023 7:33
	SW-846 9036 (Total)				07/27/2023 17:21
	SW-846 9040B Field				07/24/2023 13:52
	SW-846 9214 (Total)				07/26/2023 12:13
	SW-846 9251 (Total)				07/27/2023 17:22
23070389-008B	APW05	07/24/2023 13:52	07/25/2023 8:40		



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 11:29
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 11:29
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/25/2023 15:45
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 19:52
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 7:34
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 0:00
	SW-846 9036 (Dissolved)				07/31/2023 12:14
	SW-846 9251 (Dissolved)				07/27/2023 13:28
23070389-008C	APW05	07/24/2023 13:52	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/26/2023 14:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	08/02/2023 0:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/16/2023 15:53
	SW-846 7470A (Total)			07/25/2023 18:14	07/26/2023 14:59
23070389-008D	APW05	07/24/2023 13:52	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 20:44
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:14
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 17:20
23070389-008E	APW05	07/24/2023 13:52	07/25/2023 8:40		
	SW-846 9060A				08/18/2023 18:09
23070389-008F	APW05	07/24/2023 13:52	07/25/2023 8:40		
	SW-846 9060A				08/10/2023 2:00
23070389-009A	APW05S	07/25/2023 12:53	07/26/2023 8:15		
	Ferrous Iron by CHEMets Kit				07/25/2023 12:53
	Field Elevation Measurements				07/25/2023 12:53
	Standard Methods 2130 B Field				07/25/2023 12:53
	Standard Methods 18th Ed. 2580 B Field				07/25/2023 12:53
	Standard Methods 2320 B (Total) 1997, 2011				07/27/2023 10:08
	Standard Methods 2320 B 1997, 2011				07/27/2023 10:08
	Standard Methods 2540 C (Total) 1997, 2011				07/27/2023 9:28
	Standard Methods 2550 B Field				07/25/2023 12:53
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/26/2023 18:53
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:38
	Standard Methods 4500-O G Field				07/25/2023 12:53
	Standard Methods 4500-P E 1999				07/26/2023 15:37
	Standard Methods 4500-P E 1999, 2011				07/26/2023 15:26



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9036 (Total)				08/03/2023 17:02
	SW-846 9040B Field				07/25/2023 12:53
	SW-846 9050A				08/09/2023 10:42
	SW-846 9214 (Total)				07/27/2023 9:44
	SW-846 9251 (Total)				08/01/2023 0:09
23070389-009B	APW05S	07/25/2023 12:53	07/26/2023 8:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:35
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:35
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/26/2023 18:42
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 16:41
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 15:33
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 15:37
	SW-846 9036 (Dissolved)				07/31/2023 12:28
	SW-846 9251 (Dissolved)				07/27/2023 13:41
23070389-009C	APW05S	07/25/2023 12:53	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/01/2023 18:05
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/04/2023 12:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/29/2023 9:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/31/2023 16:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	08/02/2023 3:47
	SW-846 7470A (Total)			08/02/2023 12:13	08/03/2023 11:28
23070389-009D	APW05S	07/25/2023 12:53	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 20:45
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 16:58
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 17:41
23070389-009E	APW05S	07/25/2023 12:53	07/26/2023 8:15		
	SW-846 9060A				08/18/2023 18:15
23070389-009F	APW05S	07/25/2023 12:53	07/26/2023 8:15		
	SW-846 9060A				08/10/2023 2:06
23070389-010A	APW06	07/25/2023 12:22	07/26/2023 8:15		
	Ferrous Iron by CHEMets Kit				07/25/2023 12:22
	Field Elevation Measurements				07/25/2023 12:22
	Standard Methods 2130 B Field				07/25/2023 12:22
	Standard Methods 18th Ed. 2580 B Field				07/25/2023 12:22
	Standard Methods 2320 B (Total) 1997, 2011				07/27/2023 10:16
	Standard Methods 2320 B 1997, 2011				07/27/2023 10:16





## Dates Report

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

**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2510 B Field				07/25/2023 12:22
	Standard Methods 2540 C (Total) 1997, 2011				07/27/2023 9:28
	Standard Methods 2550 B Field				07/25/2023 12:22
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/26/2023 18:53
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:47
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:47
	Standard Methods 4500-O G Field				07/25/2023 12:22
	Standard Methods 4500-P E 1999				07/26/2023 15:37
	Standard Methods 4500-P E 1999, 2011				07/26/2023 15:27
	SW-846 9036 (Total)				08/02/2023 21:00
	SW-846 9040B Field				07/25/2023 12:22
	SW-846 9214 (Total)				07/27/2023 9:46
	SW-846 9251 (Total)				08/02/2023 21:00
23070389-010B	APW06	07/25/2023 12:22	07/26/2023 8:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:43
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:43
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/26/2023 18:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 16:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 16:43
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 15:33
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 15:37
	SW-846 9036 (Dissolved)				07/31/2023 12:30
	SW-846 9251 (Dissolved)				07/27/2023 13:44
23070389-010C	APW06	07/25/2023 12:22	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/01/2023 18:06
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/04/2023 12:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/29/2023 10:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/31/2023 16:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	08/02/2023 2:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	08/04/2023 8:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	09/15/2023 23:08
	SW-846 7470A (Total)			08/02/2023 12:13	08/03/2023 11:30
23070389-010D	APW06	07/25/2023 12:22	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 20:50
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:15
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 17:25
23070389-010E	APW06	07/25/2023 12:22	07/26/2023 8:15		



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9060A				08/18/2023 18:22
23070389-010F	APW06	07/25/2023 12:22	07/26/2023 8:15		
	SW-846 9060A				08/10/2023 2:14
23070389-011A	APW07	07/25/2023 10:10	07/26/2023 8:15		
	Ferrous Iron by CHEMets Kit				07/25/2023 10:10
	Field Elevation Measurements				07/25/2023 10:10
	Standard Methods 2130 B Field				07/25/2023 10:10
	Standard Methods 18th Ed. 2580 B Field				07/25/2023 10:10
	Standard Methods 2320 B (Total) 1997, 2011				07/27/2023 10:24
	Standard Methods 2320 B 1997, 2011				07/27/2023 10:24
	Standard Methods 2540 C (Total) 1997, 2011				07/27/2023 9:28
	Standard Methods 2550 B Field				07/25/2023 10:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/26/2023 18:54
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:49
	Standard Methods 4500-O G Field				07/25/2023 10:10
	Standard Methods 4500-P E 1999				07/26/2023 15:37
	Standard Methods 4500-P E 1999, 2011				07/26/2023 15:27
	SW-846 9036 (Total)				08/02/2023 21:07
	SW-846 9040B Field				07/25/2023 10:10
	SW-846 9050A				08/09/2023 10:04
	SW-846 9214 (Total)				07/27/2023 9:47
	SW-846 9251 (Total)				08/02/2023 21:14
23070389-011B	APW07	07/25/2023 10:10	07/26/2023 8:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:51
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:51
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/26/2023 18:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 16:45
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 16:45
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 15:34
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 15:37
	SW-846 9036 (Dissolved)				07/27/2023 13:51
	SW-846 9251 (Dissolved)				07/27/2023 13:57
23070389-011C	APW07	07/25/2023 10:10	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/01/2023 18:08
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/04/2023 12:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/29/2023 9:43



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/31/2023 16:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	08/02/2023 3:53
	SW-846 7470A (Total)			08/02/2023 12:13	08/03/2023 11:32
23070389-011D	APW07	07/25/2023 10:10	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 20:52
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:17
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 17:31
23070389-011E	APW07	07/25/2023 10:10	07/26/2023 8:15		
	SW-846 9060A				08/18/2023 19:00
23070389-011F	APW07	07/25/2023 10:10	07/26/2023 8:15		
	SW-846 9060A				08/15/2023 1:38
23070389-012A	APW08	07/31/2023 15:09	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 15:09
	Field Elevation Measurements				07/31/2023 15:09
	Standard Methods 2130 B Field				07/31/2023 15:09
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 15:09
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 13:54
	Standard Methods 2320 B 1997, 2011				08/01/2023 13:54
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 10:47
	Standard Methods 2550 B Field				07/31/2023 15:09
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:29
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 14:55
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-O G Field				07/31/2023 15:09
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/01/2023 13:42
	SW-846 9036 (Total)				08/04/2023 14:35
	SW-846 9040B Field				07/31/2023 15:09
	SW-846 9050A				08/09/2023 10:14
	SW-846 9214 (Total)				08/02/2023 12:54
	SW-846 9251 (Total)				08/03/2023 20:29
23070389-012B	APW08	07/31/2023 15:09	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 12:58
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 12:58
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:18
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:08
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/03/2023 16:46
	SW-846 9251 (Dissolved)				08/02/2023 19:30
23070389-012C	APW08	07/31/2023 15:09	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:26
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 14:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 13:21
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:13
23070389-012D	APW08	07/31/2023 15:09	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:35
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/03/2023 15:39
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/16/2023 22:57
23070389-012E	APW08	07/31/2023 15:09	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 19:06
23070389-012F	APW08	07/31/2023 15:09	08/01/2023 8:05		
	SW-846 9060A				08/15/2023 1:44
23070389-013A	APW09	07/31/2023 13:32	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 13:32
	Field Elevation Measurements				07/31/2023 13:32
	Standard Methods 2130 B Field				07/31/2023 13:32
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 13:32
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 14:01
	Standard Methods 2320 B 1997, 2011				08/01/2023 14:01
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 10:47
	Standard Methods 2550 B Field				07/31/2023 13:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:29
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 14:58
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-O G Field				07/31/2023 13:32
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/01/2023 13:42
	SW-846 9036 (Total)				08/03/2023 20:30
	SW-846 9040B Field				07/31/2023 13:32
	SW-846 9050A				08/09/2023 10:08
	SW-846 9214 (Total)				08/02/2023 12:56



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9251 (Total)				08/03/2023 20:37
23070389-013B	APW09	07/31/2023 13:32	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:05
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:05
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:26
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:26
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:09
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/02/2023 19:31
	SW-846 9251 (Dissolved)				08/02/2023 19:38
23070389-013C	APW09	07/31/2023 13:32	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:26
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 12:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 13:26
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:20
23070389-013D	APW09	07/31/2023 13:32	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:36
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/03/2023 15:39
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/16/2023 23:03
23070389-013E	APW09	07/31/2023 13:32	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 19:12
23070389-013F	APW09	07/31/2023 13:32	08/01/2023 8:05		
	SW-846 9060A				08/14/2023 12:58
23070389-014A	APW10	07/31/2023 11:26	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 11:26
	Field Elevation Measurements				07/31/2023 11:26
	Standard Methods 2130 B Field				07/31/2023 11:26
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 11:26
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 14:09
	Standard Methods 2320 B 1997, 2011				08/01/2023 14:09
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 10:48
	Standard Methods 2550 B Field				07/31/2023 11:26
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 15:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-O G Field				07/31/2023 11:26
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/01/2023 13:43
	SW-846 9036 (Total)				08/03/2023 20:44
	SW-846 9040B Field				07/31/2023 11:26
	SW-846 9050A				08/09/2023 10:17
	SW-846 9214 (Total)				08/02/2023 12:59
	SW-846 9251 (Total)				08/03/2023 20:39
23070389-014B	APW10	07/31/2023 11:26	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:12
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:12
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:26
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:29
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:09
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/02/2023 19:45
	SW-846 9251 (Dissolved)				08/02/2023 19:40
23070389-014C	APW10	07/31/2023 11:26	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:40
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 12:26
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/08/2023 9:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 13:37
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:22
23070389-014D	APW10	07/31/2023 11:26	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:37
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/16/2023 23:08
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/18/2023 16:46
23070389-014E	APW10	07/31/2023 11:26	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 19:50
23070389-014F	APW10	07/31/2023 11:26	08/01/2023 8:05		
	SW-846 9060A				08/14/2023 14:20
23070389-015A	APW11	07/24/2023 14:53	07/25/2023 8:40		
	Ferrous Iron by CHEMets Kit				07/24/2023 14:53
	Field Elevation Measurements				07/24/2023 14:53
	Standard Methods 2130 B Field				07/24/2023 14:53



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 18th Ed. 2580 B Field				07/24/2023 14:53
	Standard Methods 2320 B (Total) 1997, 2011				07/26/2023 10:43
	Standard Methods 2320 B 1997, 2011				07/26/2023 10:43
	Standard Methods 2510 B Field				07/24/2023 14:53
	Standard Methods 2540 C (Total) 1997, 2011				07/26/2023 9:18
	Standard Methods 2550 B Field				07/24/2023 14:53
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/25/2023 15:43
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 19:21
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-O G Field				07/24/2023 14:53
	Standard Methods 4500-P E 1999				07/26/2023 0:00
	Standard Methods 4500-P E 1999, 2011				07/26/2023 7:35
	SW-846 9036 (Total)				07/31/2023 14:47
	SW-846 9040B Field				07/24/2023 14:53
	SW-846 9214 (Total)				07/26/2023 12:14
	SW-846 9251 (Total)				07/27/2023 17:33
23070389-015B	APW11	07/24/2023 14:53	07/25/2023 8:40		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 11:37
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 11:37
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/25/2023 15:46
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 19:54
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 7:36
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 0:00
	SW-846 9036 (Dissolved)				07/27/2023 14:21
	SW-846 9251 (Dissolved)				07/27/2023 14:16
23070389-015C	APW11	07/24/2023 14:53	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/26/2023 14:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	08/02/2023 0:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/16/2023 15:58
	SW-846 7470A (Total)			07/25/2023 18:14	07/26/2023 15:02
23070389-015D	APW11	07/24/2023 14:53	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 20:54
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:18
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 17:36
23070389-015E	APW11	07/24/2023 14:53	07/25/2023 8:40		
	SW-846 9060A				08/18/2023 19:56





## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23070389-015F	APW11	07/24/2023 14:53	07/25/2023 8:40		
	SW-846 9060A				08/14/2023 14:27
23070389-016A	APW12	07/24/2023 15:23	07/25/2023 8:40		
	Ferrous Iron by CHEMets Kit				07/24/2023 15:23
	Field Elevation Measurements				07/24/2023 15:23
	Standard Methods 2130 B Field				07/24/2023 15:23
	Standard Methods 18th Ed. 2580 B Field				07/24/2023 15:23
	Standard Methods 2320 B (Total) 1997, 2011				07/26/2023 10:51
	Standard Methods 2320 B 1997, 2011				07/26/2023 10:51
	Standard Methods 2510 B Field				07/24/2023 15:23
	Standard Methods 2540 C (Total) 1997, 2011				07/26/2023 9:19
	Standard Methods 2550 B Field				07/24/2023 15:23
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/25/2023 15:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 19:37
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-O G Field				07/24/2023 15:23
	Standard Methods 4500-P E 1999				07/26/2023 0:00
	Standard Methods 4500-P E 1999, 2011				07/26/2023 7:38
	SW-846 9036 (Total)				07/31/2023 15:07
	SW-846 9040B Field				07/24/2023 15:23
	SW-846 9214 (Total)				07/26/2023 12:16
	SW-846 9251 (Total)				07/27/2023 18:10
23070389-016B	APW12	07/24/2023 15:23	07/25/2023 8:40		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 11:44
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 11:44
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/25/2023 15:47
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 20:14
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 7:40
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 0:00
	SW-846 9036 (Dissolved)				07/31/2023 12:39
	SW-846 9251 (Dissolved)				07/27/2023 14:24
23070389-016C	APW12	07/24/2023 15:23	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/26/2023 14:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	08/02/2023 0:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/16/2023 16:04
	SW-846 7470A (Total)			07/25/2023 18:14	07/26/2023 15:13



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
23070389-016D	APW12	07/24/2023 15:23	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 20:55
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:20
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 18:20
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/18/2023 11:53
23070389-016E	APW12	07/24/2023 15:23	07/25/2023 8:40		
	SW-846 9060A				08/18/2023 20:35
23070389-016F	APW12	07/24/2023 15:23	07/25/2023 8:40		
	SW-846 9060A				08/14/2023 14:33
23070389-017A	APW13	07/31/2023 12:14	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 12:14
	Field Elevation Measurements				07/31/2023 12:14
	Standard Methods 2130 B Field				07/31/2023 12:14
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 12:14
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 14:16
	Standard Methods 2320 B 1997, 2011				08/01/2023 14:16
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 10:48
	Standard Methods 2550 B Field				07/31/2023 12:14
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 15:09
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-O G Field				07/31/2023 12:14
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/01/2023 13:43
	SW-846 9036 (Total)				08/03/2023 21:05
	SW-846 9040B Field				07/31/2023 12:14
	SW-846 9050A				08/09/2023 10:13
	SW-846 9214 (Total)				08/02/2023 13:01
	SW-846 9251 (Total)				08/03/2023 21:06
23070389-017B	APW13	07/31/2023 12:14	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:19
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:19
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:27
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:31
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:09
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9036 (Dissolved)				08/02/2023 20:09
	SW-846 9251 (Dissolved)				08/02/2023 20:10
23070389-017C	APW13	07/31/2023 12:14	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:42
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 12:14
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 13:31
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:24
23070389-017D	APW13	07/31/2023 12:14	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:38
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/16/2023 23:13
23070389-017E	APW13	07/31/2023 12:14	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 20:41
23070389-017F	APW13	07/31/2023 12:14	08/01/2023 8:05		
	SW-846 9060A				08/14/2023 14:39
23070389-018A	APW14	07/31/2023 12:33	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 12:33
	Field Elevation Measurements				07/31/2023 12:33
	Standard Methods 2130 B Field				07/31/2023 12:33
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 12:33
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 14:23
	Standard Methods 2320 B 1997, 2011				08/01/2023 14:23
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 11:11
	Standard Methods 2550 B Field				07/31/2023 12:33
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 15:11
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-O G Field				07/31/2023 12:33
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/01/2023 13:44
	SW-846 9036 (Total)				08/03/2023 21:13
	SW-846 9040B Field				07/31/2023 12:33
	SW-846 9050A				08/09/2023 10:11
	SW-846 9214 (Total)				08/02/2023 13:03
	SW-846 9251 (Total)				08/03/2023 21:09
23070389-018B	APW14	07/31/2023 12:33	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:26



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:26
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:27
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:33
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:12
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/02/2023 20:17
	SW-846 9251 (Dissolved)				08/02/2023 20:12
23070389-018C	APW14	07/31/2023 12:33	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:43
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 15:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/08/2023 9:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 14:48
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:26
23070389-018D	APW14	07/31/2023 12:33	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:38
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/03/2023 15:40
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/17/2023 0:24
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/18/2023 18:08
23070389-018E	APW14	07/31/2023 12:33	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 20:47
23070389-018F	APW14	07/31/2023 12:33	08/01/2023 8:05		
	SW-846 9060A				08/14/2023 14:45
23070389-019A	APW15	08/01/2023 8:39	08/02/2023 10:00		
	Ferrous Iron by CHEMets Kit				08/01/2023 8:39
	Field Elevation Measurements				08/01/2023 8:39
	Standard Methods 2130 B Field				08/01/2023 8:39
	Standard Methods 18th Ed. 2580 B Field				08/01/2023 8:39
	Standard Methods 2320 B (Total) 1997, 2011				08/03/2023 10:35
	Standard Methods 2320 B 1997, 2011				08/03/2023 10:35
	Standard Methods 2510 B Field				08/01/2023 8:39
	Standard Methods 2540 C (Total) 1997, 2011				08/03/2023 10:28
	Standard Methods 2550 B Field				08/01/2023 8:39
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/02/2023 15:00
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/02/2023 15:41
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/02/2023 15:41



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-O G Field				08/01/2023 8:39
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/02/2023 12:49
	SW-846 9036 (Total)				08/05/2023 1:58
	SW-846 9040B Field				08/01/2023 8:39
	SW-846 9214 (Total)				08/04/2023 11:04
	SW-846 9251 (Total)				08/08/2023 12:16
23070389-019B	APW15	08/01/2023 8:39	08/02/2023 10:00		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/03/2023 11:41
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/03/2023 11:41
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/02/2023 14:56
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/02/2023 15:07
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/02/2023 15:07
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/02/2023 12:49
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/03/2023 23:05
	SW-846 9251 (Dissolved)				08/03/2023 23:11
23070389-019C	APW15	08/01/2023 8:39	08/02/2023 10:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/02/2023 12:31	08/04/2023 10:55
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	08/04/2023 8:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	09/15/2023 23:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	09/18/2023 8:21
	SW-846 7470A (Total)			08/02/2023 12:13	08/03/2023 11:39
23070389-019D	APW15	08/01/2023 8:39	08/02/2023 10:00		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/08/2023 14:17	08/09/2023 17:33
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/08/2023 14:17	09/14/2023 1:47
23070389-019E	APW15	08/01/2023 8:39	08/02/2023 10:00		
	SW-846 9060A				08/24/2023 17:37
23070389-019F	APW15	08/01/2023 8:39	08/02/2023 10:00		
	SW-846 9060A				08/24/2023 19:31
23070389-020A	APW16	07/31/2023 15:37	08/01/2023 8:05		
	Ferrous Iron by CHEMets Kit				07/31/2023 15:37
	Field Elevation Measurements				07/31/2023 15:37
	Standard Methods 2130 B Field				07/31/2023 15:37
	Standard Methods 18th Ed. 2580 B Field				07/31/2023 15:37
	Standard Methods 2320 B (Total) 1997, 2011				08/01/2023 14:29
	Standard Methods 2320 B 1997, 2011				08/01/2023 14:29



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2510 B Field				07/31/2023 15:37
	Standard Methods 2540 C (Total) 1997, 2011				08/02/2023 11:11
	Standard Methods 2550 B Field				07/31/2023 15:37
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/01/2023 17:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 15:26
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-O G Field				07/31/2023 15:37
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/01/2023 13:44
	SW-846 9036 (Total)				08/03/2023 21:15
	SW-846 9040B Field				07/31/2023 15:37
	SW-846 9214 (Total)				08/02/2023 13:05
	SW-846 9251 (Total)				08/03/2023 21:22
23070389-020B	APW16	07/31/2023 15:37	08/01/2023 8:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:33
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/01/2023 13:33
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/01/2023 17:28
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 14:36
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/01/2023 16:41
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/01/2023 14:12
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/02/2023 20:19
	SW-846 9251 (Dissolved)				08/02/2023 20:26
23070389-020C	APW16	07/31/2023 15:37	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 11:44
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/01/2023 10:59	08/02/2023 16:26
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	08/04/2023 15:06
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/01/2023 10:59	09/16/2023 14:53
	SW-846 7470A (Total)			08/01/2023 10:30	08/02/2023 9:29
23070389-020D	APW16	07/31/2023 15:37	08/01/2023 8:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/02/2023 16:39
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/02/2023 10:31	08/03/2023 15:41
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/02/2023 10:31	09/17/2023 0:29
23070389-020E	APW16	07/31/2023 15:37	08/01/2023 8:05		
	SW-846 9060A				08/18/2023 21:31
23070389-020F	APW16	07/31/2023 15:37	08/01/2023 8:05		
	SW-846 9060A				08/14/2023 14:59



## Dates Report

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

**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23070389-021A	APW17	07/25/2023 10:36	07/26/2023 8:15		
	Ferrous Iron by CHEMets Kit				07/25/2023 10:36
	Field Elevation Measurements				07/25/2023 10:36
	Standard Methods 2130 B Field				07/25/2023 10:36
	Standard Methods 18th Ed. 2580 B Field				07/25/2023 10:36
	Standard Methods 2320 B (Total) 1997, 2011				07/27/2023 10:32
	Standard Methods 2320 B 1997, 2011				07/27/2023 10:32
	Standard Methods 2540 C (Total) 1997, 2011				07/27/2023 10:22
	Standard Methods 2550 B Field				07/25/2023 10:36
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/26/2023 18:54
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:51
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:51
	Standard Methods 4500-O G Field				07/25/2023 10:36
	Standard Methods 4500-P E 1999				07/26/2023 15:37
	Standard Methods 4500-P E 1999, 2011				07/26/2023 15:28
	SW-846 9036 (Total)				08/03/2023 17:32
	SW-846 9040B Field				07/25/2023 10:36
	SW-846 9050A				08/09/2023 10:05
	SW-846 9214 (Total)				07/27/2023 9:53
	SW-846 9251 (Total)				08/02/2023 21:30
23070389-021B	APW17	07/25/2023 10:36	07/26/2023 8:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:59
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 11:59
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/26/2023 18:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 17:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 17:01
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 15:34
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 15:37
	SW-846 9036 (Dissolved)				07/27/2023 14:37
	SW-846 9251 (Dissolved)				07/27/2023 14:37
23070389-021C	APW17	07/25/2023 10:36	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/01/2023 18:12
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/04/2023 17:00
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/29/2023 9:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/31/2023 16:21
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	08/02/2023 3:59
	SW-846 7470A (Total)			08/02/2023 12:13	08/03/2023 11:41





## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
23070389-021D	APW17	07/25/2023 10:36	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 20:57
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:22
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 18:25
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/18/2023 12:25
23070389-021E	APW17	07/25/2023 10:36	07/26/2023 8:15		
	SW-846 9060A				08/18/2023 22:10
23070389-021F	APW17	07/25/2023 10:36	07/26/2023 8:15		
	SW-846 9060A				08/14/2023 16:08
23070389-022A	APW18	07/25/2023 9:42	07/26/2023 8:15		
	Ferrous Iron by CHEMets Kit				07/25/2023 10:04
	Field Elevation Measurements				07/25/2023 10:04
	Standard Methods 2130 B Field				07/25/2023 10:04
	Standard Methods 18th Ed. 2580 B Field				07/25/2023 10:04
	Standard Methods 2320 B (Total) 1997, 2011				07/27/2023 10:41
	Standard Methods 2320 B 1997, 2011				07/27/2023 10:41
	Standard Methods 2510 B Field				07/25/2023 10:04
	Standard Methods 2540 C (Total) 1997, 2011				07/27/2023 10:23
	Standard Methods 2550 B Field				07/25/2023 10:04
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/26/2023 18:55
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:53
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/26/2023 17:53
	Standard Methods 4500-O G Field				07/25/2023 10:04
	Standard Methods 4500-P E 1999				07/26/2023 15:37
	Standard Methods 4500-P E 1999, 2011				07/26/2023 15:29
	SW-846 9036 (Total)				08/03/2023 17:43
	SW-846 9040B Field				07/25/2023 10:04
	SW-846 9214 (Total)				07/27/2023 9:55
	SW-846 9251 (Total)				08/02/2023 21:35
23070389-022B	APW18	07/25/2023 9:42	07/26/2023 8:15		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 12:07
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 12:07
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/26/2023 18:44
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 17:09
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/26/2023 17:09
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 15:36
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 15:37



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name				Prep Date/Time	Analysis Date/Time
	SW-846 9036 (Dissolved)				07/27/2023 14:38
	SW-846 9251 (Dissolved)				07/27/2023 14:40
23070389-022C	APW18	07/25/2023 9:42	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/01/2023 18:13
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/04/2023 12:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/29/2023 9:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/31/2023 16:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	08/02/2023 4:06
	SW-846 7470A (Total)			08/02/2023 12:13	08/03/2023 11:44
23070389-022D	APW18	07/25/2023 9:42	07/26/2023 8:15		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 21:08
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:23
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 18:30
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/18/2023 12:31
23070389-022E	APW18	07/25/2023 9:42	07/26/2023 8:15		
	SW-846 9060A				08/18/2023 22:16
23070389-022F	APW18	07/25/2023 9:42	07/26/2023 8:15		
	SW-846 9060A				08/14/2023 16:15
23070389-101A	SG02	08/07/2023 11:45	08/17/2023 14:00		
	Field Elevation Measurements				08/07/2023 11:45
23070389-102A	XPW01	07/24/2023 12:30	07/25/2023 8:40		
	Ferrous Iron by CHEMets Kit				07/24/2023 12:30
	Field Elevation Measurements				07/24/2023 12:30
	Standard Methods 2130 B Field				07/24/2023 12:30
	Standard Methods 18th Ed. 2580 B Field				07/24/2023 12:30
	Standard Methods 2320 B (Total) 1997, 2011				07/27/2023 14:49
	Standard Methods 2320 B 1997, 2011				07/27/2023 14:49
	Standard Methods 2510 B Field				07/24/2023 12:30
	Standard Methods 2540 C (Total) 1997, 2011				07/26/2023 9:37
	Standard Methods 2550 B Field				07/24/2023 12:30
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/25/2023 15:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 19:46
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-O G Field				07/24/2023 12:30
	Standard Methods 4500-P E 1999				07/26/2023 0:00
	Standard Methods 4500-P E 1999, 2011				07/26/2023 7:42
	SW-846 9036 (Total)				08/02/2023 13:45



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
	SW-846 9040B Field				07/24/2023 12:30
	SW-846 9214 (Total)				07/26/2023 12:18
	SW-846 9251 (Total)				07/27/2023 18:24
23070389-102B	XPW01	07/24/2023 12:30	07/25/2023 8:40		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 14:55
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/27/2023 14:55
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/25/2023 15:52
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 20:17
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 7:43
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 0:00
	SW-846 9036 (Dissolved)				08/02/2023 18:15
	SW-846 9251 (Dissolved)				07/27/2023 15:49
23070389-102C	XPW01	07/24/2023 12:30	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/26/2023 14:24
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/28/2023 18:27
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/31/2023 13:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	08/02/2023 0:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/16/2023 16:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/18/2023 11:42
	SW-846 7470A (Total)			07/25/2023 18:14	07/26/2023 15:15
23070389-102D	XPW01	07/24/2023 12:30	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 21:16
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 21:18
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:25
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 18:58
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/18/2023 12:58
23070389-102E	XPW01	07/24/2023 12:30	07/25/2023 8:40		
	SW-846 9060A				08/18/2023 22:41
23070389-102F	XPW01	07/24/2023 12:30	07/25/2023 8:40		
	SW-846 9060A				08/24/2023 19:37
23070389-103A	XPW02	07/24/2023 11:30	07/25/2023 8:40		
	Ferrous Iron by CHEMets Kit				07/24/2023 11:30
	Field Elevation Measurements				07/24/2023 11:30
	Standard Methods 2130 B Field				07/24/2023 11:30
	Standard Methods 18th Ed. 2580 B Field				07/24/2023 11:30
	Standard Methods 2320 B (Total) 1997, 2011				07/26/2023 11:06



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 2320 B 1997, 2011				07/26/2023 11:06
	Standard Methods 2510 B Field				07/24/2023 11:30
	Standard Methods 2540 C (Total) 1997, 2011				07/26/2023 9:37
	Standard Methods 2550 B Field				07/24/2023 11:30
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/25/2023 15:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 19:48
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-O G Field				07/24/2023 11:30
	Standard Methods 4500-P E 1999				07/26/2023 0:00
	Standard Methods 4500-P E 1999, 2011				07/26/2023 7:45
	SW-846 9036 (Total)				07/27/2023 18:31
	SW-846 9040B Field				07/24/2023 11:30
	SW-846 9214 (Total)				07/26/2023 12:19
	SW-846 9251 (Total)				07/27/2023 18:26
23070389-103B	XPW02	07/24/2023 11:30	07/25/2023 8:40		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 12:00
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 12:00
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/25/2023 15:48
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 20:19
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 7:46
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 0:00
	SW-846 9036 (Dissolved)				07/27/2023 16:20
	SW-846 9251 (Dissolved)				07/27/2023 16:16
23070389-103C	XPW02	07/24/2023 11:30	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/26/2023 14:28
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/28/2023 18:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	07/28/2023 7:54
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/16/2023 16:20
	SW-846 7470A (Total)			07/25/2023 18:14	07/27/2023 8:46
23070389-103D	XPW02	07/24/2023 11:30	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 21:19
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 21:21
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:35
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/16/2023 19:03
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/26/2023 16:58	09/18/2023 13:03
23070389-103E	XPW02	07/24/2023 11:30	07/25/2023 8:40		



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	SW-846 9060A				08/18/2023 23:01
23070389-103F	XPW02	07/24/2023 11:30	07/25/2023 8:40		
	SW-846 9060A				08/14/2023 16:27
23070389-104A	XPW03	07/26/2023 14:33	07/26/2023 18:05		
	Ferrous Iron by CHEMets Kit				07/26/2023 14:33
	Field Elevation Measurements				07/26/2023 14:33
	Standard Methods 2130 B Field				07/26/2023 14:33
	Standard Methods 18th Ed. 2580 B Field				07/26/2023 14:33
	Standard Methods 2320 B (Total) 1997, 2011				07/28/2023 10:27
	Standard Methods 2320 B 1997, 2011				07/28/2023 10:27
	Standard Methods 2510 B Field				07/26/2023 14:33
	Standard Methods 2540 C (Total) 1997, 2011				08/01/2023 11:14
	Standard Methods 2550 B Field				07/26/2023 14:33
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/27/2023 16:51
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/27/2023 16:22
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/27/2023 16:22
	Standard Methods 4500-O G Field				07/26/2023 14:33
	Standard Methods 4500-P E 1999				07/28/2023 12:59
	Standard Methods 4500-P E 1999, 2011				07/28/2023 13:01
	SW-846 9036 (Total)				08/03/2023 21:29
	SW-846 9040B Field				07/26/2023 14:33
	SW-846 9214 (Total)				07/28/2023 11:03
	SW-846 9251 (Total)				08/03/2023 21:25
23070389-104B	XPW03	07/26/2023 14:33	07/26/2023 18:05		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/28/2023 9:14
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/28/2023 9:14
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/27/2023 16:50
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/27/2023 16:17
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/27/2023 16:17
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/28/2023 13:01
	Standard Methods 4500-P E (Dissolved) 1999				07/28/2023 12:59
	SW-846 9036 (Dissolved)				07/31/2023 23:04
	SW-846 9251 (Dissolved)				07/31/2023 23:00
23070389-104C	XPW03	07/26/2023 14:33	07/26/2023 18:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/01/2023 18:27
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/03/2023 15:30
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/27/2023 14:44	08/04/2023 12:41



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/29/2023 10:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	07/31/2023 16:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/27/2023 14:44	08/02/2023 4:12
	SW-846 7470A (Total)			07/31/2023 12:42	08/01/2023 9:57
23070389-104D	XPW03	07/26/2023 14:33	07/26/2023 18:05		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/28/2023 11:50	08/01/2023 17:32
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/28/2023 11:50	08/03/2023 13:31
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/28/2023 11:50	08/04/2023 12:13
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			07/28/2023 11:50	09/18/2023 16:19
23070389-104E	XPW03	07/26/2023 14:33	07/26/2023 18:05		
	SW-846 9060A				08/14/2023 23:51
23070389-104F	XPW03	07/26/2023 14:33	07/26/2023 18:05		
	SW-846 9060A				08/14/2023 16:34
23070389-105A	XPW04	07/24/2023 13:00	07/25/2023 8:40		
	Ferrous Iron by CHEMets Kit				07/24/2023 13:00
	Field Elevation Measurements				07/24/2023 13:00
	Standard Methods 2130 B Field				07/24/2023 13:00
	Standard Methods 18th Ed. 2580 B Field				07/24/2023 13:00
	Standard Methods 2320 B (Total) 1997, 2011				07/26/2023 11:18
	Standard Methods 2320 B 1997, 2011				07/26/2023 11:18
	Standard Methods 2510 B Field				07/24/2023 13:00
	Standard Methods 2540 C (Total) 1997, 2011				07/27/2023 11:34
	Standard Methods 2550 B Field				07/24/2023 13:00
	Standard Methods 4500-NO2 B (Total) 2000, 2011				07/25/2023 15:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 19:50
	Standard Methods 4500-NO3 F (Total) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-O G Field				07/24/2023 13:00
	Standard Methods 4500-P E 1999				07/26/2023 0:00
	Standard Methods 4500-P E 1999, 2011				07/26/2023 7:48
	SW-846 9036 (Total)				08/02/2023 14:07
	SW-846 9040B Field				07/24/2023 13:00
	SW-846 9214 (Total)				07/26/2023 12:21
	SW-846 9251 (Total)				07/27/2023 19:01
23070389-105B	XPW04	07/24/2023 13:00	07/25/2023 8:40		
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 12:05
	Standard Methods 2320 B (Dissolved) 1997, 2011				07/26/2023 12:05
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				07/25/2023 15:52



## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	<b>Test Name</b>				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 20:21
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				07/25/2023 21:05
	Standard Methods 4500-P E (Dissolved) 1999, 2011				07/26/2023 7:48
	Standard Methods 4500-P E (Dissolved) 1999				07/26/2023 0:00
	SW-846 9036 (Dissolved)				08/02/2023 12:58
	SW-846 9251 (Dissolved)				07/27/2023 16:37
23070389-105C	XPW04	07/24/2023 13:00	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/26/2023 14:34
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/28/2023 18:17
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	07/31/2023 13:34
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/25/2023 17:45	08/11/2023 12:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	08/02/2023 0:48
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/16/2023 16:15
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			07/25/2023 17:45	09/18/2023 11:47
	SW-846 7470A (Total)			07/25/2023 18:14	07/26/2023 15:20
23070389-105D	XPW04	07/24/2023 13:00	07/25/2023 8:40		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 21:33
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	07/28/2023 21:35
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:39
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/02/2023 17:40
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			07/26/2023 16:58	08/11/2023 12:43
23070389-105E	XPW04	07/24/2023 13:00	07/25/2023 8:40		
	SW-846 9060A				08/24/2023 18:46
23070389-105F	XPW04	07/24/2023 13:00	07/25/2023 8:40		
	SW-846 9060A				08/24/2023 19:50
23070389-106A	XSG01	08/07/2023 11:35	08/16/2023 15:29		
	Field Elevation Measurements				08/07/2023 11:35
23070389-107A	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	Standard Methods 2320 B (Total) 1997, 2011				08/03/2023 11:33
	Standard Methods 2320 B 1997, 2011				08/03/2023 11:33
	Standard Methods 2540 C (Total) 1997, 2011				08/03/2023 11:11
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/02/2023 15:01
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/02/2023 15:43
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/02/2023 15:43
	Standard Methods 4500-P E 1999				08/02/2023 12:56
	Standard Methods 4500-P E 1999, 2011				08/02/2023 12:51
	SW-846 9036 (Total)				08/05/2023 2:19





## Dates Report

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9214 (Total)				08/04/2023 11:09
	SW-846 9251 (Total)				08/05/2023 2:18
23070389-107B	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/03/2023 11:49
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/03/2023 11:49
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/02/2023 14:58
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/02/2023 15:38
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/02/2023 15:38
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/02/2023 12:51
	Standard Methods 4500-P E (Dissolved) 1999				08/02/2023 12:56
	SW-846 9036 (Dissolved)				08/03/2023 22:58
	SW-846 9214 (Dissolved)				08/04/2023 11:17
	SW-846 9251 (Dissolved)				08/03/2023 22:58
23070389-107C	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/02/2023 12:31	08/04/2023 10:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	08/04/2023 8:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	09/16/2023 2:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/02/2023 12:31	09/18/2023 8:53
	SW-846 7470A (Total)			08/03/2023 10:35	08/04/2023 9:56
23070389-107D	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/08/2023 14:17	08/09/2023 19:06
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/08/2023 14:17	08/11/2023 11:41
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/08/2023 14:17	09/14/2023 2:08
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/08/2023 14:17	09/14/2023 22:25
	SW-846 7470A (Dissolved)			08/03/2023 10:35	08/04/2023 9:58
23070389-107E	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	SW-846 9012A (Total)			08/07/2023 12:57	08/08/2023 10:10
23070389-107F	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	SW-846 9060A				08/15/2023 0:03
23070389-107G	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	SW-846 9060A				08/14/2023 16:46
23070389-107H	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	EPA 600 350.1 (Dissolved)				08/02/2023 17:00
23070389-116A	APW02 (resample)	08/17/2023 11:23	08/17/2023 14:00		
	Ferrous Iron by CHEMets Kit				08/17/2023 11:23
	Field Elevation Measurements				08/17/2023 11:23
	Standard Methods 2130 B Field				08/17/2023 11:23



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 18th Ed. 2580 B Field				08/17/2023 11:23
	Standard Methods 2320 B (Total) 1997, 2011				08/18/2023 13:41
	Standard Methods 2320 B 1997, 2011				08/18/2023 13:41
	Standard Methods 2510 B Field				08/17/2023 11:23
	Standard Methods 2540 C (Total) 1997, 2011				08/21/2023 10:24
	Standard Methods 2550 B Field				08/17/2023 11:23
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/18/2023 20:31
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/18/2023 15:23
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/18/2023 15:23
	Standard Methods 4500-O G Field				08/17/2023 11:23
	Standard Methods 4500-P E 1999				08/18/2023 14:35
	Standard Methods 4500-P E 1999, 2011				08/18/2023 9:15
	SW-846 9036 (Total)				08/23/2023 23:44
	SW-846 9040B Field				08/17/2023 11:23
	SW-846 9214 (Total)				08/21/2023 9:07
	SW-846 9251 (Total)				08/23/2023 23:40
23070389-116B	APW02 (resample)	08/17/2023 11:23	08/17/2023 14:00		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/18/2023 13:49
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/18/2023 13:49
	Standard Methods 2550 B Field				08/17/2023 11:23
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/18/2023 20:30
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/18/2023 15:18
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/18/2023 15:18
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/18/2023 9:18
	Standard Methods 4500-P E (Dissolved) 1999				08/18/2023 14:35
	SW-846 9036 (Dissolved)				08/23/2023 16:04
	SW-846 9251 (Dissolved)				08/21/2023 15:21
23070389-116C	APW02 (resample)	08/17/2023 11:23	08/17/2023 14:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/22/2023 15:19	08/23/2023 12:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/22/2023 15:19	08/31/2023 17:44
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/22/2023 15:19	09/10/2023 19:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/22/2023 15:19	09/16/2023 14:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/18/2023 13:03	09/20/2023 1:35
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/18/2023 13:03	09/20/2023 13:19
	SW-846 7470A (Total)			08/22/2023 10:04	08/23/2023 20:55
23070389-116D	APW02 (resample)	08/17/2023 11:23	08/17/2023 14:00		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/17/2023 18:38	08/18/2023 17:27
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/17/2023 18:38	08/22/2023 11:13



## Dates Report

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

**Client:** Ramboll

**Work Order:** 23070389

**Client Project:** NEW-23Q3

**Report Date:** 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Test Name	Prep Date/Time	Analysis Date/Time
				SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)	08/17/2023 18:38	09/17/2023 1:46
23070389-116E	APW02 (resample)	08/17/2023 11:23	08/17/2023 14:00			
				SW-846 9060A		08/19/2023 0:23
23070389-116F	APW02 (resample)	08/17/2023 11:23	08/17/2023 14:00			
				SW-846 9060A		08/19/2023 0:10
23070389-117A	APW02 Duplicate (resample)	08/17/2023 11:23	08/17/2023 14:00			
				Ferrous Iron by CHEMets Kit		08/17/2023 11:23
				Field Elevation Measurements		08/17/2023 11:23
				Standard Methods 2130 B Field		08/17/2023 11:23
				Standard Methods 18th Ed. 2580 B Field		08/17/2023 11:23
				Standard Methods 2320 B (Total) 1997, 2011		08/18/2023 13:57
				Standard Methods 2320 B 1997, 2011		08/18/2023 13:57
				Standard Methods 2510 B Field		08/17/2023 11:23
				Standard Methods 2540 C (Total) 1997, 2011		08/21/2023 10:24
				Standard Methods 2550 B Field		08/17/2023 11:23
				Standard Methods 4500-NO2 B (Total) 2000, 2011		08/18/2023 20:31
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/18/2023 15:25
				Standard Methods 4500-NO3 F (Total) 2000, 2011		08/18/2023 15:25
				Standard Methods 4500-O G Field		08/17/2023 11:23
				Standard Methods 4500-P E 1999		08/18/2023 14:35
				Standard Methods 4500-P E 1999, 2011		08/18/2023 9:20
				SW-846 9036 (Total)		08/23/2023 23:53
				SW-846 9040B Field		08/17/2023 11:23
				SW-846 9214 (Total)		08/21/2023 9:10
				SW-846 9251 (Total)		08/23/2023 23:48
23070389-117B	APW02 Duplicate (resample)	08/17/2023 11:23	08/17/2023 14:00			
				Standard Methods 2320 B (Dissolved) 1997, 2011		08/18/2023 14:06
				Standard Methods 2320 B (Dissolved) 1997, 2011		08/18/2023 14:06
				Standard Methods 2550 B Field		08/17/2023 11:23
				Standard Methods 4500-NO2 B (Dissolved) 2000, 2011		08/18/2023 20:30
				Standard Methods 4500-NO3 F (Dissolved) 2000, 2011		08/18/2023 15:21
				Standard Methods 4500-NO3 F (Dissolved) 2000, 2011		08/18/2023 15:21
				Standard Methods 4500-P E (Dissolved) 1999, 2011		08/18/2023 9:24
				Standard Methods 4500-P E (Dissolved) 1999		08/18/2023 14:35
				SW-846 9036 (Dissolved)		08/22/2023 0:56
				SW-846 9251 (Dissolved)		08/23/2023 16:25
23070389-117C	APW02 Duplicate (resample)	08/17/2023 11:23	08/17/2023 14:00			



## Dates Report

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/18/2023 10:00	08/21/2023 19:25
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/18/2023 10:00	08/23/2023 9:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/18/2023 10:00	08/30/2023 14:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/18/2023 10:00	09/16/2023 14:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/18/2023 10:24	09/20/2023 13:30
	SW-846 7470A (Total)			08/22/2023 10:04	08/23/2023 20:57
23070389-117D	APW02 Duplicate (resample)	08/17/2023 11:23	08/17/2023 14:00		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/17/2023 18:38	08/18/2023 17:13
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/17/2023 18:38	08/22/2023 11:15
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/17/2023 18:38	09/17/2023 1:51
23070389-117E	APW02 Duplicate (resample)	08/17/2023 11:23	08/17/2023 14:00		
	SW-846 9060A				08/19/2023 0:29
23070389-117F	APW02 Duplicate (resample)	08/17/2023 11:23	08/17/2023 14:00		
	SW-846 9060A				08/19/2023 0:16



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 2510 B FIELD

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-1 230724											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Spec. Conductance, Field	*	0		1380	1412	0	98.1	90	110		07/24/2023

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-10 230817											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Spec. Conductance, Field	*	0		1430	1412	0	101.3	90	110		08/17/2023

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-2 230725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110		07/25/2023

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-3 230725											
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		07/25/2023

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-4 230726											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.2	90	110		07/26/2023

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-6 230727											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.9	90	110		07/27/2023

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-7 230731											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.7	90	110		07/31/2023

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							Date
SampID: LCS-8 230801											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110		08/01/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 2510 B FIELD

Batch R334750		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-9 230816											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.9	90	110	08/16/2023	

### SW-846 9040B FIELD

Batch R334750		SampType: LCS		Units							
SampID: LCS- 2 230725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	07/25/2023	

Batch R334750		SampType: LCS		Units							
SampID: LCS-1 230724											
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	07/24/2023	

Batch R334750		SampType: LCS		Units							
SampID: LCS-10 230817											
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	08/17/2023	

Batch R334750		SampType: LCS		Units							
SampID: LCS-3 230725											
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	07/25/2023	

Batch R334750		SampType: LCS		Units							
SampID: LCS-4 230726											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	07/26/2023	

Batch R334750		SampType: LCS		Units							
SampID: LCS-5 230727											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	07/27/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9040B FIELD

Batch R334750		SampType: LCS		Units							Date Analyzed
SampID: LCS-6 230727											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	07/27/2023	

Batch R334750		SampType: LCS		Units							Date Analyzed
SampID: LCS-7 230731											
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	07/31/2023	

Batch R334750		SampType: LCS		Units							Date Analyzed
SampID: LCS-8 230801											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	08/01/2023	

Batch R334750		SampType: LCS		Units							Date Analyzed
SampID: LCS-9 230816											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	08/16/2023	

### EPA 600 350.1 (DISSOLVED)

Batch R333244		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MB-R333244											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	07/28/2023	

Batch R333244		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-R333244											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.01	1.000	0	100.9	90	110	07/28/2023	

Batch R333244		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-043EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.98	2.000	0.1180	93.0	90	110	07/28/2023	





## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### EPA 600 350.1 (DISSOLVED)

Batch R333244		SampType: MSD		Units mg/L			RPD Limit 10			
SampID: 23070389-043EMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.99	2.000	0.1180	93.6	1.978	0.55	07/28/2023

Batch R333244		SampType: MS		Units mg/L			RPD Limit 10			
SampID: 23070389-054EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.89	2.000	0.05000	92.2	90	110	07/28/2023

Batch R333244		SampType: MSD		Units mg/L			RPD Limit 10			
SampID: 23070389-054EMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.88	2.000	0.05000	91.4	1.894	0.90	07/28/2023

Batch R333317		SampType: MBLK		Units mg/L			RPD Limit 10			
SampID: MB-R333317										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	07/31/2023

Batch R333317		SampType: LCS		Units mg/L			RPD Limit 10			
SampID: LCS-R333317										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.02	1.000	0	102.1	90	110	07/31/2023

Batch R333317		SampType: MS		Units mg/L			RPD Limit 10			
SampID: 23070389-028EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		2.54	2.000	0.7110	91.4	90	110	07/31/2023

Batch R333317		SampType: MSD		Units mg/L			RPD Limit 10			
SampID: 23070389-028EMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		2.56	2.000	0.7110	92.2	2.539	0.63	07/31/2023

Batch R334442		SampType: MBLK		Units mg/L			RPD Limit 10			
SampID: MB-R334442										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	08/02/2023



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### EPA 600 350.1 (DISSOLVED)

Batch R334442		SampType: LCS		Units mg/L							Date
SampID: LCS-R334442											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)		0.10		1.02	1.000	0	101.5	90	110		08/02/2023

Batch R334442		SampType: MS		Units mg/L							Date
SampID: 23070389-048EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0	96.2	90	110		08/02/2023

Batch R334442		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 23070389-048EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0	95.8	1.925	0.52		08/02/2023

Batch R335212		SampType: MBLK		Units mg/L							Date
SampID: MB-R335212											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100		08/18/2023

Batch R335212		SampType: LCS		Units mg/L							Date
SampID: LCS-R335212											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)		0.10		1.02	1.000	0	102.1	90	110		08/18/2023

Batch R335212		SampType: MS		Units mg/L							Date
SampID: 23070389-112EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)		0.10		1.86	2.000	0	93.2	90	110		08/18/2023

Batch R335212		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 23070389-112EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Nitrogen, Ammonia (as N)		0.10		1.83	2.000	0	91.7	1.863	1.62		08/18/2023



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch R333199		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	07/26/2023	

Batch R333199		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		976	1000	0	97.6	90	110	07/26/2023	

Batch R333199		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-103ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		358				360.0	0.56	07/26/2023		

Batch R333268		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	07/27/2023	

Batch R333268		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		954	1000	0	95.4	90	110	07/27/2023	

Batch R333268		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-005ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		3020				2882	4.61	07/27/2023		

Batch R334473		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/01/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/01/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/01/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch R334473		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		978	1000	0	97.8	90	110	08/01/2023	
Total Dissolved Solids		20		972	1000	0	97.2	90	110	08/01/2023	
Total Dissolved Solids		20		912	1000	0	91.2	90	110	08/01/2023	

Batch R334473		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-002ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		2050				2140	4.30	08/01/2023		

Batch R334473		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-100ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		1240				1225	0.81	08/01/2023		

Batch R334530		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/02/2023	

Batch R334530		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		930	1000	0	93.0	90	110	08/02/2023	

Batch R334530		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-014ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		1060				1056	0.19	08/02/2023		

Batch R334586		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/03/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/03/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch R334586		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		928	1000	0	92.8	90	110	08/03/2023	
Total Dissolved Solids		20		936	1000	0	93.6	90	110	08/03/2023	

Batch R334586		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-025ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		875				875.0	0.00	08/03/2023		

Batch R334586		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-052ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		985				985.0	0.00	08/03/2023		

Batch R335351		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/21/2023	

Batch R335351		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		966	1000	0	96.6	90	110	08/21/2023	

Batch R335351		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-112ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		558				548.0	1.81	08/21/2023		

### STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R333091		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-016BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.0	85	115	07/25/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch	R333091	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-016BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.6	0.4600	9.92	07/25/2023	

Batch	R333091	SampType:	MS	Units mg/L				RPD Limit 10			
SampID: 23070389-103BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	93.0	85	115	07/25/2023	

Batch	R333091	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-103BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.44	0.5000	0	87.0	0.4650	6.67	07/25/2023	

Batch	R333148	SampType:	MS	Units mg/L				RPD Limit 10			
SampID: 23070389-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.6	85	115	07/26/2023	

Batch	R333148	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-005BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.0	0.5030	2.62	07/26/2023	

Batch	R333148	SampType:	MS	Units mg/L				RPD Limit 10			
SampID: 23070389-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.0	85	115	07/26/2023	

Batch	R333148	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-009BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.2	0.4950	0.20	07/26/2023	

Batch	R333148	SampType:	MS	Units mg/L				RPD Limit 10			
SampID: 23070389-043BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.8	85	115	07/27/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch	R333148	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.2	0.4940	6.91	07/27/2023	

Batch	R333292	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.4	85	115	07/28/2023	

Batch	R333292	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.4	0.5070	0.00	07/28/2023	

Batch	R334350	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.4	85	115	08/01/2023	

Batch	R334350	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	101.0	0.5070	0.40	08/01/2023	

Batch	R334350	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.0	85	115	08/01/2023	

Batch	R334350	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.8	0.5000	0.80	08/01/2023	

Batch	R334479	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.4	85	115	08/02/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch	R334479	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.4	0.4920	0.00	08/02/2023	

Batch	R335184	SampType:	MS	Units mg/L				RPD Limit 10			
SampID: 23070389-111BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	108.6	85	115	08/17/2023	

Batch	R335184	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-111BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	108.2	0.5430	0.37	08/17/2023	

Batch	R335184	SampType:	MS	Units mg/L				RPD Limit 10			
SampID: 23070389-112BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	108.2	85	115	08/17/2023	

Batch	R335184	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-112BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	108.2	0.5410	0.00	08/17/2023	

Batch	R335231	SampType:	MS	Units mg/L				RPD Limit 10			
SampID: 23070389-116BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	106.4	85	115	08/18/2023	

Batch	R335231	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 23070389-116BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	105.8	0.5320	0.57	08/18/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R333091		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/25/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/25/2023	

Batch R333091		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		1.24	1.250	0	98.8	90	110	07/25/2023	
Nitrogen, Nitrite (as N)		0.25		1.24	1.250	0	98.8	90	110	07/25/2023	

Batch R333148		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/26/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/26/2023	

Batch R333148		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		1.27	1.250	0	101.6	90	110	07/26/2023	
Nitrogen, Nitrite (as N)		0.25		1.27	1.250	0	101.6	90	110	07/26/2023	

Batch R333292		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	07/28/2023	

Batch R333292		SampType: MBLK		Units mg/Kg							Date Analyzed
SampID: MB-R333292											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.50		< 0.50	0.0250	0	0	-100	100	07/28/2023	

Batch R333292		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		1.24	1.250	0	99.2	90	110	07/28/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

**Batch R333292** SampType: **LCS** Units **mg/Kg**

SampID: LCS-R333292

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		2.50	J	<b>1.2</b>	1.250	0	99.2	90	110	07/28/2023

**Batch R334350** SampType: **MBLK** Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	07/31/2023
Nitrogen, Nitrite (as N)		0.05		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	07/31/2023

**Batch R334350** SampType: **LCS** Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		<b>1.24</b>	1.250	0	98.8	90	110	07/31/2023
Nitrogen, Nitrite (as N)		0.25		<b>1.24</b>	1.250	0	98.8	90	110	07/31/2023

**Batch R334479** SampType: **MBLK** Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	08/02/2023
Nitrogen, Nitrite (as N)		0.05		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	08/02/2023

**Batch R334479** SampType: **MBLK** Units **mg/Kg**

SampID: MBLK-230720

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.50		<b>&lt; 0.50</b>	0.0250	0	0	-100	100	08/02/2023

**Batch R334479** SampType: **LCS** Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		<b>1.20</b>	1.250	0	96.4	90	110	08/02/2023
Nitrogen, Nitrite (as N)		0.25		<b>1.20</b>	1.250	0	95.6	90	110	08/02/2023

**Batch R335184** SampType: **MBLK** Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	08/17/2023
Nitrogen, Nitrite (as N)		0.05		<b>&lt; 0.05</b>	0.0250	0	0	-100	100	08/17/2023



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R335184		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		1.29	1.250	0	103.2	90	110	08/17/2023	
Nitrogen, Nitrite (as N)		0.25		1.29	1.250	0	103.2	90	110	08/17/2023	

Batch R335231		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	08/18/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	08/18/2023	

Batch R335231		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		1.36	1.250	0	108.4	90	110	08/18/2023	
Nitrogen, Nitrite (as N)		0.25		1.36	1.250	0	108.4	90	110	08/18/2023	

### STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R333082		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-015BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.221	0.2500	0	88.4	85	115	07/25/2023	

Batch R333082		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-015BMDS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.222	0.2500	0	88.8	0.2210	0.45	07/25/2023		

Batch R333082		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-105BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.418	0.2500	0.1910	90.8	85	115	07/25/2023	

Batch R333082		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-105BMDS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.421	0.2500	0.1910	92.0	0.4180	0.72	07/25/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R333187		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-021BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.242</b>	0.2500	0	96.8	85	115	07/26/2023	

Batch R333187		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-021BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.238</b>	0.2500	0	95.2	0.2420	1.67	07/26/2023		

Batch R333252		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.250		<b>4.88</b>	1.250	3.565	105.4	85	115	07/27/2023	

Batch R333252		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-003BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.250		<b>4.78</b>	1.250	3.565	97.1	4.883	2.15	07/27/2023		

Batch R333300		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-100BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		<b>1.62</b>	0.5000	1.109	101.6	85	115	07/28/2023	

Batch R333300		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-100BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.100		<b>1.60</b>	0.5000	1.109	97.2	1.617	1.37	07/28/2023		

Batch R334435		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-012BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.232</b>	0.2500	0	92.8	85	115	08/01/2023	

Batch R334435		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-012BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.237</b>	0.2500	0	94.8	0.2320	2.13	08/01/2023		



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R334535		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-038BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.260</b>	0.2500	0.01000	100.0	85	115	08/02/2023	

Batch R334535		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-038BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.257</b>	0.2500	0.01000	98.8	0.2600	1.16	08/02/2023		

Batch R335191		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-113BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.248</b>	0.2500	0.009000	95.6	85	115	08/17/2023	

Batch R335191		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-113BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.248</b>	0.2500	0.009000	95.6	0.2480	0.00	08/17/2023		

### STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R333082		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		<b>&lt; 0.050</b>						07/25/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	07/25/2023	

Batch R333082		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.500</b>	0.5000	0	100.0	90	110	07/25/2023	

Batch R333082		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.262</b>	0.2500	0.02700	94.0	85	115	07/25/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R333082		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23070389-016AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.258</b>	0.2500	0.02700	92.4	0.2620	1.54	07/25/2023	

Batch R333187		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						07/26/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	07/26/2023	

Batch R333187		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.487</b>	0.5000	0	97.4	90	110	07/26/2023	

Batch R333187		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-009AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.270</b>	0.2500	0.02700	97.2	85	115	07/26/2023	

Batch R333187		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23070389-009AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.270</b>	0.2500	0.02700	97.2	0.2700	0.00	07/26/2023	

Batch R333252		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						07/27/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	07/27/2023	

Batch R333252		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.510</b>	0.5000	0	102.0	90	110	07/27/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R333252		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-104AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.240</b>	0.2500	0	96.0	85	115	07/27/2023	

Batch R333252		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-104AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.243</b>	0.2500	0	97.2	0.2400	1.24	07/27/2023		

Batch R333300		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		<b>&lt; 0.050</b>						07/28/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	07/28/2023	

Batch R333300		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.505</b>	0.5000	0	101.0	90	110	07/28/2023	

Batch R334435		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		<b>&lt; 0.050</b>						08/01/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	08/01/2023	

Batch R334435		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.482</b>	0.5000	0	96.4	90	110	08/01/2023	

Batch R334435		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-013AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.232</b>	0.2500	0	92.8	85	115	08/01/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch	R334435	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23070389-013AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.232</b>	0.2500	0	92.8	0.2320	0.00	08/01/2023	

Batch	R334435	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23070389-020AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.230</b>	0.2500	0	92.0	85	115	08/01/2023	

Batch	R334435	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23070389-020AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.228</b>	0.2500	0	91.2	0.2300	0.87	08/01/2023	

Batch	R334535	SampType:	MBLK	Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		<b>&lt; 0.050</b>						08/02/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	08/02/2023	

Batch	R334535	SampType:	LCS	Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.530</b>	0.5000	0	106.0	90	110	08/02/2023	

Batch	R335191	SampType:	MBLK	Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		<b>&lt; 0.050</b>						08/17/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>&lt; 0.050</b>	0.0090	0	0	-100	100	08/17/2023	

Batch	R335191	SampType:	LCS	Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		<b>0.508</b>	0.5000	0	101.6	90	110	08/17/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R335253		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						08/18/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/18/2023	

Batch R335253		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.516	0.5000	0	103.2	90	110	08/18/2023	

Batch R335253		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-117AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.293	0.2500	0.04100	100.8	85	115	08/18/2023	

Batch R335253		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-117AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.295	0.2500	0.04100	101.6	0.2930	0.68	08/18/2023		

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R333097		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		0.052	0.0500	0	104.0	85	115	07/26/2023	

Batch R333097		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-005BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		0.056	0.0500	0	112.0	0.05200	7.41	07/26/2023		

Batch R333097		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-103BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		0.152	0.0500	0.1030	98.0	85	115	07/26/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch	R333097	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.154</b>	0.0500	0.1030	102.0	0.1520	1.31	07/26/2023	

Batch	R333282	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.069</b>	0.0500	0.01800	102.0	85	115	07/28/2023	

Batch	R333282	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.074</b>	0.0500	0.01800	112.0	0.06900	6.99	07/28/2023	

Batch	R334477	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.108</b>	0.0500	0.05100	114.0	85	115	08/01/2023	

Batch	R334477	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.103</b>	0.0500	0.05100	104.0	0.1080	4.74	08/01/2023	

Batch	R334477	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.062</b>	0.0500	0.005000	114.0	85	115	08/01/2023	

Batch	R334477	SampType:	MSD	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.059</b>	0.0500	0.005000	108.0	0.06200	4.96	08/01/2023	

Batch	R334477	SampType:	MS	Units mg/L			RPD Limit 10				Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.043</b>	0.0500	0	86.0	85	115	08/02/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R334477		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 23070389-107BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.047</b>	0.0500	0	94.0	0.04300	8.89	08/02/2023	

Batch R335237		SampType: MS		Units mg/L				RPD Limit 10			
SampID: 23070389-116BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.052</b>	0.0500	0	104.0	85	115	08/18/2023	

Batch R335237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 23070389-116BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.056</b>	0.0500	0	112.0	0.05200	7.41	08/18/2023	

Batch R335237		SampType: MS		Units mg/L				RPD Limit 10			
SampID: 23070389-117BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.055</b>	0.0500	0	110.0	85	115	08/18/2023	

Batch R335237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 23070389-117BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.054</b>	0.0500	0	108.0	0.05500	1.83	08/18/2023	

### STANDARD METHODS 4500-P E 1999, 2011

Batch R333097		SampType: MBLK		Units mg/L				RPD Limit 10			
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	07/26/2023	

Batch R333097		SampType: LCS		Units mg/L				RPD Limit 10			
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.097</b>	0.1000	0	97.0	90	110	07/26/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-P E 1999, 2011

Batch R333097		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.049</b>	0.0500	0	98.0	85	115	07/26/2023	

Batch R333097		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-016AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phosphorus, Orthophosphate (as P)		0.010		<b>0.053</b>	0.0500	0	106.0	0.04900	7.84	07/26/2023		

Batch R333282		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	07/28/2023	

Batch R333282		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.103</b>	0.1000	0	103.0	90	110	07/28/2023	

Batch R334477		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	08/01/2023	

Batch R334477		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.108</b>	0.1000	0	108.0	90	110	08/01/2023	

Batch R334531		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>&lt; 0.010</b>	0.0020	0	0	-100	100	08/03/2023	

Batch R334531		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Orthophosphate (as P)		0.010		<b>0.103</b>	0.1000	0	103.0	90	110	08/03/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### STANDARD METHODS 4500-P E 1999, 2011

Batch R335237		SampType: MBLK		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		< 0.010	0.0020	0	0	-100	100	08/18/2023	

Batch R335237		SampType: LCS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		0.103	0.1000	0	103.0	90	110	08/18/2023	

### SW-846 9012A (TOTAL)

Batch 210000		SampType: MBLK		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	07/27/2023	

Batch 210000		SampType: LCS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.024	0.0250	0	97.9	90	110	07/27/2023	

Batch 210000		SampType: MS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.028	0.0250	0.004275	93.5	75	125	07/27/2023	

Batch 210000		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Cyanide		0.005		0.029	0.0250	0.004275	97.6	0.02766	3.62	07/27/2023		

Batch 210084		SampType: MBLK		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	07/28/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9012A (TOTAL)

Batch 210084		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230727 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.025</b>	0.0250	0	98.5	90	110	07/28/2023	

Batch 210084		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.024</b>	0.0250	0	96.6	75	125	07/28/2023	

Batch 210084		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-002DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Cyanide		0.005		<b>0.025</b>	0.0250	0	100.3	0.02415	3.80	07/28/2023		

Batch 210146		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230728 TCN4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< <b>0.005</b>	0.0015	0	0	-100	100	07/31/2023	

Batch 210146		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230728 TCN4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.023</b>	0.0250	0	90.9	90	110	07/31/2023	

Batch 210146		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-100DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.027</b>	0.0250	0	106.0	75	125	07/31/2023	

Batch 210146		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-100DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Cyanide		0.005		<b>0.027</b>	0.0250	0	108.3	0.02651	2.09	07/31/2023		

Batch 210262		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230801 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< <b>0.005</b>	0.0015	0	0	-100	100	08/02/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9012A (TOTAL)

Batch 210262		SampType: LCS		Units mg/L							Date
SampID: LCS 230801 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Cyanide		0.005		<b>0.027</b>	0.0250	0	108.0	90	110		08/02/2023

Batch 210262		SampType: MS		Units mg/L							Date
SampID: 23070389-048DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Cyanide		0.005		<b>0.022</b>	0.0250	0	86.3	75	125		08/02/2023

Batch 210262		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23070389-048DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Cyanide		0.005		<b>0.025</b>	0.0250	0	98.0	0.02157	12.74		08/02/2023

Batch 210422		SampType: MBLK		Units mg/L							Date
SampID: MBLK 230804 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Cyanide		0.005		<b>&lt; 0.005</b>	0.0015	0	0	-100	100		08/07/2023

Batch 210422		SampType: LCS		Units mg/L							Date
SampID: LCS 230804 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Cyanide		0.005		<b>0.026</b>	0.0250	0	103.4	90	110		08/07/2023

Batch 210422		SampType: MS		Units mg/L							Date
SampID: 23070389-047DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Cyanide		0.005		<b>0.025</b>	0.0250	0	98.1	75	125		08/07/2023

Batch 210422		SampType: MSD		Units mg/L		RPD Limit 15					Date
SampID: 23070389-047DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Cyanide		0.005		<b>0.024</b>	0.0250	0	94.7	0.02452	3.53		08/07/2023

Batch 210472		SampType: MBLK		Units mg/L							Date
SampID: MBLK 230807 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Cyanide		0.005		<b>&lt; 0.005</b>	0.0015	0	0	-100	100		08/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9012A (TOTAL)

Batch 210472		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230807 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.024</b>	0.0250	0	97.6	90	110	08/08/2023	

Batch 210472		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-107EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.025</b>	0.0250	0	98.5	75	125	08/08/2023	

Batch 210472		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-107EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Cyanide		0.005		<b>0.024</b>	0.0250	0	97.9	0.02462	0.61	08/08/2023		

Batch 211020		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230817 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>&lt; 0.005</b>	0.0015	0	0	-100	100	08/18/2023	

Batch 211020		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230817 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.027</b>	0.0250	0	107.2	90	110	08/18/2023	

Batch 211020		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-112DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		<b>0.026</b>	0.0250	0	103.0	75	125	08/18/2023	

Batch 211020		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-112DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Cyanide		0.005		<b>0.026</b>	0.0250	0	102.0	0.02576	1.01	08/18/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9036 (DISSOLVED)

Batch R334506		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500		1810	1000	921.6	89.0	85	115	08/02/2023	

Batch R334506		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-002BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		500		1850	1000	921.6	92.9	1812	2.12	08/02/2023		

Batch R334506		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-054BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		4580	2000	2690	94.6	85	115	08/02/2023	

Batch R334506		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-054BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		1000		4720	2000	2690	101.3	4583	2.86	08/02/2023		

Batch R334506		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-102BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		4390	2000	2296	104.9	85	115	08/02/2023	

Batch R334506		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-102BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		1000		4480	2000	2296	109.3	4394	1.97	08/02/2023		

Batch R334506		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-105BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		2000	E	12500	4000	8979	88.1	85	115	08/02/2023	

Batch R334506		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-105BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		2000	E	12900	4000	8979	98.2	12500	3.17	08/02/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9036 (DISSOLVED)

Batch R334506		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-108BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		<b>4760</b>	2000	2913	92.1	85	115	08/02/2023	

Batch R334506		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-108BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		1000		<b>4850</b>	2000	2913	97.0	4755	2.03	08/02/2023		

Batch R334639		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-047BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500		<b>2190</b>	1000	1110	108.1	85	115	08/05/2023	

Batch R334639		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-047BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		500		<b>2130</b>	1000	1110	101.9	2191	2.90	08/05/2023		

Batch R335217		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-111BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		<b>206</b>	100.0	108.7	96.9	85	115	08/17/2023	

Batch R335217		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-111BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		<b>197</b>	100.0	108.7	88.2	205.6	4.34	08/17/2023		

Batch R335341		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-117BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		<b>4570</b>	2000	2860	85.3	85	115	08/22/2023	

Batch R335341		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-117BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		1000		<b>4800</b>	2000	2860	96.9	4566	4.94	08/22/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9036 (TOTAL)

Batch R333276		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	07/27/2023	

Batch R333276		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		18	20.00	0	92.5	90	110	07/27/2023	

Batch R334391		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	07/31/2023	

Batch R334391		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	96.8	90	110	07/31/2023	

Batch R334391		SampType: MS		Units mg/L							
SampID: 23070389-015AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		468	200.0	267.6	100.2	85	115	07/31/2023	

Batch R334391		SampType: MSD		Units mg/L							
SampID: 23070389-015AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		465	200.0	267.6	98.8	468.0	0.57	07/31/2023	

Batch R334506		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	08/02/2023	

Batch R334506		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		20	20.00	0	97.9	90	110	08/02/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9036 (TOTAL)

Batch R334506		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-105AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		2000	E	<b>13000</b>	4000	9422	88.3	85	115	08/02/2023	

Batch R334506		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-105AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		2000	E	<b>13200</b>	4000	9422	93.2	12960	1.50	08/02/2023		

Batch R334559		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>&lt; 10</b>	7.620	0	0	-100	100	08/03/2023	

Batch R334559		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		<b>19</b>	20.00	0	96.3	90	110	08/03/2023	

Batch R334559		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-022AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		<b>85</b>	40.00	49.42	90.2	85	115	08/03/2023	

Batch R334559		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-022AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		<b>89</b>	40.00	49.42	98.5	85.48	3.84	08/03/2023		

Batch R334559		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-044AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		2000	E	<b>10200</b>	4000	6164	100.4	85	115	08/03/2023	

Batch R334559		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-044AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		2000	E	<b>10100</b>	4000	6164	99.5	10180	0.36	08/03/2023		





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9036 (TOTAL)

Batch R334639		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	08/04/2023	

Batch R334639		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		20	20.00	0	101.2	90	110	08/04/2023	

Batch R334639		SampType: MS		Units mg/L							
SampID: 23070389-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		305	200.0	118.2	93.3	85	115	08/04/2023	

Batch R334639		SampType: MSD		Units mg/L							
SampID: 23070389-006AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		317	200.0	118.2	99.2	304.8	3.82	08/04/2023	

Batch R334639		SampType: MS		Units mg/L							
SampID: 23070389-050AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500		1480	1000	534.0	94.1	85	115	08/04/2023	

Batch R334639		SampType: MSD		Units mg/L							
SampID: 23070389-050AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		500	S	1350	1000	534.0	82.1	1475	8.53	08/04/2023	

Batch R334769		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	08/08/2023	

Batch R334769		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		21	20.00	0	104.6	90	110	08/08/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9036 (TOTAL)

Batch R334769		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-091AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	S	76	40.00	48.84	68.6	85	115	08/08/2023	

Batch R334769		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-091AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20	S	75	40.00	48.84	64.8	76.29	2.01	08/08/2023		

Batch R334863		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/10/2023	

Batch R334863		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	97.6	90	110	08/10/2023	

Batch R334945		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/11/2023	

Batch R334945		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	101.2	90	110	08/11/2023	

Batch R335217		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/17/2023	

Batch R335217		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	99.6	90	110	08/17/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9036 (TOTAL)

Batch R335341		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	08/21/2023	

Batch R335341		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		20	20.00	0	98.0	90	110	08/21/2023	

Batch R335452		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	08/23/2023	

Batch R335452		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		19	20.00	0	95.9	90	110	08/23/2023	

### SW-846 9050A

Batch R334775		SampType: LCS		Units µmhos/cm @25C							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Conductivity		10		1280	1412	0	90.7	90	110	08/09/2023	

Batch R334775		SampType: LCS1		Units µmhos/cm @25C							Date Analyzed
SampID: LCS1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Conductivity		10		6300	6667	0	94.5	90	110	08/09/2023	

Batch R334775		SampType: DUP		Units µmhos/cm @25C							Date Analyzed
SampID: 23070389-028ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Conductivity		10		3850				3920	1.80	08/09/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9050A

Batch R334775		SampType: DUP		Units µmhos/cm @25C				RPD Limit 10			Date Analyzed
SampID: 23070389-100ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Conductivity		10		1640				1630	0.61	08/09/2023	

Batch R334775		SampType: DUP		Units µmhos/cm @25C				RPD Limit 10			Date Analyzed
SampID: 23070389-110ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Conductivity		10		1330				1330	0.00	08/09/2023	

### SW-846 9060A

Batch R334837		SampType: MBLK		Units mg/L						Date Analyzed
SampID: FILTER MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/09/2023

Batch R334837		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MB-R334837										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	0	0	08/09/2023

Batch R334837		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS-R334837										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		5.0		20.8	21.60	0	96.2	90	110	08/09/2023

Batch R334837		SampType: MS		Units mg/L						Date Analyzed
SampID: 23070389-005FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		8.9	5.000	4.490	88.0	85	115	08/10/2023

Batch R334837		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 23070389-005FMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Dissolved Organic Carbon		1.0		8.8	5.000	4.490	86.2	8.890	1.02	08/10/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9060A

Batch R334982 SampType: MBLK Units mg/L

SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/14/2023

Batch R334982 SampType: MBLK Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		0.5		< 0.5	0.4500	0	0	-100	100	08/14/2023

Batch R334982 SampType: MBLK Units mg/L

SampID: MB-R334982

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/14/2023

Batch R334982 SampType: LCS Units mg/L

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		2.5		21.0	21.60	0	97.0	90	110	08/14/2023

Batch R334982 SampType: LCS Units mg/L

SampID: LCS-R334982

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		5.0		21.0	21.60	0	97.0	90	110	08/14/2023

Batch R334982 SampType: MS Units mg/L

SampID: 23070389-013FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		5.0		52.4	50.00	8.030	88.7	85	115	08/14/2023

Batch R334982 SampType: MSD Units mg/L

SampID: 23070389-013FMDS

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		5.0		51.8	50.00	8.030	87.5	52.37	1.17	08/14/2023

Batch R334982 SampType: MS Units mg/L

SampID: 23070389-020FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0	E	11.3	5.000	6.530	96.2	85	115	08/14/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9060A

Batch	R334982	SampType:	MSD	Units	mg/L	RPD Limit	10					Date
Analyses												Analyzed
SampID:	23070389-020FMSD											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Dissolved Organic Carbon			1.0	E	11.3	5.000	6.530	95.4	11.34	0.35		08/14/2023

Batch	R335281	SampType:	MBLK	Units	mg/L					Date		
Analyses												Analyzed
SampID:	FILTER MBLK											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Dissolved Organic Carbon			1.0		< 1.0	0.4500	0	0	-100	100		08/18/2023

Batch	R335281	SampType:	MBLK	Units	mg/L					Date		
Analyses												Analyzed
SampID:	ICB/MBLK											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)			1.0		< 1.0	0.4500	0	0	-100	100		08/18/2023

Batch	R335281	SampType:	MBLK	Units	mg/L					Date		
Analyses												Analyzed
SampID:	MB-R335281											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Dissolved Organic Carbon			1.0		< 1.0	0.4500	0	0	-100	100		08/18/2023

Batch	R335281	SampType:	LCS	Units	mg/L					Date		
Analyses												Analyzed
SampID:	ICV/LCS											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)			5.0		21.4	21.60	0	98.8	90	110		08/18/2023

Batch	R335281	SampType:	LCS	Units	mg/L					Date		
Analyses												Analyzed
SampID:	LCS-R335281											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Dissolved Organic Carbon			5.0		21.4	21.60	0	98.8	90	110		08/18/2023

Batch	R335281	SampType:	MS	Units	mg/L					Date		
Analyses												Analyzed
SampID:	23070389-005EMS											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)			1.0	S	7.8	5.000	3.580	83.8	85	115		08/18/2023

Batch	R335281	SampType:	MSD	Units	mg/L	RPD Limit	10					Date
Analyses												Analyzed
SampID:	23070389-005EMSD											
		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Organic Carbon (TOC)			1.0	S	7.6	5.000	3.580	79.6	7.770	2.74		08/18/2023



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9060A

Batch R335281		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-013EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		5.0	S	28.5	25.00	9.230	77.2	85	115	08/18/2023	

Batch R335281		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-013EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		5.0	S	29.5	25.00	9.230	81.1	28.53	3.38	08/18/2023		

Batch R335281		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-018EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.7	5.000	1.390	85.8	85	115	08/18/2023	

Batch R335281		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-018EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		1.0		5.7	5.000	1.390	85.8	5.680	0.00	08/18/2023		

Batch R335281		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-102EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		2.0	S	11.9	10.00	12.04	-1.8	85	115	08/18/2023	

Batch R335281		SampType: MSD		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23070389-102EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Organic Carbon (TOC)		2.0	S	12.1	10.00	12.04	0.8	11.86	2.17	08/18/2023		

Batch R335506		SampType: MBLK		Units mg/L							Date Analyzed
SampID: FILTER MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	08/24/2023	

Batch R335506		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	08/24/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9060A

Batch R335506		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.3	5.000	0	105.6	90	110	08/24/2023	

### SW-846 9214 (DISSOLVED)

Batch R333259		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-049BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.06	2.000	0.2540	90.1	75	125	07/28/2023	

Batch R333259		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-049BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.11	2.000	0.2540	92.8	2.056	2.55	07/28/2023		

Batch R334347		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-024BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.30	2.000	0.2930	100.5	75	125	07/31/2023	

Batch R334347		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-024BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.29	2.000	0.2930	99.9	2.303	0.52	07/31/2023		

Batch R334347		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-110BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.22	2.000	0.2920	96.5	75	125	07/31/2023	

Batch R334347		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-110BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.20	2.000	0.2920	95.6	2.222	0.86	07/31/2023		



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9214 (DISSOLVED)

Batch R334593		SampType: MS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		1.98	2.000	0	99.0	75	125	08/04/2023	

Batch R334593		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride		0.10		1.94	2.000	0	96.9	1.980	2.14	08/04/2023		

### SW-846 9214 (TOTAL)

Batch R333087		SampType: MBLK		Units mg/L							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	07/25/2023	

Batch R333087		SampType: LCS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		1.09	1.000	0	108.6	90	110	07/25/2023	

Batch R333087		SampType: MS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		3.15	2.000	1.540	80.6	75	125	07/26/2023	

Batch R333087		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride		0.10		3.07	2.000	1.540	76.4	3.152	2.73	07/26/2023		

Batch R333194		SampType: MBLK		Units mg/L							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	07/27/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9214 (TOTAL)

Batch R333194		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	105.8	90	110	07/27/2023	

Batch R333194		SampType: MS		Units mg/L							
SampID: 23070389-011AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.59	2.000	0.4340	107.7	75	125	07/27/2023	

Batch R333194		SampType: MSD		Units mg/L							
SampID: 23070389-011AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.61	2.000	0.4340	108.6	2.588	0.69	07/27/2023	

Batch R333194		SampType: MS		Units mg/L							
SampID: 23070389-108AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.10	2.000	0.2160	94.2	75	125	07/27/2023	

Batch R333194		SampType: MSD		Units mg/L							
SampID: 23070389-108AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.08	2.000	0.2160	93.0	2.099	1.10	07/27/2023	

Batch R333259		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	07/28/2023	

Batch R333259		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		0.93	1.000	0	93.3	90	110	07/28/2023	

Batch R333259		SampType: MS		Units mg/L							
SampID: 23070389-104AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		1.00		17.6	20.00	1.110	82.5	75	125	07/28/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9214 (TOTAL)

Batch R333259		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-104AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		1.00		18.0	20.00	1.110	84.5	17.61	2.25	07/28/2023	

Batch R334347		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	07/31/2023	

Batch R334347		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.00	1.000	0	99.9	90	110	07/31/2023	

Batch R334474		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	08/02/2023	

Batch R334474		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		1.01	1.000	0	100.6	90	110	08/02/2023	

Batch R334474		SampType: MS		Units mg/L							
SampID: 23070389-020AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.79	2.000	0.7220	103.2	75	125	08/02/2023	

Batch R334474		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-020AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.76	2.000	0.7220	101.7	2.787	1.12	08/02/2023	

Batch R334474		SampType: MS		Units mg/L							
SampID: 23070389-045AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.92	2.000	0.2300	84.5	75	125	08/02/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9214 (TOTAL)

Batch R334474		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-045AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		1.97	2.000	0.2300	87.0	1.920	2.62	08/02/2023	

Batch R334474		SampType: MS		Units mg/L							
SampID: 23070389-052AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.48	2.000	0.4220	102.8	75	125	08/02/2023	

Batch R334474		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-052AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.48	2.000	0.4220	103.0	2.478	0.16	08/02/2023	

Batch R334593		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	08/04/2023	

Batch R334593		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		0.96	1.000	0	96.3	90	110	08/04/2023	

Batch R335249		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	08/21/2023	

Batch R335249		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		0.96	1.000	0	96.5	90	110	08/21/2023	

Batch R335249		SampType: MS		Units mg/L							
SampID: 23070389-117AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.12	2.000	0.1980	96.0	75	125	08/21/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9214 (TOTAL)

Batch R335249		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-117AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.10	2.000	0.1980	95.2	2.119	0.81	08/21/2023	

### SW-846 9251 (DISSOLVED)

Batch R333281		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23070389-102BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		143	100.0	45.99	96.8	85	115	07/27/2023	

Batch R333281		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-102BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20		142	100.0	45.99	96.0	142.8	0.62	07/27/2023	

Batch R333281		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23070389-105BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20	E	281	100.0	191.5	89.7	85	115	07/27/2023	

Batch R333281		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-105BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20	E	283	100.0	191.5	91.9	281.2	0.78	07/27/2023	

Batch R334401		SampType: MS		Units mg/L				RPD Limit 15			
SampID: 23070389-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		289	200.0	98.29	95.4	85	115	07/31/2023	

Batch R334401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23070389-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		40		291	200.0	98.29	96.4	289.1	0.65	07/31/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9251 (DISSOLVED)

Batch R334401		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-108BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		80		500	400.0	108.7	97.9	85	115	07/31/2023	

Batch R334401		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-108BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		80		503	400.0	108.7	98.6	500.3	0.59	07/31/2023		

Batch R334538		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-054BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		1340	1000	407.2	93.1	85	115	08/02/2023	

Batch R334538		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-054BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		200		1360	1000	407.2	94.9	1338	1.30	08/02/2023		

Batch R334646		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-047BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		1200	1000	210.9	98.7	85	115	08/05/2023	

Batch R334646		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-047BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		200		1190	1000	210.9	97.5	1198	1.03	08/05/2023		

Batch R335223		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-111BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		167	100.0	76.40	90.5	85	115	08/17/2023	

Batch R335223		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-111BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		20		163	100.0	76.40	86.4	166.9	2.51	08/17/2023		





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9251 (DISSOLVED)

Batch R335479		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-117BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		285	200.0	101.8	91.6	85	115	08/23/2023	

Batch R335479		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-117BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		40		287	200.0	101.8	92.8	285.0	0.85	08/23/2023		

### SW-846 9251 (TOTAL)

Batch R333281		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	07/27/2023	

Batch R333281		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	102.8	90	110	07/27/2023	

Batch R333281		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-015AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		43	20.00	25.11	89.2	85	115	07/27/2023	

Batch R333281		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-015AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		43	20.00	25.11	89.0	42.95	0.12	07/27/2023		

Batch R333281		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-105AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20	E	282	100.0	185.9	95.6	85	115	07/27/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9251 (TOTAL)

Batch R333281		SampType: MSD		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23070389-105AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		20	E	282	100.0	185.9	96.4	281.6	0.28	07/27/2023	

Batch R334401		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	07/31/2023	

Batch R334401		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	101.6	90	110	07/31/2023	

Batch R334538		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	08/02/2023	

Batch R334538		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	101.7	90	110	08/02/2023	

Batch R334538		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-022AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	S	43	20.00	25.67	84.8	85	115	08/02/2023	

Batch R334538		SampType: MSD		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23070389-022AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4	S	42	20.00	25.67	84.1	42.64	0.38	08/02/2023	

Batch R334594		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	08/03/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9251 (TOTAL)

Batch R334594		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	105.6	90	110	08/03/2023	

Batch R334594		SampType: MS		Units mg/L							
SampID: 23070389-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		29	20.00	9.860	96.8	85	115	08/03/2023	

Batch R334594		SampType: MSD		Units mg/L							
SampID: 23070389-006AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		29	20.00	9.860	96.9	29.23	0.03	08/03/2023	

Batch R334594		SampType: MS		Units mg/L							
SampID: 23070389-044AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		800		6220	4000	2368	96.2	85	115	08/03/2023	

Batch R334594		SampType: MSD		Units mg/L							
SampID: 23070389-044AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		800		6040	4000	2368	91.8	6216	2.90	08/03/2023	

Batch R334646		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	08/04/2023	

Batch R334646		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	102.2	90	110	08/04/2023	

Batch R334776		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	08/08/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9251 (TOTAL)

Batch R334776		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	104.0	90	110	08/08/2023	

Batch R334776		SampType: MS		Units mg/L							
SampID: 23070389-050AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.690	95.6	85	115	08/08/2023	

Batch R334776		SampType: MSD		Units mg/L							
SampID: 23070389-050AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	4.690	95.6	23.80	0.04	08/08/2023	

Batch R334776		SampType: MS		Units mg/L							
SampID: 23070389-091AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		49	40.00	10.23	96.3	85	115	08/08/2023	

Batch R334776		SampType: MSD		Units mg/L							
SampID: 23070389-091AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		8		49	40.00	10.23	96.4	48.76	0.08	08/08/2023	

Batch R334902		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	08/10/2023	

Batch R334902		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	103.6	90	110	08/10/2023	

Batch R334956		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	08/11/2023	



## Quality Control Results

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Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 9251 (TOTAL)

Batch R334956		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	105.8	90	110	08/11/2023	

Batch R335223		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	08/17/2023	

Batch R335223		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	100.8	90	110	08/17/2023	

Batch R335354		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	08/21/2023	

Batch R335354		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	98.6	90	110	08/21/2023	

Batch R335479		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	08/23/2023	

Batch R335479		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	101.8	90	110	08/23/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210037 SampType: MBLK Units mg/L  
SampID: MBLK-210037

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	07/28/2023
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/02/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	07/28/2023
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/02/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/02/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	07/28/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	07/28/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	07/28/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/02/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/02/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/28/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/02/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	07/28/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	07/28/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/02/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	07/28/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	08/02/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	07/28/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/02/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	07/28/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/02/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/28/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/02/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/02/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	07/28/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/02/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	07/28/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/02/2023
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	08/02/2023
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	07/28/2023
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	08/02/2023
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	07/28/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210037 SampType: LCS Units mg/L

SampleID: LCS-210037

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.94</b>	2.000	0	96.9	85	115	08/02/2023
Aluminum		0.0250		<b>1.72</b>	2.000	0	85.8	85	115	07/28/2023
Antimony		0.0500		<b>0.445</b>	0.5000	0	88.9	85	115	07/28/2023
Antimony		0.0500		<b>0.490</b>	0.5000	0	98.0	85	115	08/02/2023
Arsenic		0.0250		<b>0.475</b>	0.5000	0	95.0	85	115	07/28/2023
Arsenic		0.0250		<b>0.503</b>	0.5000	0	100.6	85	115	08/02/2023
Boron		0.0200		<b>0.454</b>	0.5000	0	90.7	85	115	07/28/2023
Cadmium		0.0020		<b>0.0499</b>	0.0500	0	99.8	85	115	08/02/2023
Cadmium		0.0020		<b>0.0492</b>	0.0500	0	98.4	85	115	07/28/2023
Calcium		0.100		<b>2.30</b>	2.500	0	91.9	85	115	07/28/2023
Calcium		0.100		<b>2.59</b>	2.500	0	103.4	85	115	08/02/2023
Chromium		0.0050		<b>0.181</b>	0.2000	0	90.6	85	115	07/28/2023
Chromium		0.0050		<b>0.197</b>	0.2000	0	98.6	85	115	08/02/2023
Iron		0.0400		<b>1.80</b>	2.000	0	90.0	85	115	07/28/2023
Iron		0.0400		<b>1.99</b>	2.000	0	99.6	85	115	08/02/2023
Lead		0.0150		<b>0.503</b>	0.5000	0	100.7	85	115	08/02/2023
Lead		0.0150		<b>0.464</b>	0.5000	0	92.9	85	115	07/28/2023
Magnesium		0.0500		<b>2.18</b>	2.500	0	87.1	85	115	07/28/2023
Magnesium		0.0500		<b>2.44</b>	2.500	0	97.5	85	115	08/02/2023
Manganese		0.0070		<b>0.443</b>	0.5000	0	88.7	85	115	07/28/2023
Manganese		0.0070		<b>0.498</b>	0.5000	0	99.7	85	115	08/02/2023
Potassium		0.100		<b>2.53</b>	2.500	0	101.2	85	115	08/02/2023
Potassium		0.100		<b>2.35</b>	2.500	0	94.0	85	115	07/28/2023
Selenium		0.0400		<b>0.500</b>	0.5000	0	100.0	85	115	08/02/2023
Selenium		0.0400		<b>0.447</b>	0.5000	0	89.5	85	115	07/28/2023
Silicon	*	0.0500		<b>0.459</b>	0.5000	0	91.8	85	115	08/02/2023
Sodium		0.0500		<b>2.42</b>	2.500	0	96.8	85	115	08/02/2023
Sodium		0.0500		<b>2.17</b>	2.500	0	86.7	85	115	07/28/2023
Vanadium		0.0100		<b>0.448</b>	0.5000	0	89.6	85	115	07/28/2023
Vanadium		0.0100		<b>0.489</b>	0.5000	0	97.8	85	115	08/02/2023
Zinc		0.0100		<b>0.451</b>	0.5000	0	90.2	85	115	07/28/2023
Zinc		0.0100		<b>0.498</b>	0.5000	0	99.5	85	115	08/02/2023





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210037		SampType: MS		Units mg/L							Date
SampID: 23070389-009DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Calcium		0.100	S	<b>358</b>	2.500	363.9	-239.6	75	125		08/02/2023
Magnesium		0.0500	S	<b>280</b>	2.500	286.5	-278.9	75	125		08/02/2023
Potassium		0.100		<b>4.16</b>	2.500	1.722	97.5	75	125		07/28/2023
Silicon	*	0.0500	S	<b>10.4</b>	0.5000	10.26	36.3	75	125		08/02/2023
Sodium		0.0500	S	<b>243</b>	2.500	247.2	-163.2	75	125		08/02/2023

Batch 210037		SampType: MSD		Units mg/L		RPD Limit 20					Date
SampID: 23070389-009DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Date Analyzed
Calcium		0.100	S	<b>359</b>	2.500	363.9	-197.6	358.0	0.29		08/02/2023
Magnesium		0.0500	S	<b>282</b>	2.500	286.5	-189.8	279.6	0.79		08/02/2023
Potassium		0.100		<b>4.14</b>	2.500	1.722	96.8	4.160	0.41		07/28/2023
Silicon	*	0.0500	S	<b>10.4</b>	0.5000	10.26	35.4	10.44	0.05		08/02/2023
Sodium		0.0500	S	<b>243</b>	2.500	247.2	-177.2	243.1	0.14		08/02/2023

Batch 210142		SampType: MBLK		Units mg/L							Date
SampID: MBLK-210142											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Aluminum		0.0250		< <b>0.0250</b>	0.0127	0	0	-100	100		08/01/2023
Antimony		0.0500		< <b>0.0500</b>	0.0068	0	0	-100	100		08/01/2023
Arsenic		0.0250		< <b>0.0250</b>	0.0087	0	0	-100	100		08/01/2023
Boron		0.0200		< <b>0.0200</b>	0.0090	0	0	-100	100		08/01/2023
Cadmium		0.0020		< <b>0.0020</b>	0.0005	0	0	-100	100		08/01/2023
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100		08/01/2023
Chromium		0.0050		< <b>0.0050</b>	0.0028	0	0	-100	100		08/01/2023
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100		08/01/2023
Lead		0.0150		< <b>0.0150</b>	0.0014	0	0	-100	100		08/01/2023
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100		08/01/2023
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100		08/01/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100		08/01/2023
Selenium		0.0400		< <b>0.0400</b>	0.0170	0	0	-100	100		08/01/2023
Silicon	*	0.0500		< <b>0.0500</b>	0.0122	0	0	-100	100		08/04/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100		08/01/2023
Vanadium		0.0100		< <b>0.0100</b>	0.0009	0	0	-100	100		08/01/2023
Zinc		0.0100		< <b>0.0100</b>	0.0050	0	0	-100	100		08/01/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210142 SampType: LCS Units mg/L  
SampID: LCS-210142

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.81	2.000	0	90.5	85	115	08/01/2023
Antimony		0.0500		0.459	0.5000	0	91.9	85	115	08/01/2023
Arsenic		0.0250		0.460	0.5000	0	92.0	85	115	08/01/2023
Boron		0.0200		0.456	0.5000	0	91.2	85	115	08/01/2023
Cadmium		0.0020		0.0464	0.0500	0	92.8	85	115	08/01/2023
Calcium		0.100		2.36	2.500	0	94.4	85	115	08/01/2023
Chromium		0.0050		0.181	0.2000	0	90.7	85	115	08/01/2023
Iron		0.0400		1.83	2.000	0	91.3	85	115	08/01/2023
Lead		0.0150		0.459	0.5000	0	91.9	85	115	08/01/2023
Magnesium		0.0500		2.19	2.500	0	87.6	85	115	08/01/2023
Manganese		0.0070		0.452	0.5000	0	90.3	85	115	08/01/2023
Potassium		0.100		2.52	2.500	0	100.9	85	115	08/01/2023
Selenium		0.0400		0.439	0.5000	0	87.8	85	115	08/01/2023
Silicon	*	0.0500		0.501	0.5000	0	100.2	85	115	08/07/2023
Sodium		0.0500		2.34	2.500	0	93.6	85	115	08/01/2023
Vanadium		0.0100		0.458	0.5000	0	91.6	85	115	08/01/2023
Zinc		0.0100		0.456	0.5000	0	91.2	85	115	08/01/2023

Batch 210142 SampType: MS Units mg/L  
SampID: 23070389-043CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	487	2.500	491.4	-165.2	75	125	08/01/2023
Magnesium		0.0500	S	268	2.500	268.6	-14.3	75	125	08/01/2023
Potassium		0.100		6.98	2.500	4.330	106.1	75	125	08/01/2023
Sodium		0.0500	S	154	2.500	153.8	15.2	75	125	08/01/2023

Batch 210142 SampType: MSD Units mg/L  
SampID: 23070389-043CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	485	2.500	491.4	-270.4	487.2	0.54	08/01/2023
Magnesium		0.0500	S	265	2.500	268.6	-137.5	268.3	1.16	08/01/2023
Potassium		0.100		6.92	2.500	4.330	103.6	6.984	0.90	08/01/2023
Sodium		0.0500	S	153	2.500	153.8	-25.2	154.2	0.66	08/01/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210298 SampType: MBLK Units mg/L  
SampID: MBLK-210298

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/02/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/02/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/02/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/02/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/02/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/02/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/02/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/02/2023

Batch 210298 SampType: LCS Units mg/L  
SampID: LCS-210298

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.80	2.000	0	90.2	85	115	08/02/2023
Cadmium		0.0020		0.0483	0.0500	0	96.6	85	115	08/03/2023
Calcium		0.100		2.39	2.500	0	95.8	85	115	08/02/2023
Iron		0.0400		1.94	2.000	0	96.9	85	115	08/02/2023
Magnesium		0.0500		2.26	2.500	0	90.5	85	115	08/02/2023
Manganese		0.0070		0.472	0.5000	0	94.3	85	115	08/02/2023
Potassium		0.100		2.47	2.500	0	98.8	85	115	08/02/2023
Silicon	*	0.0500		0.502	0.5000	0	100.4	85	115	08/07/2023
Sodium		0.0500		2.28	2.500	0	91.2	85	115	08/02/2023

Batch 210298 SampType: MS Units mg/L  
SampID: 23070389-048CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	591	2.500	597.2	-241.6	75	125	08/02/2023
Magnesium		0.0500	S	395	2.500	398.0	-108.9	75	125	08/02/2023
Potassium		0.100		6.53	2.500	3.799	109.2	75	125	08/02/2023
Sodium		2.50	S	556	2.500	562.0	-240.0	75	125	08/03/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210298		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23070389-048CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>592</b>	2.500	597.2	-214.8	591.2	0.11	08/02/2023	
Magnesium		0.0500	S	<b>397</b>	2.500	398.0	-24.8	395.3	0.53	08/02/2023	
Potassium		0.100		<b>6.53</b>	2.500	3.799	109.4	6.529	0.08	08/02/2023	
Sodium		2.50	S	<b>562</b>	2.500	562.0	0	556.0	1.07	08/03/2023	

Batch 210567		SampType: MBLK		Units mg/L						Date Analyzed
SampID: MBLK-210567										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< <b>0.0250</b>	0.0127	0	0	-100	100	08/10/2023
Aluminum		0.0250		< <b>0.0250</b>	0.0127	0	0	-100	100	08/09/2023
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	08/10/2023
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	08/10/2023
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	08/09/2023
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	08/09/2023
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	08/09/2023
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	08/10/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	08/09/2023
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	08/10/2023
Silicon	*	0.0500		< <b>0.0500</b>	0.0122	0	0	-100	100	08/09/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	08/09/2023
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	08/10/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210567 SampType: LCS Units mg/L

SampID: LCS-210567

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.73	2.000	0	86.6	85	115	08/09/2023
Aluminum		0.0250		1.73	2.000	0	86.4	85	115	08/10/2023
Calcium		0.100		2.30	2.500	0	91.9	85	115	08/10/2023
Iron		0.0400		1.84	2.000	0	91.9	85	115	08/09/2023
Iron		0.0400		1.74	2.000	0	87.0	85	115	08/10/2023
Magnesium		0.0500		2.26	2.500	0	90.3	85	115	08/09/2023
Manganese		0.0070		0.461	0.5000	0	92.1	85	115	08/09/2023
Manganese		0.0070		0.431	0.5000	0	86.2	85	115	08/10/2023
Potassium		0.100		2.41	2.500	0	96.4	85	115	08/09/2023
Potassium		0.100		2.43	2.500	0	97.0	85	115	08/10/2023
Silicon	*	0.0500		0.425	0.5000	0	85.0	85	115	08/09/2023
Sodium		0.0500		2.24	2.500	0	89.6	85	115	08/10/2023
Sodium		0.0500		2.21	2.500	0	88.5	85	115	08/09/2023

Batch 210567 SampType: MS Units mg/L

SampID: 23070389-038CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	66.0	2.500	64.96	39.6	75	125	08/09/2023
Magnesium		0.0500		27.1	2.500	25.20	75.4	75	125	08/09/2023
Potassium		0.100		2.61	2.500	0.2328	95.1	75	125	08/09/2023
Sodium		0.0500	S	100	2.500	100.8	-26.0	75	125	08/09/2023

Batch 210567 SampType: MSD Units mg/L

SampID: 23070389-038CMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	66.0	2.500	64.96	40.0	65.95	0.02	08/09/2023
Magnesium		0.0500		27.2	2.500	25.20	79.9	27.09	0.42	08/09/2023
Potassium		0.100		2.64	2.500	0.2328	96.2	2.611	1.01	08/09/2023
Sodium		0.0500	S	101	2.500	100.8	2.0	100.2	0.70	08/09/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211013 SampType: MBLK Units mg/L  
SampID: MBLK-211013

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/18/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/18/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/18/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	08/18/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/18/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/18/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/18/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/18/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/18/2023
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	08/18/2023
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	08/18/2023

Batch 211013 SampType: LCS Units mg/L  
SampID: LCS-211013

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.71	2.000	0	85.5	85	115	08/18/2023
Calcium		0.100		2.28	2.500	0	91.1	85	115	08/18/2023
Iron		0.0400		1.77	2.000	0	88.3	85	115	08/18/2023
Lead		0.0150		0.448	0.5000	0	89.5	85	115	08/18/2023
Magnesium		0.0500		2.13	2.500	0	85.0	85	115	08/18/2023
Manganese		0.0070		0.440	0.5000	0	88.0	85	115	08/18/2023
Potassium		0.100		2.43	2.500	0	97.1	85	115	08/18/2023
Selenium		0.0400		0.445	0.5000	0	89.0	85	115	08/18/2023
Sodium		0.0500		2.26	2.500	0	90.5	85	115	08/18/2023
Vanadium		0.0100		0.442	0.5000	0	88.4	85	115	08/18/2023
Zinc		0.0100		0.445	0.5000	0	89.0	85	115	08/18/2023

Batch 211013 SampType: MS Units mg/L  
SampID: 23070389-112CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	59.3	2.500	59.96	-25.2	75	125	08/18/2023
Magnesium		0.0500		26.6	2.500	24.56	83.0	75	125	08/21/2023
Potassium		0.100		2.66	2.500	0.1760	99.2	75	125	08/18/2023
Sodium		0.0500		103	2.500	100.7	94.0	75	125	08/18/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211013		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23070389-112CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>60.5</b>	2.500	59.96	20.8	59.33	1.92	08/18/2023	
Magnesium		0.0500		<b>26.7</b>	2.500	24.56	84.2	26.63	0.11	08/21/2023	
Potassium		0.100		<b>2.59</b>	2.500	0.1760	96.4	2.657	2.74	08/18/2023	
Sodium		0.0500	S	<b>98.8</b>	2.500	100.7	-75.2	103.0	4.19	08/18/2023	

Batch 211033		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-211033											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< <b>0.0250</b>	0.0127	0	0	-100	100	08/18/2023	
Antimony		0.0500		< <b>0.0500</b>	0.0068	0	0	-100	100	08/18/2023	
Arsenic		0.0250		< <b>0.0250</b>	0.0087	0	0	-100	100	08/18/2023	
Boron		0.0200		< <b>0.0200</b>	0.0090	0	0	-100	100	08/18/2023	
Cadmium		0.0020		< <b>0.0020</b>	0.0005	0	0	-100	100	08/18/2023	
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	08/18/2023	
Chromium		0.0050		< <b>0.0050</b>	0.0028	0	0	-100	100	08/18/2023	
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	08/18/2023	
Lead		0.0150		< <b>0.0150</b>	0.0014	0	0	-100	100	08/18/2023	
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	08/18/2023	
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	08/18/2023	
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	08/18/2023	
Selenium		0.0400		< <b>0.0400</b>	0.0170	0	0	-100	100	08/18/2023	
Silicon	*	0.0500		< <b>0.0500</b>	0.0122	0	0	-100	100	08/18/2023	
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	08/18/2023	
Vanadium		0.0100		< <b>0.0100</b>	0.0009	0	0	-100	100	08/18/2023	
Zinc		0.0100		< <b>0.0100</b>	0.0050	0	0	-100	100	08/18/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211033 SampType: LCS Units mg/L  
SampID: LCS-211033

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.72	2.000	0	86.2	85	115	08/18/2023
Antimony		0.0500		0.448	0.5000	0	89.5	85	115	08/18/2023
Arsenic		0.0250		0.464	0.5000	0	92.9	85	115	08/18/2023
Boron		0.0200		0.444	0.5000	0	88.8	85	115	08/18/2023
Cadmium		0.0020		0.0448	0.0500	0	89.6	85	115	08/18/2023
Calcium		0.100		2.33	2.500	0	93.4	85	115	08/18/2023
Chromium		0.0050		0.179	0.2000	0	89.3	85	115	08/18/2023
Iron		0.0400		1.80	2.000	0	89.8	85	115	08/18/2023
Lead		0.0150		0.454	0.5000	0	90.8	85	115	08/18/2023
Magnesium		0.0500		2.16	2.500	0	86.4	85	115	08/18/2023
Manganese		0.0070		0.445	0.5000	0	88.9	85	115	08/18/2023
Potassium		0.100		2.42	2.500	0	96.8	85	115	08/18/2023
Selenium		0.0400		0.448	0.5000	0	89.7	85	115	08/18/2023
Silicon	*	0.0500		0.472	0.5000	0	94.5	85	115	08/22/2023
Silicon	*	0.0500		0.460	0.5000	0	91.9	85	115	08/21/2023
Sodium		0.0500		2.26	2.500	0	90.4	85	115	08/18/2023
Vanadium		0.0100		0.447	0.5000	0	89.4	85	115	08/18/2023
Zinc		0.0100		0.449	0.5000	0	89.9	85	115	08/18/2023

Batch 211033 SampType: MS Units mg/L  
SampID: 23070389-117DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	480	2.500	491.9	-484.4	75	125	08/18/2023
Magnesium		0.0500	S	443	2.500	447.9	-206.9	75	125	08/18/2023
Potassium		0.100		9.26	2.500	6.709	102.1	75	125	08/18/2023
Silicon	*	0.0500	S	8.12	0.5000	7.889	46.2	75	125	08/18/2023
Sodium		0.0500	S	394	2.500	398.1	-169.2	75	125	08/18/2023

Batch 211033 SampType: MSD Units mg/L  
SampID: 23070389-117DMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	469	2.500	491.9	-919.2	479.8	2.29	08/18/2023
Magnesium		0.0500	S	427	2.500	447.9	-852.3	442.7	3.71	08/18/2023
Potassium		0.100		8.97	2.500	6.709	90.3	9.261	3.24	08/18/2023
Silicon	*	0.0500	S	7.92	0.5000	7.889	5.3	8.120	2.55	08/18/2023
Sodium		0.0500	S	382	2.500	398.1	-624.0	393.8	2.93	08/18/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 209945		SampType: MBLK		Units mg/L						
SampID: MBLK-209945										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	07/26/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	07/26/2023
Magnesium		0.0500		< 0.0500	0.0060	0	0	-100	100	07/26/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	07/26/2023
Silicon	*	0.0500	JS	0.031	0.0122	0	253.3	-100	100	07/26/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	07/26/2023

Batch 209945		SampType: LCS		Units mg/L						
SampID: LCS-209945										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.70	2.500	0	108.0	85	115	07/26/2023
Iron		0.0400		1.98	2.000	0	99.2	85	115	07/26/2023
Magnesium		0.0500		2.39	2.500	0	95.5	85	115	07/26/2023
Potassium		0.100		2.71	2.500	0	108.2	85	115	07/26/2023
Silicon	*	0.0500	B	0.500	0.5000	0	99.9	85	115	07/26/2023
Sodium		0.0500		2.51	2.500	0	100.6	85	115	07/26/2023

Batch 209945		SampType: MS		Units mg/L						
SampID: 23070389-103CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	29.2	2.500	27.59	64.8	75	125	07/26/2023
Magnesium		0.0500		2.46	2.500	0.2025	90.3	75	125	07/26/2023
Potassium		1.00	S	19.7	2.500	16.38	134.0	75	125	07/28/2023
Silicon	*	0.0500	B	4.30	0.5000	3.899	80.4	75	125	07/26/2023
Sodium		0.0500	S	69.2	2.500	69.09	5.6	75	125	07/26/2023

Batch 209945		SampType: MSD		Units mg/L						
SampID: 23070389-103CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	28.8	2.500	27.59	49.6	29.21	1.31	07/26/2023
Magnesium		0.0500		2.43	2.500	0.2025	89.0	2.460	1.29	07/26/2023
Potassium		1.00	S	20.4	2.500	16.38	162.2	19.73	3.51	07/28/2023
Silicon	*	0.0500	BS	4.24	0.5000	3.899	67.7	4.301	1.49	07/26/2023
Sodium		0.0500	S	68.8	2.500	69.09	-10.8	69.23	0.59	07/26/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210094		SampType: MBLK		Units mg/L							Date
SampID: MBLK-210094											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/01/2023	
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/01/2023	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/01/2023	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/11/2023	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/01/2023	
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/01/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/01/2023	
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/01/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/01/2023	
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	08/01/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/01/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/01/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/01/2023	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/01/2023	
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/04/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/01/2023	

Batch 210094		SampType: LCS		Units mg/L							Date
SampID: LCS-210094											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		0.0250		1.95	2.000	0	97.6	85	115	08/01/2023	
Antimony		0.0500		0.504	0.5000	0	100.7	85	115	08/01/2023	
Arsenic		0.0250		0.513	0.5000	0	102.5	85	115	08/01/2023	
Boron		0.0200		0.493	0.5000	0	98.5	85	115	08/01/2023	
Boron		0.0200		0.510	0.5000	0	101.9	85	115	08/11/2023	
Cadmium		0.0020		0.0512	0.0500	0	102.4	85	115	08/01/2023	
Calcium		0.100		2.56	2.500	0	102.2	85	115	08/01/2023	
Chromium		0.0050		0.198	0.2000	0	98.8	85	115	08/01/2023	
Iron		0.0400		1.97	2.000	0	98.7	85	115	08/01/2023	
Lead		0.0150		0.498	0.5000	0	99.6	85	115	08/01/2023	
Magnesium		0.0500		2.34	2.500	0	93.8	85	115	08/01/2023	
Manganese		0.0070		0.491	0.5000	0	98.3	85	115	08/01/2023	
Potassium		0.100		2.68	2.500	0	107.1	85	115	08/01/2023	
Selenium		0.0400		0.482	0.5000	0	96.4	85	115	08/01/2023	
Silicon	*	0.0500		0.439	0.5000	0	87.8	85	115	08/04/2023	
Sodium		0.0500		2.53	2.500	0	101.2	85	115	08/01/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210094		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-010CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		57.8	5.000	53.71	82.2	75	125	08/01/2023	
Magnesium		0.0500		29.0	5.000	24.74	85.9	75	125	08/01/2023	
Potassium		0.100		6.48	5.000	1.420	101.1	75	125	08/01/2023	
Silicon	*	0.0500	S	6.81	1.000	7.807	-100.2	75	125	08/04/2023	
Sodium		0.0500	S	119	5.000	115.0	72.8	75	125	08/01/2023	

Batch 210094		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-010CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	57.2	5.000	53.71	70.2	57.82	1.04	08/01/2023		
Magnesium		0.0500		28.7	5.000	24.74	80.2	29.03	0.98	08/01/2023		
Potassium		0.100		6.38	5.000	1.420	99.1	6.475	1.56	08/01/2023		
Silicon	*	0.0500	S	6.76	1.000	7.807	-104.6	6.805	0.65	08/04/2023		
Sodium		0.0500	S	117	5.000	115.0	44.2	118.6	1.21	08/01/2023		

Batch 210094		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-064CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	177	5.000	175.3	39.2	75	125	08/01/2023	
Magnesium		0.0500		68.4	5.000	63.84	91.1	75	125	08/01/2023	
Potassium		0.200		11.9	5.000	7.082	95.5	75	125	08/04/2023	
Sodium		0.0500	S	101	5.000	97.49	69.6	75	125	08/01/2023	

Batch 210094		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-064CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	175	5.000	175.3	-1.4	177.3	1.15	08/01/2023		
Magnesium		0.0500	S	67.1	5.000	63.84	66.0	68.40	1.85	08/01/2023		
Potassium		0.200		12.1	5.000	7.082	101.0	11.86	2.33	08/04/2023		
Sodium		0.0500		102	5.000	97.49	88.6	101.0	0.94	08/01/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210149		SampType: MBLK		Units mg/L							
SampID: MBLK-210149											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/03/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/03/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/03/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/03/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/03/2023	

Batch 210149		SampType: LCS		Units mg/L							
SampID: LCS-210149											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.57	2.500	0	102.6	85	115	08/03/2023	
Iron		0.0400		1.96	2.000	0	98.0	85	115	08/03/2023	
Magnesium		0.0500		2.33	2.500	0	93.4	85	115	08/03/2023	
Potassium		0.100		2.58	2.500	0	103.3	85	115	08/03/2023	
Sodium		0.0500		2.47	2.500	0	98.8	85	115	08/03/2023	

Batch 210149		SampType: MS		Units mg/L							
SampID: 23070389-068BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		5.00	S	1140	2.500	1159	-720.0	75	125	08/07/2023	
Magnesium		2.50		11.2	2.500	8.715	99.2	75	125	08/07/2023	
Potassium		50.0	S	1950	2.500	1943	182.0	75	125	08/08/2023	
Sodium		5.00	S	15300	2.500	14890	15440	75	125	08/07/2023	

Batch 210149		SampType: MSD		Units mg/L						RPD Limit 20		Date Analyzed
SampID: 23070389-068BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		5.00	S	1150	2.500	1159	-400.0	1141	0.70	08/07/2023		
Magnesium		2.50		11.1	2.500	8.715	94.6	11.20	1.03	08/07/2023		
Potassium		50.0	S	1970	2.500	1943	932.0	1948	0.96	08/08/2023		
Sodium		5.00	S	15200	2.500	14890	12080	15280	0.55	08/07/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210259 SampType: MBLK Units mg/L

SampID: MBLK-210259

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/02/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/02/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/02/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/02/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/02/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/02/2023
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/02/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/02/2023

Batch 210259 SampType: LCS Units mg/L

SampID: LCS-210259

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.94	2.000	0	96.8	85	115	08/02/2023
Calcium		0.100		2.60	2.500	0	104.2	85	115	08/02/2023
Iron		0.0400		2.14	2.000	0	107.0	85	115	08/02/2023
Magnesium		0.0500		2.44	2.500	0	97.5	85	115	08/02/2023
Manganese		0.0070		0.515	0.5000	0	103.0	85	115	08/02/2023
Potassium		0.100		2.60	2.500	0	103.8	85	115	08/02/2023
Silicon	*	0.0500		0.438	0.5000	0	87.5	85	115	08/02/2023
Sodium		0.0500		2.46	2.500	0	98.4	85	115	08/02/2023

Batch 210259 SampType: MS Units mg/L

SampID: 23070389-014CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		144	5.000	139.8	92.2	75	125	08/02/2023
Magnesium		0.0500		72.5	5.000	67.27	104.4	75	125	08/02/2023
Potassium		0.100		6.48	5.000	1.499	99.5	75	125	08/02/2023
Silicon	*	0.0500		8.61	1.000	7.669	94.2	75	125	08/02/2023
Sodium		0.0500	S	118	5.000	111.9	129.8	75	125	08/02/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210259		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 23070389-014CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>146</b>	5.000	139.8	126.8	144.4	1.19	08/02/2023	
Magnesium		0.0500	S	<b>73.7</b>	5.000	67.27	128.3	72.49	1.64	08/02/2023	
Potassium		0.100		<b>6.52</b>	5.000	1.499	100.4	6.475	0.69	08/02/2023	
Silicon	*	0.0500		<b>8.90</b>	1.000	7.669	122.9	8.610	3.28	08/02/2023	
Sodium		0.0500	S	<b>121</b>	5.000	111.9	181.4	118.4	2.16	08/02/2023	

Batch 210307		SampType: MBLK		Units mg/L							
SampID: MBLK-210307											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< <b>0.0250</b>	0.0127	0	0	-100	100	08/04/2023	
Antimony		0.0500		< <b>0.0500</b>	0.0068	0	0	-100	100	08/04/2023	
Arsenic		0.0250		< <b>0.0250</b>	0.0087	0	0	-100	100	08/04/2023	
Barium		0.0025		< <b>0.0025</b>	0.0007	0	0	-100	100	08/04/2023	
Beryllium		0.0005		< <b>0.0005</b>	0.0002	0	0	-100	100	08/04/2023	
Boron		0.0200		< <b>0.0200</b>	0.0090	0	0	-100	100	08/04/2023	
Cadmium		0.0020	J	<b>0.0005</b>	0.0005	0	100.0	-100	100	08/04/2023	
Calcium		0.100		< <b>0.100</b>	0.0350	0	0	-100	100	08/04/2023	
Chromium		0.0050		< <b>0.0050</b>	0.0028	0	0	-100	100	08/04/2023	
Cobalt		0.0050		< <b>0.0050</b>	0.0020	0	0	-100	100	08/04/2023	
Iron		0.0400		< <b>0.0400</b>	0.0200	0	0	-100	100	08/04/2023	
Lead		0.0150		< <b>0.0150</b>	0.0014	0	0	-100	100	08/04/2023	
Magnesium		0.0500		< <b>0.0500</b>	0.0055	0	0	-100	100	08/04/2023	
Manganese		0.0070		< <b>0.0070</b>	0.0025	0	0	-100	100	08/04/2023	
Molybdenum		0.0100		< <b>0.0100</b>	0.0037	0	0	-100	100	08/04/2023	
Potassium		0.100		< <b>0.100</b>	0.0400	0	0	-100	100	08/04/2023	
Selenium		0.0400		< <b>0.0400</b>	0.0170	0	0	-100	100	08/04/2023	
Silicon	*	0.0500		< <b>0.0500</b>	0.0122	0	0	-100	100	08/04/2023	
Sodium		0.0500		< <b>0.0500</b>	0.0180	0	0	-100	100	08/04/2023	
Thallium		0.0500		< <b>0.0500</b>	0.0111	0	0	-100	100	08/04/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210307 SampType: LCS Units mg/L

SampID: LCS-210307

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.78</b>	2.000	0	88.9	85	115	08/04/2023
Antimony		0.0500		<b>0.477</b>	0.5000	0	95.4	85	115	08/04/2023
Arsenic		0.0250		<b>0.488</b>	0.5000	0	97.5	85	115	08/04/2023
Barium		0.0025		<b>1.87</b>	2.000	0	93.7	85	115	08/04/2023
Beryllium		0.0005		<b>0.0467</b>	0.0500	0	93.4	85	115	08/04/2023
Boron		0.0200		<b>0.467</b>	0.5000	0	93.4	85	115	08/04/2023
Cadmium		0.0020		<b>0.0471</b>	0.0500	0	94.2	85	115	08/04/2023
Calcium		0.100		<b>2.46</b>	2.500	0	98.2	85	115	08/04/2023
Chromium		0.0050		<b>0.184</b>	0.2000	0	92.2	85	115	08/04/2023
Cobalt		0.0050		<b>0.470</b>	0.5000	0	94.0	85	115	08/04/2023
Iron		0.0400		<b>1.85</b>	2.000	0	92.3	85	115	08/04/2023
Lead		0.0150		<b>0.471</b>	0.5000	0	94.1	85	115	08/04/2023
Magnesium		0.0500		<b>2.33</b>	2.500	0	93.4	85	115	08/04/2023
Manganese		0.0070		<b>0.461</b>	0.5000	0	92.2	85	115	08/04/2023
Molybdenum		0.0100		<b>0.456</b>	0.5000	0	91.3	85	115	08/04/2023
Potassium		0.100		<b>2.52</b>	2.500	0	100.9	85	115	08/04/2023
Selenium		0.0400		<b>0.467</b>	0.5000	0	93.5	85	115	08/04/2023
Silicon	*	0.0500		<b>0.471</b>	0.5000	0	94.3	85	115	08/04/2023
Sodium		0.0500		<b>2.32</b>	2.500	0	92.7	85	115	08/04/2023
Thallium		0.0500		<b>0.242</b>	0.2500	0	96.8	85	115	08/04/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210307		SampType: LCSD		Units mg/L				RPD Limit 20			Date
SampID: LCSD-210307											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		1.81	2.000	0	90.7	1.779	2.01	08/04/2023	
Antimony		0.0500		0.483	0.5000	0	96.6	0.4769	1.27	08/04/2023	
Arsenic		0.0250		0.506	0.5000	0	101.2	0.4875	3.70	08/04/2023	
Barium		0.0025		1.91	2.000	0	95.6	1.875	1.91	08/04/2023	
Beryllium		0.0005		0.0476	0.0500	0	95.2	0.04670	1.91	08/04/2023	
Boron		0.0200		0.478	0.5000	0	95.5	0.4669	2.29	08/04/2023	
Cadmium		0.0020		0.0484	0.0500	0	96.8	0.04710	2.72	08/04/2023	
Calcium		0.100		2.47	2.500	0	98.9	2.455	0.67	08/04/2023	
Chromium		0.0050		0.188	0.2000	0	94.1	0.1844	1.99	08/04/2023	
Cobalt		0.0050		0.481	0.5000	0	96.2	0.4701	2.29	08/04/2023	
Iron		0.0400		1.90	2.000	0	94.9	1.845	2.81	08/04/2023	
Lead		0.0150		0.482	0.5000	0	96.3	0.4706	2.33	08/04/2023	
Magnesium		0.0500		2.39	2.500	0	95.6	2.335	2.34	08/04/2023	
Manganese		0.0070		0.470	0.5000	0	94.1	0.4610	2.04	08/04/2023	
Molybdenum		0.0100		0.466	0.5000	0	93.2	0.4563	2.08	08/04/2023	
Potassium		0.100		2.56	2.500	0	102.3	2.523	1.38	08/04/2023	
Selenium		0.0400		0.476	0.5000	0	95.1	0.4673	1.74	08/04/2023	
Silicon	*	0.0500		0.479	0.5000	0	95.8	0.4714	1.58	08/04/2023	
Sodium		0.0500		2.35	2.500	0	93.9	2.317	1.35	08/04/2023	
Thallium		0.0500		0.244	0.2500	0	97.8	0.2419	1.07	08/04/2023	

Batch 210307		SampType: MS		Units mg/L				RPD Limit 20			Date
SampID: 23070389-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	114	5.000	26.12	1766	75	125	08/04/2023	
Potassium		0.100	S	8.29	5.000	0.8466	149.0	75	125	08/07/2023	
Sodium		0.0500	S	197	5.000	45.61	3019	75	125	08/04/2023	

Batch 210307		SampType: MSD		Units mg/L				RPD Limit 20			Date
SampID: 23070389-025BMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	119	5.000	26.12	1860	114.4	4.02	08/04/2023	
Potassium		0.100	S	8.46	5.000	0.8466	152.3	8.294	1.99	08/07/2023	
Sodium		0.0500	S	205	5.000	45.61	3186	196.6	4.14	08/04/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210483		SampType: MBLK		Units mg/L							Date
SampID: MBLK-210483											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/08/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/08/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/08/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/08/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/08/2023	
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/08/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/08/2023	
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/08/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/08/2023	

Batch 210483		SampType: LCS		Units mg/L							Date
SampID: LCS-210483											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Boron		0.0200		0.484	0.5000	0	96.7	85	115	08/08/2023	
Calcium		0.100		2.51	2.500	0	100.5	85	115	08/08/2023	
Iron		0.0400		1.94	2.000	0	97.1	85	115	08/08/2023	
Magnesium		0.0500		2.33	2.500	0	93.1	85	115	08/08/2023	
Manganese		0.0070		0.480	0.5000	0	96.1	85	115	08/08/2023	
Molybdenum		0.0100		0.475	0.5000	0	95.0	85	115	08/08/2023	
Potassium		0.100		2.60	2.500	0	104.2	85	115	08/08/2023	
Silicon	*	0.0500		0.505	0.5000	0	101.0	85	115	08/08/2023	
Sodium		0.0500		2.43	2.500	0	97.2	85	115	08/08/2023	

Batch 210483		SampType: LCSD		Units mg/L							RPD Limit 20
SampID: LCSD-210483											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Boron		0.0200		0.495	0.5000	0	98.9	0.4836	2.27	08/08/2023	
Calcium		0.100		2.57	2.500	0	103.0	2.512	2.46	08/08/2023	
Iron		0.0400		1.97	2.000	0	98.4	1.942	1.27	08/08/2023	
Magnesium		0.0500		2.35	2.500	0	94.1	2.328	1.06	08/08/2023	
Manganese		0.0070		0.490	0.5000	0	98.1	0.4804	2.04	08/08/2023	
Molybdenum		0.0100		0.480	0.5000	0	96.1	0.4748	1.15	08/08/2023	
Potassium		0.100		2.64	2.500	0	105.6	2.604	1.31	08/08/2023	
Silicon	*	0.0500		0.511	0.5000	0	102.2	0.5048	1.18	08/08/2023	
Sodium		0.0500		2.47	2.500	0	98.7	2.430	1.57	08/08/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210625		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210625											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/14/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/10/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/10/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/10/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/10/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/10/2023	
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/14/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/10/2023	

Batch 210625		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210625											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.45	2.500	0	98.2	85	115	08/10/2023	
Calcium		0.100		2.53	2.500	0	101.1	85	115	08/14/2023	
Iron		0.0400		1.93	2.000	0	96.7	85	115	08/10/2023	
Magnesium		0.0500		2.30	2.500	0	92.2	85	115	08/10/2023	
Manganese		0.0070		0.465	0.5000	0	92.9	85	115	08/10/2023	
Potassium		0.100		2.54	2.500	0	101.7	85	115	08/10/2023	
Silicon	*	0.0500		0.528	0.5000	0	105.5	85	115	08/14/2023	
Sodium		0.0500		2.37	2.500	0	94.8	85	115	08/10/2023	

Batch 210625		SampType: LCSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: LCSD-210625										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		2.45	2.500	0	98.0	2.454	0.20	08/10/2023
Calcium		0.100		2.47	2.500	0	98.6	2.528	2.48	08/14/2023
Iron		0.0400		1.90	2.000	0	95.1	1.934	1.63	08/10/2023
Magnesium		0.0500		2.29	2.500	0	91.7	2.304	0.53	08/10/2023
Manganese		0.0070		0.460	0.5000	0	92.0	0.4646	1.04	08/10/2023
Potassium		0.100		2.52	2.500	0	101.0	2.542	0.73	08/10/2023
Silicon	*	0.0500		0.511	0.5000	0	102.3	0.5275	3.12	08/14/2023
Sodium		0.0500		2.35	2.500	0	93.9	2.371	0.99	08/10/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211012		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-211012											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	08/18/2023	
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/18/2023	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/18/2023	
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/18/2023	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/18/2023	
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/18/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/18/2023	
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/18/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/18/2023	
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	08/18/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/18/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/18/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/18/2023	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/18/2023	
Silicon	*	0.0500		< 0.0500	0.0122	0	0	-100	100	08/18/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/18/2023	

Batch 211012		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-211012											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		1.94	2.000	0	97.2	85	115	08/18/2023	
Antimony		0.0500		0.514	0.5000	0	102.8	85	115	08/18/2023	
Arsenic		0.0250		0.538	0.5000	0	107.5	85	115	08/18/2023	
Barium		0.0025		2.03	2.000	0	101.5	85	115	08/18/2023	
Boron		0.0200		0.503	0.5000	0	100.5	85	115	08/18/2023	
Cadmium		0.0020		0.0504	0.0500	0	100.8	85	115	08/18/2023	
Calcium		0.100		2.62	2.500	0	105.0	85	115	08/18/2023	
Chromium		0.0050		0.202	0.2000	0	100.8	85	115	08/18/2023	
Iron		0.0400		2.07	2.000	0	103.5	85	115	08/18/2023	
Lead		0.0150		0.513	0.5000	0	102.6	85	115	08/18/2023	
Magnesium		0.0500		2.47	2.500	0	98.9	85	115	08/18/2023	
Manganese		0.0070		0.505	0.5000	0	101.0	85	115	08/18/2023	
Potassium		0.100		2.64	2.500	0	105.4	85	115	08/18/2023	
Selenium		0.0400		0.518	0.5000	0	103.5	85	115	08/18/2023	
Silicon	*	0.0500		0.454	0.5000	0	90.8	85	115	08/18/2023	
Sodium		0.0500		2.53	2.500	0	101.0	85	115	08/18/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211012		SampType: MS		Units mg/L						
SampID: 23070389-114CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		<b>125</b>	2.500	122.4	111.6	75	125	08/18/2023
Magnesium		0.0500		<b>47.0</b>	2.500	44.62	94.6	75	125	08/18/2023
Potassium		0.100		<b>5.78</b>	2.500	3.161	104.8	75	125	08/18/2023
Sodium		0.0500		<b>90.1</b>	2.500	87.99	85.2	75	125	08/18/2023

Batch 211012		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 23070389-114CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	<b>127</b>	2.500	122.4	174.8	125.2	1.25	08/18/2023	
Magnesium		0.0500		<b>47.7</b>	2.500	44.62	121.8	46.98	1.44	08/18/2023	
Potassium		0.100		<b>5.70</b>	2.500	3.161	101.7	5.780	1.35	08/18/2023	
Sodium		0.0500		<b>90.2</b>	2.500	87.99	88.0	90.12	0.08	08/18/2023	

Batch 211034		SampType: MBLK		Units mg/L						
SampID: MBLK-211034										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>&lt; 0.0250</b>	0.0127	0	0	-100	100	08/21/2023
Calcium		0.100	JS	<b>0.051</b>	0.0350	0	146.6	-100	100	08/21/2023
Iron		0.0400		<b>&lt; 0.0400</b>	0.0200	0	0	-100	100	08/21/2023
Magnesium		0.0500		<b>&lt; 0.0500</b>	0.0055	0	0	-100	100	08/21/2023
Manganese		0.0070		<b>&lt; 0.0070</b>	0.0025	0	0	-100	100	08/21/2023
Potassium		0.100		<b>&lt; 0.100</b>	0.0400	0	0	-100	100	08/21/2023
Silicon	*	0.0500	JS	<b>0.030</b>	0.0122	0	246.7	-100	100	08/23/2023
Sodium		0.0500		<b>&lt; 0.0500</b>	0.0180	0	0	-100	100	08/21/2023

Batch 211034		SampType: LCS		Units mg/L						
SampID: LCS-211034										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.03</b>	2.000	0	101.5	85	115	08/21/2023
Calcium		0.100	B	<b>2.76</b>	2.500	0	110.2	85	115	08/21/2023
Iron		0.0400		<b>2.11</b>	2.000	0	105.5	85	115	08/21/2023
Magnesium		0.0500		<b>2.49</b>	2.500	0	99.7	85	115	08/21/2023
Manganese		0.0070		<b>0.520</b>	0.5000	0	104.1	85	115	08/21/2023
Potassium		0.100		<b>2.75</b>	2.500	0	109.9	85	115	08/21/2023
Silicon	*	0.0500	B	<b>0.542</b>	0.5000	0	108.4	85	115	08/23/2023
Sodium		0.0500		<b>2.58</b>	2.500	0	103.0	85	115	08/21/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211213		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-211213											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/23/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/23/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/23/2023	
Potassium		0.100	JS	0.044	0.0400	0	109.8	-100	100	08/23/2023	
Silicon	*	0.0500	JS	0.038	0.0122	0	309.0	-100	100	08/23/2023	
Sodium		0.0500	JS	0.045	0.0180	0	251.1	-100	100	08/23/2023	

Batch 211213		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-211213											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.76	2.500	0	110.4	85	115	08/23/2023	
Iron		0.0400		2.12	2.000	0	106.0	85	115	08/23/2023	
Magnesium		0.0500		2.50	2.500	0	100.0	85	115	08/23/2023	
Potassium		0.100	B	2.70	2.500	0	107.9	85	115	08/23/2023	
Silicon	*	0.0500	B	0.537	0.5000	0	107.4	85	115	08/23/2023	
Sodium		0.0500	B	2.58	2.500	0	103.1	85	115	08/23/2023	

Batch 211213		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-116CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	492	5.000	475.1	337.0	75	125	08/23/2023	
Magnesium		0.0500	S	449	5.000	429.2	403.1	75	125	08/23/2023	
Potassium		0.100	E	11.8	5.000	6.434	106.9	75	125	08/23/2023	
Silicon	*	0.0500	BS	10.3	1.000	8.979	133.3	75	125	08/23/2023	
Sodium		0.0500	BS	408	5.000	393.8	284.0	75	125	08/23/2023	

Batch 211213		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-116CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	490	5.000	475.1	302.2	492.0	0.35	08/23/2023		
Magnesium		0.0500	S	446	5.000	429.2	338.6	449.3	0.72	08/23/2023		
Potassium		0.100	E	11.7	5.000	6.434	104.5	11.78	1.04	08/23/2023		
Silicon	*	0.0500	BS	10.4	1.000	8.979	141.8	10.31	0.82	08/23/2023		
Sodium		0.0500	BS	404	5.000	393.8	206.2	408.0	0.96	08/23/2023		





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 212096		SampType: MBLK		Units mg/L							
SampID: MBLK-212096											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	09/19/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	09/19/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	09/19/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	09/19/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	09/19/2023	

Batch 212096		SampType: LCS		Units mg/L							
SampID: LCS-212096											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.54	2.500	0	101.7	85	115	09/19/2023	
Iron		0.0400		1.98	2.000	0	99.2	85	115	09/19/2023	
Magnesium		0.0500		2.38	2.500	0	95.2	85	115	09/19/2023	
Potassium		0.100		2.58	2.500	0	103.3	85	115	09/19/2023	
Sodium		0.0500		2.40	2.500	0	96.0	85	115	09/19/2023	

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

Batch 210037		SampType: MBLK		Units mg/L							
SampID: MBLK-210037											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/16/2023	
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	07/29/2023	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	07/29/2023	
Boron		0.0250	JS	0.024	0.0093	0	254.0	-100	100	07/29/2023	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	07/29/2023	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	07/29/2023	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/16/2023	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	07/29/2023	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/16/2023	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	07/29/2023	
Vanadium		0.0050		< 0.0050	0.0028	0	0	-100	100	07/29/2023	
Zinc		0.0132		< 0.0132	0.0059	0	0	-100	100	09/16/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210037 SampType: LCS Units mg/L

SampID: LCS-210037

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.99	2.000	0	99.5	80	120	09/16/2023
Aluminum		0.0250	B	1.97	2.000	0	98.6	80	120	07/31/2023
Antimony		0.0010		0.476	0.5000	0	95.2	80	120	07/29/2023
Arsenic		0.0010		0.513	0.5000	0	102.5	80	120	07/29/2023
Boron		0.0250	B	0.478	0.5000	0	95.7	80	120	07/29/2023
Cadmium		0.0010		0.0477	0.0500	0	95.5	80	120	07/29/2023
Chromium		0.0015		0.187	0.2000	0	93.6	80	120	07/29/2023
Iron		0.0250		1.76	2.000	0	88.0	80	120	07/31/2023
Iron		0.0250		1.96	2.000	0	97.8	80	120	09/16/2023
Lead		0.0010		0.481	0.5000	0	96.2	80	120	07/29/2023
Manganese		0.0020		0.451	0.5000	0	90.3	80	120	07/31/2023
Manganese		0.0020		0.502	0.5000	0	100.3	80	120	09/16/2023
Selenium		0.0010		0.485	0.5000	0	97.0	80	120	07/31/2023
Vanadium		0.0050		0.461	0.5000	0	92.3	80	120	07/29/2023
Zinc		0.0132	B	0.408	0.5000	0	81.5	80	120	07/31/2023
Zinc		0.0132		0.414	0.5000	0	82.7	80	120	09/16/2023

Batch 210037 SampType: MS Units mg/L

SampID: 23070389-009DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.88	2.000	0.01332	93.4	75	125	09/16/2023
Iron		0.0250		1.90	2.000	0.05624	92.3	75	125	09/16/2023
Manganese		0.0020		0.889	0.5000	0.4182	94.2	75	125	09/16/2023

Batch 210037 SampType: MSD Units mg/L

SampID: 23070389-009DMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		1.88	2.000	0.01332	93.3	1.882	0.09	09/16/2023
Iron		0.0250		1.89	2.000	0.05624	91.7	1.902	0.63	09/16/2023
Manganese		0.0020		0.884	0.5000	0.4182	93.1	0.8891	0.60	09/16/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210142 SampType: MBLK Units mg/L

SampID: MBLK-210142

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/18/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	08/03/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/18/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/18/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/16/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/18/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/18/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/16/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/18/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/03/2023
Vanadium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/03/2023
Zinc		0.0132		< 0.0132	0.0059	0	0	-100	100	09/16/2023

Batch 210142 SampType: LCS Units mg/L

SampID: LCS-210142

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.00	2.000	0	99.8	80	120	09/18/2023
Antimony		0.0010		0.433	0.5000	0	86.6	80	120	08/03/2023
Arsenic		0.0010		0.484	0.5000	0	96.8	80	120	09/18/2023
Boron		0.0250		0.470	0.5000	0	94.0	80	120	09/18/2023
Cadmium		0.0010		0.0455	0.0500	0	90.9	80	120	09/16/2023
Chromium		0.0015		0.194	0.2000	0	97.2	80	120	09/18/2023
Iron		0.0250		1.94	2.000	0	97.1	80	120	09/18/2023
Lead		0.0010		0.488	0.5000	0	97.6	80	120	09/16/2023
Manganese		0.0020		0.492	0.5000	0	98.4	80	120	09/18/2023
Selenium		0.0010		0.447	0.5000	0	89.5	80	120	08/03/2023
Vanadium		0.0050		0.429	0.5000	0	85.8	80	120	08/03/2023
Zinc		0.0132		0.410	0.5000	0	82.0	80	120	09/16/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210142		SampType: MS		Units mg/L							Date
SampID: 23070389-043CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Arsenic		0.0010		<b>0.532</b>	0.5000	0.001317	106.2	75	125		09/18/2023
Boron		0.0250	S	<b>0.870</b>	0.5000	0.1308	147.9	75	125		09/18/2023
Cadmium		0.0010		<b>0.0445</b>	0.0500	0	89.0	75	125		09/16/2023
Chromium		0.0015		<b>0.215</b>	0.2000	0.001789	106.5	75	125		09/18/2023
Iron		0.0250	S	<b>1.96</b>	2.000	0.7345	61.5	75	125		09/18/2023
Lead		0.0010		<b>0.498</b>	0.5000	0	99.6	75	125		09/16/2023
Manganese		0.0080	S	<b>1.80</b>	0.5000	2.459	-131.8	75	125		09/18/2023
Selenium		0.0010		<b>0.461</b>	0.5000	0	92.2	75	125		08/03/2023
Zinc		0.0132		<b>0.386</b>	0.5000	0	77.2	75	125		09/16/2023

Batch 210142		SampType: MSD		Units mg/L		RPD Limit 20					Date
SampID: 23070389-043CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Date Analyzed
Arsenic		0.0010		<b>0.491</b>	0.5000	0.001317	97.9	0.5323	8.12		09/18/2023
Boron		0.0250	S	<b>0.855</b>	0.5000	0.1308	144.8	0.8704	1.80		09/18/2023
Cadmium		0.0010		<b>0.0447</b>	0.0500	0	89.4	0.04451	0.46		09/16/2023
Chromium		0.0015		<b>0.186</b>	0.2000	0.001789	92.2	0.2149	14.32		09/18/2023
Iron		0.0250	S	<b>1.88</b>	2.000	0.7345	57.5	1.964	4.15		09/18/2023
Lead		0.0010		<b>0.505</b>	0.5000	0	100.9	0.4981	1.31		09/16/2023
Manganese		0.0080	S	<b>1.83</b>	0.5000	2.459	-125.5	1.800	1.73		09/18/2023
Selenium		0.0010		<b>0.467</b>	0.5000	0	93.3	0.4611	1.21		08/03/2023
Zinc		0.0132		<b>0.392</b>	0.5000	0	78.4	0.3861	1.51		09/16/2023

Batch 210298		SampType: MBLK		Units mg/L							Date
SampID: MBLK-210298											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Aluminum		0.0250		<b>&lt; 0.0250</b>	0.0125	0	0	-100	100		09/16/2023
Arsenic		0.0010		<b>&lt; 0.0010</b>	0.0004	0	0	-100	100		09/16/2023
Boron		0.0250		<b>&lt; 0.0250</b>	0.0093	0	0	-100	100		09/16/2023
Cadmium		0.0010		<b>&lt; 0.0010</b>	0.0001	0	0	-100	100		09/16/2023
Chromium		0.0015		<b>&lt; 0.0015</b>	0.0007	0	0	-100	100		09/16/2023
Iron		0.0250		<b>&lt; 0.0250</b>	0.0115	0	0	-100	100		09/16/2023
Lead		0.0010		<b>&lt; 0.0010</b>	0.0006	0	0	-100	100		09/16/2023
Manganese		0.0020		<b>&lt; 0.0020</b>	0.0008	0	0	-100	100		09/16/2023
Selenium		0.0010		<b>&lt; 0.0010</b>	0.0006	0	0	-100	100		08/04/2023
Zinc		0.0132		<b>&lt; 0.0132</b>	0.0059	0	0	-100	100		09/16/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210298		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210298											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		1.86	2.000	0	92.8	80	120	09/16/2023	
Arsenic		0.0010		0.478	0.5000	0	95.5	80	120	09/16/2023	
Boron		0.0250		0.413	0.5000	0	82.5	80	120	09/16/2023	
Cadmium		0.0010		0.0431	0.0500	0	86.3	80	120	09/16/2023	
Chromium		0.0015		0.182	0.2000	0	90.8	80	120	09/16/2023	
Iron		0.0250		1.82	2.000	0	91.0	80	120	09/16/2023	
Lead		0.0010		0.460	0.5000	0	92.1	80	120	09/16/2023	
Manganese		0.0020		0.471	0.5000	0	94.2	80	120	09/16/2023	
Selenium		0.0010		0.410	0.5000	0	82.1	80	120	08/04/2023	
Zinc		0.0132		0.547	0.5000	0	109.4	80	120	09/19/2023	

Batch 210298		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-048CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0010		0.510	0.5000	0.0005942	102.0	75	125	09/16/2023	
Boron		0.0250	S	0.504	0.5000	0.5350	-6.1	75	125	09/18/2023	
Cadmium		0.0010		0.0441	0.0500	0	88.1	75	125	09/16/2023	
Chromium		0.0015		0.181	0.2000	0.0007327	90.2	75	125	09/16/2023	
Iron		0.0250		1.86	2.000	0.04155	91.0	75	125	09/16/2023	
Lead		0.0010		0.510	0.5000	0	102.1	75	125	09/16/2023	
Manganese		0.0080		2.09	0.5000	1.617	94.3	75	125	09/18/2023	
Selenium		0.0010		0.439	0.5000	0	87.8	75	125	08/04/2023	
Zinc		0.0132		0.419	0.5000	0	83.8	75	125	09/19/2023	

Batch 210298		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-048CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Arsenic		0.0010		0.498	0.5000	0.0005942	99.6	0.5105	2.38	09/16/2023		
Boron		0.0250	S	0.509	0.5000	0.5350	-5.2	0.5043	0.90	09/18/2023		
Cadmium		0.0010		0.0411	0.0500	0	82.2	0.04406	6.96	09/16/2023		
Chromium		0.0015		0.178	0.2000	0.0007327	88.7	0.1811	1.65	09/16/2023		
Iron		0.0250		1.78	2.000	0.04155	87.1	1.861	4.30	09/16/2023		
Lead		0.0010		0.491	0.5000	0	98.1	0.5104	3.95	09/16/2023		
Manganese		0.0080		2.15	0.5000	1.617	106.3	2.088	2.82	09/18/2023		
Selenium		0.0010		0.436	0.5000	0	87.2	0.4390	0.72	08/04/2023		
Zinc		0.0132		0.401	0.5000	0	80.1	0.4188	4.40	09/19/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210567 SampType: MBLK Units mg/L

SampID: MBLK-210567

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	08/11/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/10/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/10/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/10/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/10/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/11/2023
Vanadium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/11/2023
Zinc		0.0132		< 0.0132	0.0059	0	0	-100	100	09/10/2023

Batch 210567 SampType: LCS Units mg/L

SampID: LCS-210567

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.02	2.000	0	100.8	80	120	09/11/2023
Antimony		0.0010		0.462	0.5000	0	92.3	80	120	08/11/2023
Arsenic		0.0010		0.506	0.5000	0	101.2	80	120	09/11/2023
Boron		0.0250		0.470	0.5000	0	94.0	80	120	09/11/2023
Cadmium		0.0010		0.0480	0.0500	0	96.0	80	120	09/11/2023
Chromium		0.0015		0.195	0.2000	0	97.3	80	120	09/11/2023
Iron		0.0250		2.01	2.000	0	100.5	80	120	09/11/2023
Lead		0.0010		0.501	0.5000	0	100.3	80	120	09/11/2023
Manganese		0.0020		0.524	0.5000	0	104.9	80	120	09/14/2023
Selenium		0.0010		0.429	0.5000	0	85.8	80	120	08/11/2023
Vanadium		0.0050		0.453	0.5000	0	90.7	80	120	08/11/2023
Zinc		0.0132		0.466	0.5000	0	93.3	80	120	09/14/2023
Zinc		0.0132		0.440	0.5000	0	87.9	80	120	09/14/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210567		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-038CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0010		<b>0.488</b>	0.5000	0	97.6	75	125	09/14/2023	
Boron		0.0250		<b>0.486</b>	0.5000	0	97.3	75	125	09/14/2023	
Cadmium		0.0010		<b>0.0460</b>	0.0500	0	92.0	75	125	09/14/2023	
Chromium		0.0015		<b>0.187</b>	0.2000	0	93.6	75	125	09/14/2023	
Iron		0.0250		<b>1.96</b>	2.000	0.09896	92.8	75	125	09/14/2023	
Lead		0.0010		<b>0.499</b>	0.5000	0	99.9	75	125	09/14/2023	
Manganese		0.0020		<b>0.495</b>	0.5000	0.01423	96.3	75	125	09/14/2023	
Selenium		0.0010		<b>0.435</b>	0.5000	0	87.1	75	125	08/11/2023	
Zinc		0.0132		<b>0.451</b>	0.5000	0.007144	88.8	75	125	09/14/2023	

Batch 210567		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-038CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Arsenic		0.0010		<b>0.517</b>	0.5000	0	103.3	0.4878	5.73	09/14/2023		
Boron		0.0250		<b>0.496</b>	0.5000	0	99.2	0.4863	1.95	09/14/2023		
Cadmium		0.0010		<b>0.0488</b>	0.0500	0	97.7	0.04598	6.02	09/14/2023		
Chromium		0.0015		<b>0.195</b>	0.2000	0	97.3	0.1873	3.79	09/14/2023		
Iron		0.0250		<b>2.04</b>	2.000	0.09896	97.2	1.955	4.38	09/14/2023		
Lead		0.0010		<b>0.509</b>	0.5000	0	101.8	0.4993	1.93	09/14/2023		
Manganese		0.0020		<b>0.515</b>	0.5000	0.01423	100.2	0.4955	3.86	09/14/2023		
Selenium		0.0010		<b>0.436</b>	0.5000	0	87.2	0.4353	0.19	08/11/2023		
Zinc		0.0132		<b>0.439</b>	0.5000	0.007144	86.4	0.4509	2.68	09/14/2023		





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211013 SampType: MBLK Units mg/L

SampID: MBLK-211013

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	08/30/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/16/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/08/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/08/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/08/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/16/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/16/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/08/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/08/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/30/2023
Vanadium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0132		< 0.0132	0.0059	0	0	-100	100	09/08/2023

Batch 211013 SampType: LCS Units mg/L

SampID: LCS-211013

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.454	0.5000	0	90.8	80	120	08/30/2023
Arsenic		0.0010		0.536	0.5000	0	107.3	80	120	09/16/2023
Boron		0.0250		0.467	0.5000	0	93.3	80	120	09/08/2023
Cadmium		0.0010		0.0481	0.0500	0	96.3	80	120	09/08/2023
Chromium		0.0015		0.205	0.2000	0	102.3	80	120	09/16/2023
Iron		0.0250		2.05	2.000	0	102.5	80	120	09/16/2023
Lead		0.0010		0.493	0.5000	0	98.5	80	120	09/08/2023
Manganese		0.0020		0.500	0.5000	0	100.1	80	120	09/08/2023
Selenium		0.0010		0.438	0.5000	0	87.6	80	120	08/30/2023
Vanadium		0.0050		0.454	0.5000	0	90.8	80	120	08/30/2023
Zinc		0.0132		0.411	0.5000	0	82.1	80	120	09/08/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211013		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-112CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0010		<b>0.569</b>	0.5000	0	113.9	75	125	09/16/2023	
Boron		0.0250		<b>0.507</b>	0.5000	0.01606	98.1	75	125	09/08/2023	
Cadmium		0.0010		<b>0.0491</b>	0.0500	0	98.3	75	125	09/08/2023	
Chromium		0.0015		<b>0.217</b>	0.2000	0	108.3	75	125	09/16/2023	
Iron		0.0250		<b>2.20</b>	2.000	0.02158	109.1	75	125	09/16/2023	
Lead		0.0010		<b>0.505</b>	0.5000	0	101.1	75	125	09/08/2023	
Manganese		0.0020		<b>0.517</b>	0.5000	0.02366	98.8	75	125	09/08/2023	
Selenium		0.0010		<b>0.438</b>	0.5000	0	87.5	75	125	08/30/2023	
Zinc		0.0132		<b>0.390</b>	0.5000	0	78.0	75	125	09/08/2023	

Batch 211013		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-112CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Arsenic		0.0010		<b>0.567</b>	0.5000	0	113.3	0.5693	0.46	09/16/2023		
Boron		0.0250		<b>0.489</b>	0.5000	0.01606	94.7	0.5067	3.46	09/08/2023		
Cadmium		0.0010		<b>0.0505</b>	0.0500	0	101.0	0.04914	2.77	09/08/2023		
Chromium		0.0015		<b>0.219</b>	0.2000	0	109.6	0.2166	1.21	09/16/2023		
Iron		0.0250		<b>2.20</b>	2.000	0.02158	108.7	2.203	0.38	09/16/2023		
Lead		0.0010		<b>0.530</b>	0.5000	0	106.1	0.5053	4.83	09/08/2023		
Manganese		0.0020		<b>0.526</b>	0.5000	0.02366	100.5	0.5174	1.68	09/08/2023		
Selenium		0.0010		<b>0.436</b>	0.5000	0	87.3	0.4377	0.29	08/30/2023		
Zinc		0.0132		<b>0.408</b>	0.5000	0	81.6	0.3901	4.42	09/08/2023		

Batch 211033		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-211033											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>&lt; 0.0250</b>	0.0125	0	0	-100	100	09/17/2023	
Arsenic		0.0010		<b>&lt; 0.0010</b>	0.0004	0	0	-100	100	09/17/2023	
Boron		0.0250		<b>&lt; 0.0250</b>	0.0093	0	0	-100	100	09/17/2023	
Cadmium		0.0010		<b>&lt; 0.0010</b>	0.0001	0	0	-100	100	09/17/2023	
Chromium		0.0015		<b>&lt; 0.0015</b>	0.0007	0	0	-100	100	09/17/2023	
Iron		0.0250		<b>&lt; 0.0250</b>	0.0115	0	0	-100	100	09/17/2023	
Lead		0.0010		<b>&lt; 0.0010</b>	0.0006	0	0	-100	100	09/17/2023	
Manganese		0.0020		<b>&lt; 0.0020</b>	0.0008	0	0	-100	100	09/17/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211033		SampType: LCS		Units mg/L						
SampID: LCS-211033										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.07</b>	2.000	0	103.3	80	120	09/17/2023
Arsenic		0.0010		<b>0.501</b>	0.5000	0	100.1	80	120	09/17/2023
Boron		0.0250		<b>0.450</b>	0.5000	0	90.0	80	120	09/17/2023
Cadmium		0.0010		<b>0.0451</b>	0.0500	0	90.2	80	120	09/17/2023
Chromium		0.0015		<b>0.195</b>	0.2000	0	97.4	80	120	09/17/2023
Iron		0.0250		<b>1.97</b>	2.000	0	98.4	80	120	09/17/2023
Lead		0.0010		<b>0.485</b>	0.5000	0	96.9	80	120	09/17/2023
Manganese		0.0020		<b>0.504</b>	0.5000	0	100.9	80	120	09/17/2023

Batch 211033		SampType: MS		Units mg/L						
SampID: 23070389-117DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>1.89</b>	2.000	0	94.6	75	125	09/17/2023
Iron		0.0250		<b>1.87</b>	2.000	0.02484	92.3	75	125	09/17/2023
Manganese		0.0020		<b>0.592</b>	0.5000	0.1396	90.5	75	125	09/17/2023
Zinc		0.0132		<b>0.381</b>	0.5000	0	76.1	75	125	09/17/2023

Batch 211033		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 23070389-117DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		<b>1.89</b>	2.000	0	94.7	1.891	0.16	09/17/2023	
Iron		0.0250		<b>1.86</b>	2.000	0.02484	91.5	1.870	0.79	09/17/2023	
Manganese		0.0020		<b>0.592</b>	0.5000	0.1396	90.4	0.5920	0.09	09/17/2023	
Zinc		0.0132		<b>0.379</b>	0.5000	0	75.7	0.3806	0.52	09/17/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 209945 SampType: MBLK Units mg/L

SampID: MBLK-209945

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/16/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	07/28/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/16/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	07/28/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	07/28/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/16/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/16/2023
Boron	*	0.0250		< 0.0250	0.0093	0	0	-100	100	07/28/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/16/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	07/28/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/16/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/16/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	07/28/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	07/28/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/16/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/16/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	07/28/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	07/28/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	07/28/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/16/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/16/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	07/28/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	07/28/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	07/28/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 209945 SampType: LCS Units mg/L

SampID: LCS-209945

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.19</b>	2.000	0	109.3	80	120	09/16/2023
Antimony		0.0010		<b>0.530</b>	0.5000	0	105.9	85	115	07/28/2023
Arsenic		0.0010		<b>0.534</b>	0.5000	0	106.8	80	120	09/16/2023
Arsenic		0.0010		<b>0.558</b>	0.5000	0	111.5	85	115	07/28/2023
Barium		0.0010		<b>2.31</b>	2.000	0	115.5	80	120	09/16/2023
Barium		0.0010		<b>2.19</b>	2.000	0	109.5	85	115	07/28/2023
Beryllium		0.0010		<b>0.0486</b>	0.0500	0	97.1	80	120	09/16/2023
Boron		0.0250		<b>0.511</b>	0.5000	0	102.2	80	120	09/16/2023
Boron	*	0.0250		<b>0.516</b>	0.5000	0	103.2	85	115	07/28/2023
Cadmium		0.0010		<b>0.0541</b>	0.0500	0	108.1	85	115	07/28/2023
Cadmium		0.0010		<b>0.0498</b>	0.0500	0	99.7	80	120	09/16/2023
Chromium		0.0015		<b>0.211</b>	0.2000	0	105.6	85	115	07/28/2023
Chromium		0.0015		<b>0.210</b>	0.2000	0	105.1	80	120	09/16/2023
Cobalt		0.0010		<b>0.546</b>	0.5000	0	109.2	85	115	07/28/2023
Iron		0.0250		<b>2.09</b>	2.000	0	104.4	80	120	09/16/2023
Lead		0.0010		<b>0.539</b>	0.5000	0	107.7	85	115	07/28/2023
Lead		0.0010		<b>0.523</b>	0.5000	0	104.7	80	120	09/16/2023
Lithium	*	0.0030		<b>0.514</b>	0.5000	0	102.7	85	115	07/28/2023
Manganese		0.0020		<b>0.519</b>	0.5000	0	103.8	85	115	07/28/2023
Manganese		0.0020		<b>0.537</b>	0.5000	0	107.4	80	120	09/16/2023
Molybdenum	*	0.0015		<b>0.516</b>	0.5000	0	103.2	85	115	07/28/2023
Molybdenum	*	0.0015		<b>0.505</b>	0.5000	0	100.9	80	120	09/16/2023
Selenium		0.0010		<b>0.519</b>	0.5000	0	103.9	85	115	07/28/2023
Thallium		0.0020		<b>0.258</b>	0.2500	0	103.3	85	115	07/28/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 209945		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-103CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		2.41	2.000	0.4216	99.5	75	125	09/16/2023	
Antimony		0.0010		0.523	0.5000	0.0005572	104.4	75	125	07/28/2023	
Arsenic		0.0010		0.480	0.5000	0.06186	83.7	75	125	09/16/2023	
Barium		0.0010		2.14	2.000	0.01384	106.1	75	125	09/16/2023	
Beryllium		0.0010		0.0470	0.0500	0	94.0	75	125	09/16/2023	
Boron		0.0250		2.18	0.5000	1.697	95.6	75	125	09/16/2023	
Cadmium		0.0010		0.0471	0.0500	0	94.1	75	125	09/16/2023	
Chromium		0.0015		0.186	0.2000	0.0007670	92.4	75	125	09/16/2023	
Cobalt		0.0010		0.527	0.5000	0	105.4	75	125	07/28/2023	
Iron		0.0250		1.85	2.000	0.04409	90.1	75	125	09/16/2023	
Lead		0.0010		0.514	0.5000	0	102.8	75	125	09/16/2023	
Lithium	*	0.0030		0.531	0.5000	0.02067	102.1	75	125	07/28/2023	
Manganese		0.0020		0.461	0.5000	0.002062	91.8	75	125	09/16/2023	
Molybdenum	*	0.0015		0.500	0.5000	0.04906	90.2	75	125	09/16/2023	
Selenium		0.0010		0.465	0.5000	0.0007275	92.8	75	125	07/28/2023	
Thallium		0.0020		0.262	0.2500	0	104.8	75	125	07/28/2023	

Batch 209945		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-103CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		2.48	2.000	0.4216	102.7	2.411	2.69	09/16/2023		
Antimony		0.0010		0.525	0.5000	0.0005572	104.8	0.5226	0.37	07/28/2023		
Arsenic		0.0010		0.498	0.5000	0.06186	87.3	0.4804	3.67	09/16/2023		
Barium		0.0010		2.25	2.000	0.01384	111.7	2.136	5.06	09/16/2023		
Beryllium		0.0010		0.0474	0.0500	0	94.8	0.04700	0.83	09/16/2023		
Boron		0.0250		2.23	0.5000	1.697	107.5	2.175	2.69	09/16/2023		
Cadmium		0.0010		0.0485	0.0500	0	96.9	0.04707	2.92	09/16/2023		
Chromium		0.0015		0.190	0.2000	0.0007670	94.9	0.1856	2.57	09/16/2023		
Cobalt		0.0010		0.539	0.5000	0	107.8	0.5272	2.19	07/28/2023		
Iron		0.0250		1.91	2.000	0.04409	93.3	1.846	3.48	09/16/2023		
Lead		0.0010		0.520	0.5000	0	103.9	0.5139	1.11	09/16/2023		
Lithium	*	0.0030		0.537	0.5000	0.02067	103.2	0.5312	1.03	07/28/2023		
Manganese		0.0020		0.477	0.5000	0.002062	95.1	0.4609	3.52	09/16/2023		
Molybdenum	*	0.0015		0.512	0.5000	0.04906	92.6	0.5000	2.39	09/16/2023		
Selenium		0.0010		0.453	0.5000	0.0007275	90.5	0.4646	2.46	07/28/2023		
Thallium		0.0020		0.262	0.2500	0	104.9	0.2619	0.12	07/28/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210094 SampType: MBLK Units mg/L  
SampID: MBLK-210094

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	07/29/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/10/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/10/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/10/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	07/31/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	07/31/2023
Manganese		0.0020	S	0.0054	0.0008	0	717.6	-100	100	09/10/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/10/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	07/29/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	07/29/2023

Batch 210094 SampType: LCS Units mg/L  
SampID: LCS-210094

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.09	2.000	0	104.4	80	120	09/10/2023
Antimony		0.0010		0.527	0.5000	0	105.4	80	120	07/29/2023
Arsenic		0.0010		0.510	0.5000	0	102.0	80	120	09/10/2023
Barium		0.0010		2.16	2.000	0	107.9	85	115	08/02/2023
Barium		0.0010		2.26	2.000	0	112.8	80	120	09/10/2023
Beryllium		0.0010		0.0447	0.0500	0	89.3	80	120	09/10/2023
Boron		0.0250		0.470	0.5000	0	94.0	80	120	09/10/2023
Cadmium		0.0010		0.0511	0.0500	0	102.2	80	120	09/10/2023
Chromium		0.0015		0.204	0.2000	0	101.8	80	120	09/10/2023
Cobalt		0.0010		0.496	0.5000	0	99.3	80	120	07/31/2023
Iron		0.0250		2.03	2.000	0	101.6	80	120	09/10/2023
Lead		0.0010		0.554	0.5000	0	110.7	80	120	09/10/2023
Lithium	*	0.0030		0.535	0.5000	0	107.0	85	115	08/02/2023
Manganese		0.0020	B	0.513	0.5000	0	102.6	80	120	09/10/2023
Selenium		0.0010		0.503	0.5000	0	100.5	85	115	08/02/2023
Thallium		0.0020		0.263	0.2500	0	105.4	80	120	07/29/2023





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210094		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-010CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0010		1.16	1.000	0	116.4	75	125	07/31/2023	
Beryllium		0.0010		0.0989	0.1000	0	98.9	75	125	07/31/2023	
Boron		0.0250	S	1.18	1.000	0.6045	57.4	75	125	08/02/2023	
Cadmium		0.0010		0.108	0.1000	0	107.6	75	125	07/31/2023	
Chromium		0.0015		0.392	0.4000	0.0009210	97.8	75	125	07/31/2023	
Cobalt		0.0010		1.01	1.000	0.0001714	101.0	75	125	07/31/2023	
Lead		0.0010		1.00	1.000	0	100.3	75	125	07/31/2023	
Selenium		0.0010		0.956	1.000	0	95.6	75	125	08/02/2023	
Thallium		0.0020		0.484	0.5000	0	96.7	75	125	07/31/2023	

Batch 210094		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-010CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		1.16	1.000	0	116.0	1.164	0.39	07/31/2023		
Beryllium		0.0010		0.0956	0.1000	0	95.6	0.09893	3.43	07/31/2023		
Boron		0.0250	S	1.13	1.000	0.6045	52.6	1.179	4.20	08/02/2023		
Cadmium		0.0010		0.108	0.1000	0	108.4	0.1076	0.71	07/31/2023		
Chromium		0.0015		0.382	0.4000	0.0009210	95.4	0.3921	2.51	07/31/2023		
Cobalt		0.0010		0.989	1.000	0.0001714	98.9	1.010	2.06	07/31/2023		
Lead		0.0010		1.00	1.000	0	100.0	1.003	0.30	07/31/2023		
Selenium		0.0010		0.983	1.000	0	98.3	0.9558	2.83	08/02/2023		
Thallium		0.0020		0.484	0.5000	0	96.8	0.4836	0.04	07/31/2023		

Batch 210094		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-064CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		0.949	1.000	0.1017	84.8	75	125	09/15/2023	
Iron		0.250	S	38.2	4.000	54.10	-397.6	75	125	09/18/2023	

Batch 210094		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-064CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Boron		0.0250		0.966	1.000	0.1017	86.4	0.9493	1.70	09/15/2023		
Iron		0.250	S	39.7	4.000	54.10	-360.0	38.20	3.86	09/18/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210149 SampType: MBLK Units mg/L

SampID: MBLK-210149

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	08/02/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	08/02/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	08/02/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	08/04/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	08/02/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	08/02/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	08/02/2023
Iron	*	0.0250		< 0.0250	0.0115	0	0	-100	100	08/02/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	08/02/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	08/02/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	08/04/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/02/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	08/02/2023

Batch 210149 SampType: LCS Units mg/L

SampID: LCS-210149

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.480	0.5000	0	96.0	85	115	08/02/2023
Arsenic		0.0010		0.513	0.5000	0	102.5	85	115	08/02/2023
Barium		0.0010		1.99	2.000	0	99.3	85	115	08/02/2023
Beryllium		0.0010		0.0503	0.0500	0	100.5	85	115	08/04/2023
Boron		0.0250		0.472	0.5000	0	94.4	80	120	09/10/2023
Cadmium		0.0010		0.0483	0.0500	0	96.6	85	115	08/02/2023
Chromium		0.0015		0.190	0.2000	0	94.9	85	115	08/02/2023
Cobalt		0.0010		0.485	0.5000	0	97.1	85	115	08/02/2023
Iron	*	0.0250		1.89	2.000	0	94.6	85	115	08/02/2023
Lead		0.0010		0.489	0.5000	0	97.7	85	115	08/02/2023
Manganese		0.0020		0.472	0.5000	0	94.3	85	115	08/02/2023
Molybdenum	*	0.0015		0.502	0.5000	0	100.3	85	115	08/04/2023
Selenium		0.0010		0.487	0.5000	0	97.5	85	115	08/02/2023
Thallium		0.0020		0.233	0.2500	0	93.4	85	115	08/02/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210149 SampType: MS Units mg/L

SampID: 23070389-068BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.250	S	26.5	0.5000	37.52	-2197	75	125	09/18/2023

Batch 210149 SampType: MSD Units mg/L

SampID: 23070389-068BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.250	S	27.0	0.5000	37.52	-2110	26.53	1.63	09/18/2023

Batch 210259 SampType: MBLK Units mg/L

SampID: MBLK-210259

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	08/04/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	08/04/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/10/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/10/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	08/04/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	08/04/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/10/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	08/04/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	08/04/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	08/04/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/10/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	08/04/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/16/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/04/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	08/04/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210259 SampType: LCS Units mg/L

SampID: LCS-210259

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.06</b>	2.000	0	102.9	80	120	09/10/2023
Antimony		0.0010		<b>0.489</b>	0.5000	0	97.8	85	115	08/04/2023
Arsenic		0.0010		<b>0.498</b>	0.5000	0	99.6	85	115	08/04/2023
Arsenic		0.0010		<b>0.514</b>	0.5000	0	102.8	80	120	09/10/2023
Barium		0.0010		<b>2.15</b>	2.000	0	107.6	80	120	09/10/2023
Beryllium		0.0010		<b>0.0473</b>	0.0500	0	94.7	80	120	09/10/2023
Boron		0.0250		<b>0.491</b>	0.5000	0	98.2	80	120	09/10/2023
Cadmium		0.0010		<b>0.0475</b>	0.0500	0	95.1	85	115	08/04/2023
Cadmium		0.0010		<b>0.0498</b>	0.0500	0	99.5	80	120	09/10/2023
Chromium		0.0015		<b>0.191</b>	0.2000	0	95.7	85	115	08/04/2023
Chromium		0.0015		<b>0.202</b>	0.2000	0	100.9	80	120	09/10/2023
Cobalt		0.0010		<b>0.498</b>	0.5000	0	99.7	85	115	08/04/2023
Iron		0.0250		<b>2.01</b>	2.000	0	100.4	80	120	09/10/2023
Lead		0.0010		<b>0.534</b>	0.5000	0	106.7	85	115	08/04/2023
Lead		0.0010		<b>0.541</b>	0.5000	0	108.3	80	120	09/10/2023
Lithium	*	0.0030		<b>0.529</b>	0.5000	0	105.8	85	115	08/04/2023
Manganese		0.0020		<b>0.517</b>	0.5000	0	103.3	80	120	09/10/2023
Molybdenum	*	0.0015		<b>0.469</b>	0.5000	0	93.9	85	115	08/04/2023
Molybdenum	*	0.0015		<b>0.517</b>	0.5000	0	103.5	80	120	09/16/2023
Selenium		0.0010		<b>0.447</b>	0.5000	0	89.3	85	115	08/04/2023
Thallium		0.0020		<b>0.242</b>	0.2500	0	96.6	85	115	08/04/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210259		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-014CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		4.01	4.000	0.07512	98.3	75	125	09/16/2023	
Antimony		0.0010		1.17	1.000	0	116.7	75	125	08/04/2023	
Arsenic		0.0010		1.06	1.000	0.009417	104.7	75	125	09/16/2023	
Barium		0.0010		4.91	4.000	0.03258	122.0	75	125	09/16/2023	
Beryllium		0.0010		0.0950	0.1000	0	95.0	75	125	09/16/2023	
Boron		0.0250		1.06	1.000	0.09234	97.1	75	125	09/16/2023	
Cadmium		0.0010		0.108	0.1000	0	108.4	75	125	09/16/2023	
Chromium		0.0015		0.392	0.4000	0.001100	97.7	75	125	09/16/2023	
Cobalt		0.0010		0.997	1.000	0.0001756	99.7	75	125	08/04/2023	
Iron		0.0250		4.05	4.000	0.1391	97.8	75	125	09/16/2023	
Lead		0.0010		1.05	1.000	0	104.8	75	125	09/16/2023	
Lithium	*	0.0030		1.06	1.000	0.02149	103.5	75	125	08/08/2023	
Manganese		0.0020		1.35	1.000	0.3831	96.5	75	125	09/16/2023	
Molybdenum	*	0.0015		1.19	1.000	0.008342	118.7	75	125	09/16/2023	
Selenium		0.0010		1.03	1.000	0	102.8	75	125	08/04/2023	
Thallium		0.0020		0.507	0.5000	0	101.5	75	125	08/04/2023	

Batch 210259		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-014CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		4.01	4.000	0.07512	98.4	4.009	0.10	09/16/2023		
Antimony		0.0010	SE	1.31	1.000	0	130.6	1.167	11.23	08/04/2023		
Arsenic		0.0010		1.06	1.000	0.009417	105.0	1.057	0.23	09/16/2023		
Barium		0.0010		4.99	4.000	0.03258	124.0	4.912	1.61	09/16/2023		
Beryllium		0.0010		0.0950	0.1000	0	95.0	0.09499	0.05	09/16/2023		
Boron		0.0250		1.07	1.000	0.09234	97.6	1.063	0.42	09/16/2023		
Cadmium		0.0010		0.114	0.1000	0	114.4	0.1084	5.41	09/16/2023		
Chromium		0.0015		0.395	0.4000	0.001100	98.4	0.3918	0.70	09/16/2023		
Cobalt		0.0010		1.04	1.000	0.0001756	104.5	0.9972	4.67	08/04/2023		
Iron		0.0250		4.10	4.000	0.1391	99.0	4.051	1.20	09/16/2023		
Lead		0.0010		1.06	1.000	0	105.8	1.048	0.94	09/16/2023		
Lithium	*	0.0030		1.05	1.000	0.02149	103.1	1.057	0.39	08/08/2023		
Manganese		0.0020		1.37	1.000	0.3831	98.4	1.348	1.39	09/16/2023		
Molybdenum	*	0.0015	E	1.25	1.000	0.008342	124.6	1.195	4.84	09/16/2023		
Selenium		0.0010		1.15	1.000	0	114.8	1.028	11.02	08/04/2023		
Thallium		0.0020		0.527	0.5000	0	105.4	0.5073	3.78	08/04/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210307 SampType: MBLK Units mg/L

SampID: MBLK-210307

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/15/2023
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	08/04/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/10/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	08/04/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	09/10/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/15/2023
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/10/2023
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	08/04/2023
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	08/04/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/10/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/15/2023
Molybdenum	*	0.0015		< 0.0015	0.0006	0	0	-100	100	09/15/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	08/04/2023
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	08/04/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210307 SampType: LCS Units mg/L

SampID: LCS-210307

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		<b>2.09</b>	2.000	0	104.6	80	120	09/15/2023
Aluminum		0.0250		<b>2.06</b>	2.000	0	103.2	80	120	09/10/2023
Antimony		0.0010		<b>0.484</b>	0.5000	0	96.8	80	120	08/04/2023
Arsenic		0.0010		<b>0.507</b>	0.5000	0	101.4	80	120	09/10/2023
Arsenic		0.0010		<b>0.509</b>	0.5000	0	101.7	80	120	08/04/2023
Barium		0.0010		<b>2.21</b>	2.000	0	110.6	80	120	09/10/2023
Beryllium		0.0010		<b>0.0453</b>	0.0500	0	90.6	80	120	09/10/2023
Boron		0.0250		<b>0.469</b>	0.5000	0	93.7	80	120	09/10/2023
Boron		0.0250		<b>0.447</b>	0.5000	0	89.4	80	120	09/15/2023
Cadmium		0.0010		<b>0.0495</b>	0.0500	0	99.0	80	120	09/10/2023
Chromium		0.0015		<b>0.198</b>	0.2000	0	99.2	80	120	09/10/2023
Cobalt		0.0010		<b>0.522</b>	0.5000	0	104.4	80	120	08/04/2023
Iron		0.0250		<b>1.97</b>	2.000	0	98.7	80	120	09/10/2023
Lead		0.0010		<b>0.538</b>	0.5000	0	107.5	80	120	09/10/2023
Lithium	*	0.0030		<b>0.517</b>	0.5000	0	103.4	80	120	08/04/2023
Manganese		0.0020		<b>0.533</b>	0.5000	0	106.6	80	120	09/15/2023
Manganese		0.0020		<b>0.502</b>	0.5000	0	100.5	80	120	09/10/2023
Molybdenum	*	0.0015		<b>0.494</b>	0.5000	0	98.8	80	120	09/15/2023
Selenium		0.0010		<b>0.446</b>	0.5000	0	89.2	80	120	08/04/2023
Thallium		0.0020		<b>0.244</b>	0.2500	0	97.6	80	120	08/04/2023





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210307		SampType: LCSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: LCSD-210307											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250		<b>2.10</b>	2.000	0	105.1	2.092	0.44	09/15/2023	
Antimony		0.0010		<b>0.499</b>	0.5000	0	99.9	0.4841	3.11	08/04/2023	
Arsenic		0.0010		<b>0.530</b>	0.5000	0	106.0	0.5087	4.11	08/04/2023	
Arsenic		0.0010		<b>0.535</b>	0.5000	0	106.9	0.5087	4.95	09/10/2023	
Barium		0.0010		<b>2.23</b>	2.000	0	111.7	1.971	12.51	09/10/2023	
Beryllium		0.0010		<b>0.0475</b>	0.0500	0	94.9	0.04778	0.67	09/10/2023	
Boron		0.0250		<b>0.448</b>	0.5000	0	89.7	0.4470	0.30	09/15/2023	
Cadmium		0.0010		<b>0.0511</b>	0.0500	0	102.2	0.04784	6.58	09/10/2023	
Chromium		0.0015		<b>0.202</b>	0.2000	0	101.2	0.1964	2.98	09/10/2023	
Cobalt		0.0010		<b>0.538</b>	0.5000	0	107.7	0.5222	3.04	08/04/2023	
Iron		0.0250		<b>2.02</b>	2.000	0	101.2	1.958	3.27	09/10/2023	
Lead		0.0010		<b>0.559</b>	0.5000	0	111.9	0.5248	6.36	09/10/2023	
Lithium	*	0.0030		<b>0.533</b>	0.5000	0	106.7	0.5169	3.13	08/04/2023	
Manganese		0.0020		<b>0.535</b>	0.5000	0	107.1	0.5328	0.49	09/15/2023	
Manganese		0.0020		<b>0.515</b>	0.5000	0	102.9	0.4812	6.73	09/10/2023	
Molybdenum	*	0.0015		<b>0.498</b>	0.5000	0	99.6	0.4940	0.80	09/15/2023	
Selenium		0.0010		<b>0.466</b>	0.5000	0	93.2	0.4458	4.38	08/04/2023	
Thallium		0.0020		<b>0.254</b>	0.2500	0	101.7	0.2441	4.10	08/04/2023	

Batch 210483		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210483											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0010		<b>&lt; 0.0010</b>	0.0004	0	0	-100	100	08/11/2023	
Boron		0.0250		<b>&lt; 0.0250</b>	0.0093	0	0	-100	100	09/18/2023	
Selenium		0.0010		<b>&lt; 0.0010</b>	0.0006	0	0	-100	100	08/11/2023	

Batch 210483		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210483											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0010		<b>0.563</b>	0.5000	0	112.5	85	115	08/11/2023	
Boron		0.0250		<b>0.493</b>	0.5000	0	98.7	80	120	09/18/2023	
Selenium		0.0010		<b>0.502</b>	0.5000	0	100.5	85	115	08/11/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210483		SampType: LCSD		Units mg/L			RPD Limit 20			
SampID: LCSD-210483										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		<b>0.548</b>	0.5000	0	109.6	0.5627	2.63	08/11/2023
Boron		0.0250		<b>0.503</b>	0.5000	0	100.7	0.4934	1.97	09/18/2023
Selenium		0.0010		<b>0.483</b>	0.5000	0	96.7	0.5023	3.85	08/11/2023

### Batch 210625 SampType: MBLK Units mg/L

SampID: MBLK-210625										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< <b>0.0250</b>	0.0125	0	0	-100	100	09/15/2023
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	08/11/2023
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	08/11/2023
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	09/15/2023
Barium		0.0010		< <b>0.0010</b>	0.0007	0	0	-100	100	09/15/2023
Beryllium		0.0010		< <b>0.0010</b>	0.0002	0	0	-100	100	09/15/2023
Boron		0.0250		< <b>0.0250</b>	0.0093	0	0	-100	100	09/15/2023
Cadmium		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	09/15/2023
Chromium		0.0015		< <b>0.0015</b>	0.0007	0	0	-100	100	09/15/2023
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	08/11/2023
Iron		0.0250		< <b>0.0250</b>	0.0115	0	0	-100	100	09/15/2023
Lead		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	09/15/2023
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	08/11/2023
Manganese		0.0020		< <b>0.0020</b>	0.0008	0	0	-100	100	09/15/2023
Molybdenum	*	0.0015		< <b>0.0015</b>	0.0006	0	0	-100	100	09/15/2023
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	08/11/2023
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	08/11/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 210625		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210625											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		2.21	2.000	0	110.4	80	120	09/15/2023	
Antimony		0.0010		0.498	0.5000	0	99.6	85	115	08/11/2023	
Arsenic		0.0010		0.517	0.5000	0	103.4	85	115	08/11/2023	
Arsenic		0.0010		0.553	0.5000	0	110.7	80	120	09/15/2023	
Barium		0.0010		2.30	2.000	0	114.9	80	120	09/15/2023	
Beryllium		0.0010		0.0524	0.0500	0	104.7	80	120	09/15/2023	
Boron		0.0250		0.520	0.5000	0	104.0	80	120	09/15/2023	
Cadmium		0.0010		0.0547	0.0500	0	109.4	80	120	09/15/2023	
Chromium		0.0015		0.215	0.2000	0	107.7	80	120	09/15/2023	
Cobalt		0.0010		0.496	0.5000	0	99.1	85	115	08/11/2023	
Iron		0.0250		2.23	2.000	0	111.5	80	120	09/15/2023	
Lead		0.0010		0.539	0.5000	0	107.8	80	120	09/15/2023	
Lithium	*	0.0030		0.472	0.5000	0	94.4	85	115	08/11/2023	
Manganese		0.0020		0.559	0.5000	0	111.7	80	120	09/15/2023	
Molybdenum	*	0.0015		0.541	0.5000	0	108.2	80	120	09/15/2023	
Selenium		0.0010		0.482	0.5000	0	96.4	85	115	08/11/2023	
Thallium		0.0020		0.242	0.2500	0	97.0	85	115	08/11/2023	

Batch 210625		SampType: LCSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: LCSD-210625												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		0.0010		0.512	0.5000	0	102.4	0.4978	2.84	08/11/2023		
Arsenic		0.0010		0.534	0.5000	0	106.8	0.5169	3.24	08/11/2023		
Cobalt		0.0010		0.494	0.5000	0	98.9	0.4956	0.26	08/11/2023		
Lithium	*	0.0030		0.473	0.5000	0	94.7	0.4721	0.28	08/11/2023		
Selenium		0.0010		0.477	0.5000	0	95.4	0.4818	1.06	08/11/2023		
Thallium		0.0020		0.246	0.2500	0	98.4	0.2424	1.52	08/11/2023		

Batch 211012		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-211012											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	09/16/2023	
Iron		0.0250		< 0.0250	0.0175	0	0	-100	100	09/16/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211012		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-211012											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		<b>0.514</b>	0.5000	0	102.8	80	120	09/17/2023	
Iron		0.0250		<b>2.16</b>	2.000	0	108.0	80	120	09/17/2023	

Batch 211012		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-114CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		<b>0.590</b>	0.5000	0.09343	99.3	75	125	09/17/2023	
Iron		0.0250		<b>9.67</b>	2.000	7.327	117.4	75	125	09/17/2023	

Batch 211012		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-114CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Boron		0.0250		<b>0.590</b>	0.5000	0.09343	99.4	0.5900	0.03	09/17/2023		
Iron		0.0250		<b>9.70</b>	2.000	7.327	118.8	9.674	0.30	09/17/2023		

Batch 211034		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-211034											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		< <b>0.0250</b>	0.0125	0	0	-100	100	09/16/2023	
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	08/30/2023	
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	09/16/2023	
Barium		0.0010		< <b>0.0010</b>	0.0007	0	0	-100	100	09/16/2023	
Beryllium		0.0010		< <b>0.0010</b>	0.0002	0	0	-100	100	09/16/2023	
Boron		0.0250		< <b>0.0250</b>	0.0093	0	0	-100	100	09/16/2023	
Cadmium		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	08/30/2023	
Chromium		0.0015		< <b>0.0015</b>	0.0007	0	0	-100	100	09/16/2023	
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	08/30/2023	
Iron		0.0250		< <b>0.0250</b>	0.0115	0	0	-100	100	09/16/2023	
Lead		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	09/16/2023	
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	08/30/2023	
Manganese		0.0020		< <b>0.0020</b>	0.0008	0	0	-100	100	09/16/2023	
Molybdenum	*	0.0015		< <b>0.0015</b>	0.0006	0	0	-100	100	09/16/2023	
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	08/30/2023	
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	08/30/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211034 SampType: LCS Units mg/L

SampID: LCS-211034

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	S	<b>2.50</b>	2.000	0	125.0	80	120	09/16/2023
Antimony		0.0010		<b>0.501</b>	0.5000	0	100.3	85	115	08/30/2023
Arsenic		0.0010		<b>0.598</b>	0.5000	0	119.7	80	120	09/16/2023
Barium		0.0010	S	<b>2.67</b>	2.000	0	133.6	80	120	09/16/2023
Beryllium		0.0010		<b>0.0567</b>	0.0500	0	113.3	80	120	09/16/2023
Boron		0.0250		<b>0.588</b>	0.5000	0	117.7	80	120	09/16/2023
Cadmium		0.0010		<b>0.0479</b>	0.0500	0	95.7	85	115	08/30/2023
Chromium		0.0015	S	<b>0.242</b>	0.2000	0	120.9	80	120	09/16/2023
Cobalt		0.0010		<b>0.501</b>	0.5000	0	100.2	80	120	08/30/2023
Iron		0.0250		<b>2.39</b>	2.000	0	119.5	80	120	09/16/2023
Lead		0.0010	S	<b>0.609</b>	0.5000	0	121.9	80	120	09/16/2023
Lithium	*	0.0030		<b>0.508</b>	0.5000	0	101.6	80	120	08/30/2023
Manganese		0.0020	S	<b>0.618</b>	0.5000	0	123.6	80	120	09/16/2023
Molybdenum	*	0.0015		<b>0.580</b>	0.5000	0	116.1	80	120	09/16/2023
Selenium		0.0010		<b>0.454</b>	0.5000	0	90.8	85	115	08/30/2023
Thallium		0.0020		<b>0.223</b>	0.2500	0	89.2	85	115	08/30/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211213 SampType: MBLK Units mg/L

SampID: MBLK-211213

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	S	<b>0.0291</b>	0.0125	0	232.7	-100	100	08/31/2023
Antimony		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	08/31/2023
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	09/06/2023
Arsenic		0.0010		< <b>0.0010</b>	0.0004	0	0	-100	100	08/31/2023
Barium		0.0010		< <b>0.0010</b>	0.0007	0	0	-100	100	09/16/2023
Barium		0.0010		< <b>0.0010</b>	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		< <b>0.0010</b>	0.0002	0	0	-100	100	08/31/2023
Boron		0.0250		< <b>0.0250</b>	0.0093	0	0	-100	100	08/31/2023
Cadmium		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	08/31/2023
Chromium		0.0015		< <b>0.0015</b>	0.0007	0	0	-100	100	08/31/2023
Cobalt		0.0010		< <b>0.0010</b>	0.0001	0	0	-100	100	08/31/2023
Iron		0.0250		< <b>0.0250</b>	0.0115	0	0	-100	100	08/31/2023
Lead		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	09/16/2023
Lead		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		< <b>0.0030</b>	0.0015	0	0	-100	100	08/31/2023
Manganese		0.0020		< <b>0.0020</b>	0.0008	0	0	-100	100	08/31/2023
Molybdenum	*	0.0015		< <b>0.0015</b>	0.0006	0	0	-100	100	08/31/2023
Selenium		0.0010		< <b>0.0010</b>	0.0006	0	0	-100	100	08/31/2023
Thallium		0.0020		< <b>0.0020</b>	0.0010	0	0	-100	100	08/31/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211213		SampType: LCS		Units mg/L							
SampID: LCS-211213											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250	B	<b>2.12</b>	2.000	0	106.1	80	120	08/31/2023	
Antimony		0.0010		<b>0.573</b>	0.5000	0	114.6	80	120	08/31/2023	
Arsenic		0.0010		<b>0.506</b>	0.5000	0	101.1	85	115	09/06/2023	
Arsenic		0.0010		<b>0.592</b>	0.5000	0	118.4	80	120	08/31/2023	
Beryllium		0.0010		<b>0.0537</b>	0.0500	0	107.4	80	120	08/31/2023	
Boron		0.0250		<b>0.516</b>	0.5000	0	103.2	80	120	08/31/2023	
Cadmium		0.0010		<b>0.0558</b>	0.0500	0	111.5	80	120	08/31/2023	
Chromium		0.0015		<b>0.216</b>	0.2000	0	108.2	80	120	08/31/2023	
Cobalt		0.0010		<b>0.549</b>	0.5000	0	109.8	80	120	08/31/2023	
Iron		0.0250		<b>2.18</b>	2.000	0	109.0	80	120	08/31/2023	
Lead		0.0010	S	<b>0.624</b>	0.5000	0	124.7	80	120	09/10/2023	
Lithium	*	0.0030		<b>0.546</b>	0.5000	0	109.2	80	120	08/31/2023	
Manganese		0.0020		<b>0.533</b>	0.5000	0	106.7	80	120	08/31/2023	
Molybdenum	*	0.0015		<b>0.544</b>	0.5000	0	108.9	80	120	08/31/2023	
Selenium		0.0010		<b>0.522</b>	0.5000	0	104.4	80	120	08/31/2023	
Thallium		0.0020		<b>0.268</b>	0.2500	0	107.3	80	120	08/31/2023	

Batch 211213		SampType: MS		Units mg/L							
SampID: 23070389-116CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250	B	<b>4.46</b>	4.000	0.3459	102.8	75	125	08/31/2023	
Antimony		0.0010	SE	<b>1.28</b>	1.000	0	128.0	75	125	08/31/2023	
Arsenic		0.0010		<b>1.11</b>	1.000	0.0009230	111.2	75	125	08/31/2023	
Beryllium		0.0010		<b>0.104</b>	0.1000	0.0003817	103.6	75	125	08/31/2023	
Boron		0.0250		<b>1.18</b>	1.000	0.1889	99.4	75	125	08/31/2023	
Cadmium		0.0010		<b>0.112</b>	0.1000	0	111.7	75	125	08/31/2023	
Chromium		0.0015		<b>0.405</b>	0.4000	0.002169	100.7	75	125	08/31/2023	
Cobalt		0.0010		<b>0.883</b>	1.000	0.001562	88.2	75	125	08/31/2023	
Iron		0.0250		<b>4.86</b>	4.000	0.7602	102.5	75	125	08/31/2023	
Lead		0.0010		<b>1.23</b>	1.000	0	123.0	75	125	09/10/2023	
Lithium	*	0.0030		<b>1.23</b>	1.000	0.1897	103.7	75	125	08/31/2023	
Manganese		0.0020		<b>1.19</b>	1.000	0.2869	90.7	75	125	08/31/2023	
Molybdenum	*	0.0015		<b>1.15</b>	1.000	0.001515	115.2	75	125	08/31/2023	
Selenium		0.0010		<b>0.984</b>	1.000	0	98.4	75	125	08/31/2023	
Thallium		0.0020		<b>0.519</b>	0.5000	0	103.9	75	125	08/31/2023	





## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211213		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 23070389-116CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		0.0250	B	4.44	4.000	0.3459	102.5	4.459	0.31	08/31/2023	
Antimony		0.0010	SE	1.27	1.000	0	126.7	1.280	1.06	08/31/2023	
Arsenic		0.0010		1.11	1.000	0.0009230	111.3	1.113	0.11	08/31/2023	
Beryllium		0.0010		0.104	0.1000	0.0003817	103.7	0.1040	0.08	08/31/2023	
Boron		0.0250		1.18	1.000	0.1889	99.5	1.183	0.08	08/31/2023	
Cadmium		0.0010		0.110	0.1000	0	109.9	0.1117	1.63	08/31/2023	
Chromium		0.0015		0.395	0.4000	0.002169	98.2	0.4049	2.49	08/31/2023	
Cobalt		0.0010		0.881	1.000	0.001562	88.0	0.8834	0.22	08/31/2023	
Iron		0.0250		4.88	4.000	0.7602	103.1	4.862	0.43	08/31/2023	
Lead		0.0010		1.20	1.000	0	119.8	1.230	2.61	09/10/2023	
Lithium	*	0.0030		1.19	1.000	0.1897	100.3	1.227	2.82	08/31/2023	
Manganese		0.0020		1.19	1.000	0.2869	90.3	1.194	0.32	08/31/2023	
Molybdenum	*	0.0015		1.13	1.000	0.001515	112.9	1.154	2.06	08/31/2023	
Selenium		0.0010		0.989	1.000	0	98.9	0.9839	0.47	08/31/2023	
Thallium		0.0020		0.509	0.5000	0	101.9	0.5194	1.96	08/31/2023	

### Batch 212096 SampType: MBLK Units mg/L

SampID: MBLK-212096										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0125	0	0	-100	100	09/20/2023
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	09/21/2023
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	09/21/2023
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	09/20/2023
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	09/20/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/21/2023
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	09/20/2023
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	09/20/2023
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	09/21/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 212096		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-212096											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>2.07</b>	2.000	0	103.5	80	120	09/20/2023	
Antimony		0.0010		<b>0.501</b>	0.5000	0	100.2	85	115	09/21/2023	
Arsenic		0.0010		<b>0.504</b>	0.5000	0	100.8	85	115	09/21/2023	
Barium		0.0010		<b>2.14</b>	2.000	0	106.8	80	120	09/20/2023	
Chromium		0.0015		<b>0.213</b>	0.2000	0	106.3	80	120	09/20/2023	
Lead		0.0010		<b>0.493</b>	0.5000	0	98.5	85	115	09/21/2023	
Lead		0.0010		<b>0.529</b>	0.5000	0	105.7	80	120	09/20/2023	
Manganese		0.0020		<b>0.520</b>	0.5000	0	104.0	80	120	09/20/2023	
Selenium		0.0010		<b>0.507</b>	0.5000	0	101.5	85	115	09/22/2023	

Batch 212096		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-117CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		0.0250		<b>4.09</b>	4.000	0.3606	93.3	75	125	09/20/2023	
Barium		0.0010		<b>4.73</b>	4.000	0.01058	118.0	75	125	09/20/2023	
Chromium		0.0015		<b>0.391</b>	0.4000	0.001907	97.4	75	125	09/20/2023	
Lead		0.0010		<b>1.09</b>	1.000	0	109.4	75	125	09/20/2023	
Manganese		0.0020		<b>1.03</b>	1.000	0.09165	93.4	75	125	09/20/2023	

Batch 212096		SampType: MSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: 23070389-117CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aluminum		0.0250		<b>4.44</b>	4.000	0.3606	101.9	4.094	8.02	09/20/2023		
Barium		0.0010		<b>4.85</b>	4.000	0.01058	120.9	4.732	2.37	09/20/2023		
Chromium		0.0015		<b>0.415</b>	0.4000	0.001907	103.3	0.3915	5.82	09/20/2023		
Lead		0.0010		<b>1.13</b>	1.000	0	113.4	1.094	3.56	09/20/2023		
Manganese		0.0020		<b>1.10</b>	1.000	0.09165	100.6	1.025	6.85	09/20/2023		

Batch 212110		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-212110											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Barium		0.0010		<b>&lt; 0.0010</b>	0.0007	0	0	-100	100	09/20/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 212110		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-212110											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Barium		0.0010		2.30	2.000	0	114.9	80	120	09/20/2023	

Batch 212110		SampType: LCSD		Units mg/L							RPD Limit 20	Date Analyzed
SampID: LCSD-212110												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Barium		0.0010		2.25	2.000	0	112.4	2.298	2.15	09/20/2023		

### SW-846 7470A (DISSOLVED)

Batch 210195		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210195											
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	08/01/2023	

Batch 210195		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210195											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00463	0.0050	0	92.7	85	115	08/01/2023	

Batch 210305		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-061CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00828	0.0100	0.0001390	81.4	75	125	08/03/2023	

Batch 210305		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-061CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		0.00857	0.0100	0.0001390	84.3	0.008284	3.39	08/03/2023		

Batch 210306		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-064DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00471	0.0050	0	94.2	75	125	08/04/2023	



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 7470A (DISSOLVED)

Batch 210306		SampType: MSD		Units mg/L			RPD Limit 15			
SampID: 23070389-064DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		<b>0.00458</b>	0.0050	0	91.6	0.004710	2.75	08/04/2023

Batch 211189		SampType: MS		Units mg/L						
SampID: 23070389-114DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>0.00557</b>	0.0050	0	111.4	75	125	08/23/2023

Batch 211189		SampType: MSD		Units mg/L			RPD Limit 15			
SampID: 23070389-114DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		<b>0.00585</b>	0.0050	0	117.0	0.005571	4.86	08/23/2023

### SW-846 7470A (TOTAL)

Batch 209946		SampType: MBLK		Units mg/L						
SampID: MBLK-209946										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< <b>0.00020</b>	0.0001	0	0	-100	100	07/26/2023

Batch 209946		SampType: LCS		Units mg/L						
SampID: LCS-209946										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>0.00513</b>	0.0050	0	102.6	85	115	07/26/2023

Batch 209946		SampType: MS		Units mg/L						
SampID: 23070389-015CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>0.00520</b>	0.0050	0	104.0	75	125	07/26/2023

Batch 209946		SampType: MSD		Units mg/L			RPD Limit 15			
SampID: 23070389-015CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		<b>0.00493</b>	0.0050	0	98.7	0.005202	5.29	07/26/2023



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 7470A (TOTAL)

Batch 210195		SampType: MBLK		Units mg/L							
SampID: MBLK-210195											
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	08/01/2023	

Batch 210195		SampType: LCS		Units mg/L							
SampID: LCS-210195											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00463	0.0050	0	92.7	85	115	08/01/2023	

Batch 210195		SampType: MS		Units mg/L							
SampID: 23070389-108CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00472	0.0050	0	94.5	75	125	08/01/2023	

Batch 210195		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23070389-108CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		0.00478	0.0050	0	95.5	0.004723	1.11	08/01/2023		

Batch 210255		SampType: MBLK		Units mg/L							
SampID: MBLK-210255											
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	08/02/2023	

Batch 210255		SampType: LCS		Units mg/L							
SampID: LCS-210255											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00535	0.0050	0	107.0	85	115	08/02/2023	

Batch 210255		SampType: MS		Units mg/L							
SampID: 23070389-012CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00530	0.0050	0	106.1	75	125	08/02/2023	

Batch 210255		SampType: MSD		Units mg/L						RPD Limit 15		Date Analyzed
SampID: 23070389-012CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		0.00514	0.0050	0	102.7	0.005304	3.21	08/02/2023		



## Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

### SW-846 7470A (TOTAL)

Batch 210305		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210305											
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	08/03/2023	

Batch 210305		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210305											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00469	0.0050	0	93.8	85	115	08/03/2023	

Batch 210305		SampType: MS		Units mg/L							Date Analyzed
SampID: 23070389-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00810	0.0100	0	81.0	75	125	08/03/2023	

Batch 210305		SampType: MSD		Units mg/L							RPD Limit 15	Date Analyzed
SampID: 23070389-005CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.00020		0.00837	0.0100	0	83.7	0.008104	3.29	08/03/2023		

Batch 210306		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-210306											
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	08/04/2023	

Batch 210306		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-210306											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00454	0.0050	0	90.9	85	115	08/04/2023	

Batch 211189		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-211189											
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	08/25/2023	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	08/23/2023	



### Quality Control Results

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

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

Batch 211189 SampType: LCS Units mg/L

SampID: LCS-211189

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		<b>0.00505</b>	0.0050	0	100.9	85	115	08/23/2023





# Receiving Check List

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

Client: Ramboll

Work Order: 23070389

Client Project: NEW-23Q3

Report Date: 09-Nov-23

Carrier: Skylar Mathis

Received By: ANC

Completed by:

Reviewed by:

On:

02-Aug-23

Amber Dilallo

On:

02-Aug-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C <b>3.8</b>
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input checked="" type="checkbox"/>	Lab <input type="checkbox"/>	NA <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

*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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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

pH strip #90719/79929. - TWM/CET/acolin - 7/25/2023 10:12:23 AM

Additional HNO3 (90404) was needed in XPWO1 upon arrival at the laboratory. - acolin - 7/25/2023 10:12:26 AM

Additional HNO3 (90404) was needed in APWO2, G232 upon arrival at the laboratory. - acolin - 7/26/2023 1:35:53 PM

Additional HNO3 (90404) was needed in G225, additional H2SO4 (90128) was needed in G225, and additional NaOH (81662) was needed in G217S, G225, R2170, A213DUP upon arrival at the laboratory. - acolin - 7/27/2023 9:04:36 AM

Samples collected on 7/26/23 were delivered to the laboratory on 7/26/23 at 1805 (on ice - 8.4C - LTG#5). pH strip #90719/79929 - ANC/ERH 7/27/23

G141 was filtered and preserved with nitric acid (90404) for the dissolved parameters upon arrival at the laboratory. - TM/ehopkins - 7/27/2023 9:36:45 AM

L1R was preserved with HNO3 (90404) upon arrival at the laboratory. Sample did not reach the desired pH range. G104, G106, G1139, R219, G104DUP were preserved with NaOH (81662) upon arrival at the laboratory. - MP/acolin - 7/28/2023 9:50:16 AM

Samples collected on 7/31/23 were delivered to the laboratory on 8/01/23 at 805 (on ice - 5.8C - LTG#1). pH strip #90719 - CET/ERH 7/27/23

Samples collected on 8/01/23 were delivered to the laboratory on 8/02/23 at 1000 (on ice - 3.4C - LTG#1). pH strip #90719 - CET/ERH 7/27/23

Samples collected on 8/16/23 were delivered to the laboratory on 8/16/23 at 1529 (on ice - 5.4C - LTG#5). pH strip #90719/79929 - CET/ERH 7/27/23

pH strip #90719. - amberdilallo - 8/17/2023 3:34:30 PM

Samples collected on 8/17/23 were delivered to the laboratory on 8/17/23 at 1400 (on ice - 1.2C - LTG#1). pH strip #90719/79929 - AMD/ERH 8/17/23

23070384  
NEW-23Q3-01

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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES    GROUND WATER    DRINKING WATER	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST    RCRA    OTHER	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		STATE: <b>IL</b>	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Profile #:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	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.
							Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	NEW-257-501	NEW-257-502		NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000			
							MATRIX CODE	DRINKING WATER DW	WATER WT	WASTE WATER WW	PRODUCT P	SOIL/SOLID SL	OIL CL	WIPE WP	AIR AR	OTHER OT		TISSUE TS							
1	A207					0																		23070384-001	
2	* A213					5	2																		002
3	* A214					5	2																		003
4	* A215					5	2																		004
5	* APW02		7-25-23	1145		6	2	2																	005
6	* APW03					1																			006
7	* APW04					1																			007
8	APW05		7-24-23	1352		1																			008
9	APW05S		7-25-23	1253		1																			009
10	APW06		7-25-23	1222		1																			010
11	APW07		7-25-23	1010		1																			011
12	APW08					1																			012
13	APW09					1																			013
14	APW10					1																			014
15	APW11		7-24-23	1453		1																			015
16	APW12		7-24-23	1523		6	2	2																	016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
NEW-23Q3 Rev 0	J. Colo	7-24-23	1700*	Justin Colp	7/24/23	1700	Y	N	
	Justin Colp	7/25/23	0840	Justin Colp	7/25/23	840	3.8		

\* Initial relinquished time per Justin Colp.  
EAH 9/28/23

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY)	Temp in °C	Received on Ice (Y/N)	Custody Sealed Container (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	<i>Justin Colp</i>	7-24-23				

LTG:1  
PMD7A.65 7-25-23

NEW-23Q3

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

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<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES    GROUND WATER    DRINKING WATER	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST    RCRA    OTHER	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		STATE: <b>IL</b>	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Profile #:	

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX    CODE DRINKING WATER    DW WASTE WATER    WW PRODUCT    P SOILS/LIQUID    SL OIL    OL WASTE    WP AIR    AR OTHER    OT TISSUE    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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501			NEW-SUP-000
					1	MW48S								0												
2	R216						0																		098	
3	R217D						6	2	2		1														099	
4	R219						5	2	1		1														100	
5	SG02						0																		101	
6	XPW01				7-24-23	1730	6	2	2																102	
7	XPW02				7-24-23	1130	6	2	2																103	
8	XPW03						6	2	2																104	
9	XPW04				7-24-23	1300	6	2	2																105	
10	XSG01						0																		106	
11	Field Blank						8	2	2		1														107	
12	APW02 Duplicate						6	2	2																108	
13	A213 Duplicate						5	2	1		1														109	
14	G104 Duplicate						5	2	1		1														110	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
<b>NEW-23Q3 Rev 0</b>	J. Colp	7/24/23	1700*	Justin Colp	7/24/23	1700								
	Justin Colp	7/25/23	0840	Elleison Colp	7/25/23	840	3.8	Y						

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	<i>Justin Colp</i>		
DATE Signed (MM/DD/YY):	7-24-23		

\*Initial relinquished time per Justin Colp.  
EAH 9/28/23

PH 90719-986 6x6.1  
Added HNO<sub>3</sub>(90404) to both 25ml from XPW01.  
G+ 7-25-23



NEW 845-909  
23070389

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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 2 of 7		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		REGULATORY AGENCY		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>				
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		NPDES    GROUND WATER    DRINKING WATER		
Phone: (217) 753-8911    Fax:		Project Name:		Quote Reference:		UST    RCRA    OTHER		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Site Location		
				Profile #:		STATE: <b>IL</b>		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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.					
						Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	NEW-257-501	NEW-257-502					NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000
						DATE	TIME																	
1	APW13				6	2	2	2											23070389-017					
2	APW14																		018					
3	APW15																		019					
4	APW16																		020					
5	APW17		7-25-23	1036															021					
6	APW18		7-25-23	0942		6	2	2	2										022					
7	G06D					2	1	1											023					
8	G104					5	2	1	1	1									024					
9	G104D					2	1	1											025					
10	G104S					0													026					
11	G105					5	2	1	1	1									027					
12	G106					5	2	1	1	1									028					
13	G108					2	1	1											029					
14	G109					0													030					
15	G110					0													031					
16	G111					0													032					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	5.8	SAMPLE CONDITIONS		
NEW-23Q3 Rev 0	J. Colp	7-25	1700*	<i>Justin Colp</i>	7/25/23	1700*	5.8			
	<i>Justin Colp</i>	7/26/23	0805	<i>Justin Colp</i>	7/20	815	1			

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 Colp</i>					
SIGNATURE of SAMPLER: <i>Justin Colp</i>	DATE Signed (MM/DD/YY): <i>7-25-23</i>				

\* Initial relinquished time per Justin Colp.  
EAH 9/28/23









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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>	
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>	
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:	
				Profile #:	
				<b>REGULATORY AGENCY</b>	
				NPDES    GROUND WATER    DRINKING WATER	
				UST    RCRA    OTHER	
				Site Location	
				STATE: <b>IL</b>	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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.	
								Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501			NEW-SUP-000
1	MW48S						0																		23070389-097
2	R216						0																		098
3	R217D						6	2	2		1					✓	✓								099
4	R219						5	2	1		1						✓								100
5	SG02						0								✓				✓						101
6	XPW01						6	2	2	2					✓				✓		✓				102
7	XPW02						6	2	2	2					✓				✓		✓				103
8	XPW03						6	2	2	2					✓				✓		✓				104
9	XPW04						6	2	2	2					✓				✓		✓				105
10	XSG01						0								✓				✓		✓				106
11	Field Blank						8	2	2	2	1				✓	✓	✓	✓	✓	✓	✓				107
12	APW02 Duplicate			7-25-23	11:45		6	2	2	2					✓				✓		✓				108
13	A213 Duplicate						5	2	1	1	1						✓								109
14	G104 Duplicate						5	2	1	1	1							✓							110

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q3 Rev 0	J. Colp	7-25	1700*	Justin Colp	7/25	1700*	
	Justin Colp	7/26	0815	Justin Colp	7/26	8:15	

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:	7-25-23				

\*Initial relinquished time per Justin Colp.  
EAH 9/28/23



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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>	
Company: <u>Vistra Corp</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		NPDES    GROUND WATER    DRINKING WATER	
Address: <u>13498 E. 900th St</u>		Copy To: <u>Jason Stuckey</u>		Company Name: <u>Vistra Corp</u>		UST    RCRA    OTHER	
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Address: <u>see Section A</u>		Site Location	
Phone: <u>(217) 753-8911</u> Fax:		Project Name:		Quote Reference:		STATE: <u>IL</u>	
Requested Due Date/TAT: <u>10 day</u>		Project Number: <u>2285</u>		Project Manager:		Profile #	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)							Residual Chlorine (Y/N)	Project No./ Lab I.D.		
						DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502			NEW-811-503	NEW-845-501
1	G112				0																		23070389-033
2	G113				0																		034
3	G114				2	1	1																035
4	G114D				2	1	1																036
5	G115				0																		037
6	G116				5	2	1	1	1														038
7	G117				0																		039
8	G118				2	1	1																040
9	G119				0																		041
10	G120				0																		042
11	G125				5	2	1	1	1														043
12	G128				6	2	1	2	1														044
13	G130				6	2	1	2	1														045
14	G133				6	2	1	2	1														046
15	G136				5	2	1	1	1														047
16	G139				5	2	1	1	1														048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q3 Rev 0	<u>James Farrell</u>	<u>7/26/23</u>	<u>1805</u>	<u>Eric Deane</u>	<u>7/26/23</u>	<u>1805</u>	

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: <u>James Farrell</u>		DATE Signed (MM/DD/YY): <u>7/26/23</u>					
SIGNATURE of SAMPLER: <u>James Farrell</u>							





NEW-23Q3  
23070389

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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES    GROUND WATER    DRINKING WATER		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST    RCRA    OTHER		
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		STATE:    IL		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Profile #:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX    CODE	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.					
								Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	NEW-257-501	NEW-257-502					NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000
								MATRIX CODE	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)					(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)	(see valid codes to left)
1	APW13						6	2	2	2											23070389-017					
2	APW14																				018					
3	APW15																				019					
4	APW16																				020					
5	APW17																				021					
6	APW18						6	2	2	2											022					
7	G08D						2	1	1												023					
8	G104			7-27-23	0907		5	2	1	1											024					
9	G104D						2	1	1												025					
10	G104S						0														026					
11	G105						5	2	1	1											027					
12	G106			7-27-23	0814		5	2	1	1											028					
13	G108						2	1	1												029					
14	G109						0														030					
15	G110						0														031					
16	G111						0														032					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q3 Rev 0	J. Colp	7-27	1635	Justin Colp	7/27	1035	0.8 #5

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Inject (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YYYY): 7-27-23					

Desired pH not reached LIR  
 pH checked 79929, 90719  
 pH added NaOH 6104, 6106, 61139, 12219, 6104 dup    pH added HNO3 LIR - WUP 7128









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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/>		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>		
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		Site Location		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		STATE: <b>IL</b>		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:		Profile #:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)							Residual Chlorine (Y/N)	Project No / Lab I.D.				
						DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Analysis Test ↓	NEW-257-501	NEW-257-502	NEW-811-502			NEW-811-503	NEW-845-501	NEW-NPDES-501	NEW-SUP-000
1	M25-7				0																23070389-081				
2	M26-1				0																082				
3	M26-2				0																083				
4	M26-3				0																084				
5	M26-4				0																085				
6	M26-5				0																086				
7	M26-6				0																087				
8	M26-7				0																088				
9	MW31S				0																089				
10	MW33S				0																090				
11	MW34D		7-27-23 10:28		2	1	1														091				
12	MW35D		7-27-23 9:19		2	1	1														092				
13	MW35S				0																093				
14	MW36S		7-27-23 10:58		0																094				
15	MW43D		<del>7-27-23 10:33</del>		2	1	1														095				
16	MW46D	OKV	7-27-23 OKV		2	1	1														096				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-23Q3 Rev 0	J. Gelp	7-27	1635	Allen Coler	7/27	1035	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
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>Jason Gelp</i>				DATE Signed (MM/DD/YY): <i>7-27-23</i>						
SIGNATURE of SAMPLER: <i>[Signature]</i>										

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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:			
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>			
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		<b>REGULATORY AGENCY</b>	
				Address: <b>see Section A</b>			
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Quote Reference:		NPDES <b>GROUND WATER</b> <b>DRINKING WATER</b>	
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager:		UST <b>RCRA</b> <b>OTHER</b>	
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Profile #:		Site Location <b>IL</b>	
						STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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.	
								Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501			NEW-SUP-000
								DRINKING WATER DW	WATER WT	WASTE WATER WW	PRODUCT P	SOLIDS SL	OIL OL	WIPE WYP		AIR AR	OTHER OT	TS							
1	MW48S						0																	23070389-097	
2	R216						0																	098	
3	R217D						6	2	1	2	1													099	
4	R219			7-27-23	1210		5	2	1	1	1													100	
5	SG02						0																	101	
6	XPW01						6	2	2	2														102	
7	XPW02						6	2	2	2														103	
8	XPW03						6	2	2	2														104	
9	XPW04						6	2	2	2														105	
10	XSG01						0																	106	
11	Field Blank						8	2	3	2	1													107	
12	APW02 Duplicate						6	2	2	2														108	
13	A213 Duplicate						5	2	1	1	1													109	
14	G104 Duplicate			7-27-23	0907		5	2	1	1	1													110	
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q3 Rev 0	J. Cobb	7-27	1635	Allen Miller	7/27	1035	

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:	J. Cobb				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	7-27-23		





















September 19, 2023

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



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

**RE: NEW-23Q3**

**WorkOrder: 23070390**

Dear Eric Bauer:

TEKLAB, INC received 26 samples on 8/17/2023 2:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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





## Report Contents

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	31
Dates Report	32
Receiving Check List	34
Chain of Custody	Appended

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

### Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count ( > 200 CFU )



## Definitions

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

### Qualifiers

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



## Case Narrative

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Cooler Receipt Temp:** 3.8 °C

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

APW02 (and its field duplicate) required resampling due to field meter errors. The resamples will be included in the final report(s). EAH 8/18/23

Ra226/228 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:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

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



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-002  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW03  
**Collection Date:** 07/31/2023 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:09	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-003  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW04  
**Collection Date:** 07/31/2023 11:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:09	R336425





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-004  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW05  
**Collection Date:** 07/24/2023 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:11	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-005

**Client Sample ID:** APW05S

**Matrix:** GROUNDWATER

**Collection Date:** 07/25/2023 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:11	R336425



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

Client: Ramboll

Work Order: 23070390

Client Project: NEW-23Q3

Report Date: 19-Sep-23

Lab ID: 23070390-006

Client Sample ID: APW06

Matrix: GROUNDWATER

Collection Date: 07/25/2023 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:11	R336425



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-007

**Client Sample ID:** APW07

**Matrix:** GROUNDWATER

**Collection Date:** 07/25/2023 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:11	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-008  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW08  
**Collection Date:** 07/31/2023 15:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:11	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-009  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW09  
**Collection Date:** 07/31/2023 13:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:11	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-010  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW10  
**Collection Date:** 07/31/2023 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:11	R336425





## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-011

**Client Sample ID:** APW11

**Matrix:** GROUNDWATER

**Collection Date:** 07/24/2023 14:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:12	R336425



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-012

**Client Sample ID:** APW12

**Matrix:** GROUNDWATER

**Collection Date:** 07/24/2023 15:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:15	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-013  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW13  
**Collection Date:** 07/31/2023 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:15	R336425



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-014

**Client Sample ID:** APW14

**Matrix:** GROUNDWATER

**Collection Date:** 07/31/2023 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:16	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-015  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW15  
**Collection Date:** 08/01/2023 8:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:16	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-016

**Client Sample ID:** APW16

**Matrix:** GROUNDWATER

**Collection Date:** 07/31/2023 15:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:16	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-017  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW17  
**Collection Date:** 07/25/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:16	R336425





# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-018  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW18  
**Collection Date:** 07/25/2023 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:16	R336425



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-019

**Client Sample ID:** XPW01

**Matrix:** GROUNDWATER

**Collection Date:** 07/24/2023 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:16	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-020  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** XPW02  
**Collection Date:** 07/24/2023 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:16	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-021  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** XPW03  
**Collection Date:** 07/26/2023 14:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:06	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-022  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** XPW04  
**Collection Date:** 07/24/2023 13:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:07	R336425



## Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

**Lab ID:** 23070390-023

**Client Sample ID:** Field Blank

**Matrix:** GROUNDWATER

**Collection Date:** 08/01/2023 15:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	08/18/2023 13:07	R336425



# Laboratory Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-025  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW02 (resample)  
**Collection Date:** 08/17/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	09/07/2023 11:36	R336425



# Laboratory Results

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3  
**Lab ID:** 23070390-026  
**Matrix:** GROUNDWATER

**Work Order:** 23070390  
**Report Date:** 19-Sep-23  
**Client Sample ID:** APW02 Duplicate (resample)  
**Collection Date:** 08/17/2023 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>SEE ATTACHED FOR SUBCONTRACTING ANALYSIS</b>									
Subcontracted Analysis	*	0	0		See Attached		1	09/07/2023 11:36	R336425





## Sample Summary

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

**Client:** Ramboll  
**Client Project:** NEW-23Q3

**Work Order:** 23070390  
**Report Date:** 19-Sep-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23070390-001	APW02	Groundwater	1	07/25/2023 11:45
23070390-002	APW03	Groundwater	1	07/31/2023 13:47
23070390-003	APW04	Groundwater	1	07/31/2023 11:53
23070390-004	APW05	Groundwater	1	07/24/2023 13:52
23070390-005	APW05S	Groundwater	1	07/25/2023 12:53
23070390-006	APW06	Groundwater	1	07/25/2023 12:22
23070390-007	APW07	Groundwater	1	07/25/2023 10:10
23070390-008	APW08	Groundwater	1	07/31/2023 15:09
23070390-009	APW09	Groundwater	1	07/31/2023 13:32
23070390-010	APW10	Groundwater	1	07/31/2023 11:26
23070390-011	APW11	Groundwater	1	07/24/2023 14:53
23070390-012	APW12	Groundwater	1	07/24/2023 15:23
23070390-013	APW13	Groundwater	1	07/31/2023 12:14
23070390-014	APW14	Groundwater	1	07/31/2023 12:33
23070390-015	APW15	Groundwater	1	08/01/2023 8:39
23070390-016	APW16	Groundwater	1	07/31/2023 15:37
23070390-017	APW17	Groundwater	1	07/25/2023 10:36
23070390-018	APW18	Groundwater	1	07/25/2023 9:42
23070390-019	XPW01	Groundwater	1	07/24/2023 12:30
23070390-020	XPW02	Groundwater	1	07/24/2023 11:30
23070390-021	XPW03	Groundwater	1	07/26/2023 14:33
23070390-022	XPW04	Groundwater	1	07/24/2023 13:00
23070390-023	Field Blank	Groundwater	1	08/01/2023 15:09
23070390-024	APW02 Duplicate	Groundwater	1	07/25/2023 11:45
23070390-025	APW02 (resample)	Groundwater	1	08/17/2023 11:23
23070390-026	APW02 Duplicate (resample)	Groundwater	1	08/17/2023 11:23



## Dates Report

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
23070390-002A	APW03	07/31/2023 13:47	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:09
23070390-003A	APW04	07/31/2023 11:53	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:09
23070390-004A	APW05	07/24/2023 13:52	07/25/2023 8:40		
	See Attached for Subcontracting Analysis				08/18/2023 13:11
23070390-005A	APW05S	07/25/2023 12:53	07/26/2023 8:15		
	See Attached for Subcontracting Analysis				08/18/2023 13:11
23070390-006A	APW06	07/25/2023 12:22	07/26/2023 8:15		
	See Attached for Subcontracting Analysis				08/18/2023 13:11
23070390-007A	APW07	07/25/2023 10:10	07/26/2023 8:15		
	See Attached for Subcontracting Analysis				08/18/2023 13:11
23070390-008A	APW08	07/31/2023 15:09	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:11
23070390-009A	APW09	07/31/2023 13:32	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:11
23070390-010A	APW10	07/31/2023 11:26	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:11
23070390-011A	APW11	07/24/2023 14:53	07/25/2023 8:40		
	See Attached for Subcontracting Analysis				08/18/2023 13:12
23070390-012A	APW12	07/24/2023 15:23	07/25/2023 8:40		
	See Attached for Subcontracting Analysis				08/18/2023 13:15
23070390-013A	APW13	07/31/2023 12:14	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:15
23070390-014A	APW14	07/31/2023 12:33	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:16
23070390-015A	APW15	08/01/2023 8:39	08/02/2023 10:00		
	See Attached for Subcontracting Analysis				08/18/2023 13:16
23070390-016A	APW16	07/31/2023 15:37	08/01/2023 8:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:16
23070390-017A	APW17	07/25/2023 10:36	07/26/2023 8:15		
	See Attached for Subcontracting Analysis				08/18/2023 13:16
23070390-018A	APW18	07/25/2023 9:42	07/26/2023 8:15		
	See Attached for Subcontracting Analysis				08/18/2023 13:16
23070390-019A	XPW01	07/24/2023 12:30	07/25/2023 8:40		



## Dates Report

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

**Client:** Ramboll

**Work Order:** 23070390

**Client Project:** NEW-23Q3

**Report Date:** 19-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	See Attached for Subcontracting Analysis				08/18/2023 13:16
23070390-020A	XPW02	07/24/2023 11:30	07/25/2023 8:40		
	See Attached for Subcontracting Analysis				08/18/2023 13:16
23070390-021A	XPW03	07/26/2023 14:33	07/26/2023 18:05		
	See Attached for Subcontracting Analysis				08/18/2023 13:06
23070390-022A	XPW04	07/24/2023 13:00	07/25/2023 8:40		
	See Attached for Subcontracting Analysis				08/18/2023 13:07
23070390-023A	Field Blank	08/01/2023 15:09	08/02/2023 10:00		
	See Attached for Subcontracting Analysis				08/18/2023 13:07
23070390-025A	APW02 (resample)	08/17/2023 11:23	08/17/2023 14:00		
	See Attached for Subcontracting Analysis				09/07/2023 11:36
23070390-026A	APW02 Duplicate (resample)	08/17/2023 11:23	08/17/2023 14:00		
	See Attached for Subcontracting Analysis				09/07/2023 11:36



# Receiving Check List

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

Client: Ramboll

Work Order: 23070390

Client Project: NEW-23Q3

Report Date: 19-Sep-23

Carrier: Skylar Mathis

Received By: ANC

Completed by:

*Amber Dilallo*

Reviewed by:

*Ellie Hopkins*

On:

02-Aug-23

Amber Dilallo

On:

02-Aug-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C <b>3.8</b>
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

*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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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

pH strip #90719. - CET/acolin - 7/25/2023 10:35:24 AM

Additional HNO3 (90404) was needed in APW12, XPWO1, & XPWO4 upon arrival at the laboratory. XPWO1 did not reach the desired pH range. - CET/acolin - 7/25/2023 10:35:27 AM

Additional HNO3(90404) was needed in XPWO3 upon arrival at the laboratory. - acolin - 7/27/2023 8:31:58 AM

Samples collected on 7/26/23 were delivered to the laboratory on 7/26/23 at 1805 (on ice - 8.4C - LTG#5). pH strip #90719. - ANC/ERH 7/27/23

Samples collected on 7/31/23 were delivered to the laboratory on 7/31/23 at 0805 (on ice - 5.8C - LTG#1). pH strip #90719. - CET/ERH 7/27/23

Samples collected on 8/1/23 were delivered to the laboratory on 8/2/23 at 1000 (on ice - 3.4C - LTG#1). pH strip #90719. - CET/ERH 7/27/23

Additional Nitric Acid (92447) was needed in APW02 and APW02 Duplicate upon arrival at the laboratory. - amberdilallo - 8/17/2023 3:35:43 PM

pH strip #90719. - amberdilallo - 8/17/2023 3:36:10 PM

Samples collected on 8/17/23 were delivered to the laboratory on 8/17/23 at 1400 (on ice - 1.2C - LTG#1). pH strip #90719. - AMD/ERH 7/27/23



23070390  
NEW-845-501

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

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

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Address: <b>see Section A</b>		NPDES <b>GROUND WATER</b> <b>DRINKING WATER</b>		
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Quote Reference:		UST <b>RCRA</b> <b>OTHER</b>		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Project Manager:		Site Location		
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Profile #:		STATE: <b>IL</b>		

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE 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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Methanol					Other
1	MW48S																	N/A		
2	R216																			
3	R217D																			
4	R219																			
5	SG02																			
6	XPW01				7-27-23	1230	2	2										23070390-09		
7	XPW02				7-27-23	1130	1	1										020		
8	XPW03						1	1										021		
9	XPW04				7-27-23	1300	1	1										022		
10	XSG01																	N/A		
11	Field Blank						2	2										023		
12	APW02 Duplicate						2	2										024		
13	A213 Duplicate																	N/A		
14	G104 Duplicate																	N/A		
15																				
16																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<b>NEW-23Q3 Rev 0</b>	<i>J. Cole</i>	7-27-23		<i>Justin Cole</i>	7/24/23	1700	
	<i>Justin Cole</i>	7/25/23	0840	<i>Justin Cole</i>	7/25	840	38 Y

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 Cole</i>				
SIGNATURE of SAMPLER:	<i>Justin Cole</i>	DATE Signed (MM/DD/YY):	7-24-23		

WUI  
AWAOTR. added HNO3 to 01 and 04. 01 didn't preserve.  
434 7-25-23



# CHAIN-OF-CUSTODY / Analytical Request Document

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

ATTACHMENT B.  
845 QUARTERLY REPORT, QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND  
NEW-845-501

Page: **2** of **7**

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice information:		<b>REGULATORY AGENCY</b>		
Company: <b>Vistra Corp</b>		Report To: <b>Brian Voelker</b>		Attention: <b>Jason Stuckey</b>		NPDES    GROUND WATER    DRINKING WATER		
Address: <b>13498 E. 900th St</b>		Copy To: <b>Jason Stuckey</b>		Company Name: <b>Vistra Corp</b>				
Email To: <b>Brian.Voelker@VistraCorp.com</b>		Purchase Order No.:		Address: <b>see Section A</b>		UST    RCRA    OTHER		
Phone: <b>(217) 753-8911</b> Fax:		Project Name:		Quote Reference:		Site Location		IL
Requested Due Date/TAT: <b>10 day</b>		Project Number: <b>2285</b>		Project Manager:				
				Profile #:				

ITEM #	Section D Required Client Information  <b>SAMPLE ID</b> (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT TISSUE 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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					
1	APW13							2	✓												23070390-013
2	APW14							1	✓												014
3	APW15							4	✓												015
4	APW16							11/1/20	✓												016
5	APW17				7-25-23	1036		↓	✓												017
6	APW18				7-25-23	0942		↓	✓												018
7	G06D									✓											N/A
8	G104																				
9	G104D																				
10	G104S																				
11	G105																				
12	G106																				
13	G108																				
14	G109																				
15	G110																				
16	G111																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
<b>NEW-23Q3 Rev 0</b>	<i>J. Gelp</i>	7-25		<i>Justin Gelp</i>	7/25				
	<i>Justin Gelp</i>	7/26	0815	<i>Jason Colm</i>	7/26	815			

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 Gelp</i>				
SIGNATURE of SAMPLER:	<i>Justin Gelp</i>				
DATE Signed (MM/DD/YY):		7-25-23			

















































# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 9/15/2023 5:22:13 PM

## JOB DESCRIPTION

Radium-226 and Radium-228  
SDG NUMBER 23070390

## JOB NUMBER

160-50934-1

# 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  
9/15/2023 5:22:13 PM

Authorized for release by  
Jayna Awalt, Project Manager II  
[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)  
(314)298-8566



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# Case Narrative

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND

Job ID: 160-50934-1  
NEW-845-160  
SDG: 23070390

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

**Job ID: 160-50934-1**

**Laboratory: Eurofins St. Louis**

## Narrative

### Job Narrative 160-50934-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/18/2023 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved. The temperatures of the 4 coolers at receipt time were 6.0° C, 17.6° C, 17.7° C and 17.7° C.

#### RAD

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.

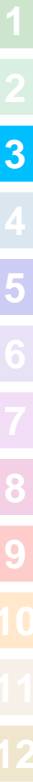
#### Method 904.0: Radium-228

The detection goal was not met for the following sample(s). Samples were prepped at a reduced volume due to the presence of matrix interferences: 23070390-007 (160-50934-7), 23070390-011 (160-50934-11), 23070390-015 (160-50934-15) and 23070390-019 (160-50934-19). Analytical results are reported with the detection limit achieved.

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: 23070390-022 (160-50934-22). Analytical results are reported with the detection limit achieved.

The Ra-228 laboratory control sample (LCS) associated with the following samples recovered at 129%: (LCS 160-624957/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (63-154%) per method requirements. The LCS is within criteria and no further action is required.

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



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## Jayna Awalt

---

**From:** Elizabeth A. Hurley <EHurley@TekLabInc.com>  
**Sent:** Friday, August 18, 2023 8:00 AM  
**To:** Jayna Awalt  
**Subject:** RE: Teklab WO# 23071340

**Categories:** Waiting on response

EXTERNAL EMAIL\*

A quick follow-up... Once you receive the resample containers for 23070390 and 23071340, please cancel/do not report 23070390-001, 23070390-024, and 23071340-031. The resamples are replacing these. I understand that analyses have already been started and expect to be billed for them despite the cancellation for reporting.

I apologize for the inconvenience that this is causing.

Thanks, again!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Phone: (618) 344-1004 Ext. 33  
Cell: (618) 791-8119  
Fax: (618) 344-1005  
E-mail: [ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)  
[www.teklabinc.com](http://www.teklabinc.com)

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---

**From:** Elizabeth A. Hurley  
**Sent:** Thursday, August 17, 2023 5:34 PM

**To:** 'Jayna Awalt' <Jayna.Awalt@et.eurofinsus.com>  
**Subject:** RE: Teklab WO# 23071340

Thanks for the note, Jayna. It sounds like they might have gotten left behind but will be delivered tomorrow (Friday) with the 23070390 resamples.

Have a great day!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Phone: (618) 344-1004 Ext. 33  
Cell: (618) 791-8119  
Fax: (618) 344-1005  
E-mail: [ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)  
[www.teklabinc.com](http://www.teklabinc.com)

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---

**From:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Sent:** Thursday, August 17, 2023 5:16 PM  
**To:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Cc:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Subject:** RE: Teklab WO# 23071340  
**Importance:** High

We still have not received this re-sample. Can you let me know when it is coming?

Also, we are not typically here after 5pm. I know 6 coolers got dropped off yesterday evening at 530pm. Someone happened to be here but just FYI typically they are not.

Thanks,

**Jayna K. Awalt**  
Senior Project Manager  
Eurofins TestAmerica St. Louis

Phone: 314-298-8566  
Direct: 314-787-8277

E-mail: [Jayna.Awalt@ET.EurofinsUS.com](mailto:Jayna.Awalt@ET.EurofinsUS.com)

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**From:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Sent:** Tuesday, August 15, 2023 10:41 AM  
**To:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Subject:** RE: Teklab WO# 23071340

EXTERNAL EMAIL\*

Understood, Jayna. Thanks so much for your help. Hopefully, this is the only time we have to do this type of resampling.

Have a great day!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Phone: (618) 344-1004 Ext. 33  
Cell: (618) 791-8119  
Fax: (618) 344-1005  
E-mail: [ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)  
[www.teklabinc.com](http://www.teklabinc.com)

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---

**From:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Sent:** Tuesday, August 15, 2023 10:33 AM  
**To:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Subject:** RE: Teklab WO# 23071340

Good morning Elizabeth,

I can have that sample added to SDG 160-51003 with the other 23071340 WO samples. This will create a new job start date and once received we will restart the 20 BD TAT.

Thanks,

**Jayna K. Awalt**  
Senior Project Manager  
Eurofins TestAmerica St. Louis

Phone: 314-298-8566  
Direct: 314-787-8277

E-mail: [Jayna.Awalt@ET.EurofinsUS.com](mailto:Jayna.Awalt@ET.EurofinsUS.com)

---

**From:** Elizabeth A. Hurley <[EHurley@TekLabInc.com](mailto:EHurley@TekLabInc.com)>  
**Sent:** Tuesday, August 15, 2023 7:55 AM  
**To:** Jayna Awalt <[Jayna.Awalt@et.eurofinsus.com](mailto:Jayna.Awalt@et.eurofinsus.com)>  
**Subject:** Teklab WO# 23071340

EXTERNAL EMAIL\*

Good morning, Jayna,

Teklab is required to resample at one location for WO# 23071340 and keep it on the original WO# for final reporting. We'll be delivering 23071340-045 to Eurofins-STL tomorrow or Thursday. Please include it with the original WO# and invoice. The fastest TAT available is requested in order to help expedite final reporting. We understand the constraints of the analytical process.

Thanks.

Have a great day!

Elizabeth Hurley  
Director of Customer Service



Teklab, Inc.  
5445 Horseshoe Lake Road  
Collinsville, IL 62234  
Phone: (618) 344-1004 Ext. 33  
Cell: (618) 791-8119  
Fax: (618) 344-1005  
E-mail: [ehurley@teklabinc.com](mailto:ehurley@teklabinc.com)  
[www.teklabinc.com](http://www.teklabinc.com)

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Pg \_\_\_ of \_\_\_

**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

Cooler Temp:  Sampler:  QC Level:

**Teklab Inc**  
5445 Horseshoe Lake Road  
Collinsville, IL 62234

Project#

Contact: Elizabeth Hurley Email: [ehurley@teklabinc.com](mailto:ehurley@teklabinc.com) Phone:   
Standad TAT Billing/PO:

Comments: **Please issue reports and invoices via email only**  
Please analyze for Radium 22/228 per standard GW methods.  
Changes to methods must be approved by Teklab, Inc.  
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

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
	23070390-025	8/17/23 11:23	HNO3	Groundwater
	23070390-026	8/17/23 11:23	HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater



Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>	8/17/23 11:23	<i>Sam Wampler</i>	8/18/23 1:00
			8/18/23 1430

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)



Pg. \_\_\_\_\_ of \_\_\_\_\_

**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: Justin Colp

QC Level:

Comments: **Please issue reports and invoices via email only**  
Please analyze for Radium 22/228 per standard GW methods.  
Changes to methods must be approved by Teklab, Inc.  
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project#: 23070390  
Contact: Elizabeth Hurley  
Requested Due Date: Standad TAT  
Email: ehurley@teklabinc.com  
Billing/PO: 34812

Phone: 618 344-1004 ext. 33

**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	Chain of Custody
	23070390-001	7/25/23 11:45	HNO3	Groundwater	<input type="checkbox"/>
	23070390-002	7/31/23 13:47	HNO3	Groundwater	<input type="checkbox"/>
	23070390-003	7/31/23 11:53	HNO3	Groundwater	<input type="checkbox"/>
	23070390-004	7/24/23 13:52	HNO3	Groundwater	<input type="checkbox"/>
	23070390-005	7/25/23 12:53	HNO3	Groundwater	<input type="checkbox"/>
	23070390-006	7/25/23 12:22	HNO3	Groundwater	<input type="checkbox"/>
	23070390-007	7/25/23 10:10	HNO3	Groundwater	<input type="checkbox"/>
	23070390-008	7/31/23 15:09	HNO3	Groundwater	<input type="checkbox"/>
	23070390-009	7/31/23 13:32	HNO3	Groundwater	<input type="checkbox"/>
	23070390-010	7/31/23 11:26	HNO3	Groundwater	<input type="checkbox"/>
	23070390-011	7/24/23 14:53	HNO3	Groundwater	<input type="checkbox"/>



\*Relinquished By

*Justin Colp*

Date/Time: 8/3/23 12:51

Received By

*Mel S Thompson (Business Manager)*

Date/Time: 08/03/23 12:05

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: 160-50934-1

SDG Number: 23070390

**Login Number: 50934**

**List Number: 1**

**Creator: Sharkey-Gonzalez, Briana 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	Rec samples 025 and 026 on 8/18 at 1440 added to current job per client request
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
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	Preserved upon rec
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").	True	
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

## 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

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

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

### Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

### Laboratory References:

- EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



# Sample Summary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND

Lab ID: 160-50934-1  
SDG: 23070390

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-50934-2	23070390-002	Water	07/31/23 13:47	08/18/23 14:30
160-50934-3	23070390-003	Water	07/31/23 11:53	08/18/23 14:30
160-50934-4	23070390-004	Water	07/24/23 13:52	08/18/23 14:30
160-50934-5	23070390-005	Water	07/25/23 12:53	08/18/23 14:30
160-50934-6	23070390-006	Water	07/25/23 12:22	08/18/23 14:30
160-50934-7	23070390-007	Water	07/25/23 10:10	08/18/23 14:30
160-50934-8	23070390-008	Water	07/31/23 15:09	08/18/23 14:30
160-50934-9	23070390-009	Water	07/31/23 13:32	08/18/23 14:30
160-50934-10	23070390-010	Water	07/31/23 11:26	08/18/23 14:30
160-50934-11	23070390-011	Water	07/24/23 14:53	08/18/23 14:30
160-50934-12	23070390-012	Water	07/24/23 15:23	08/18/23 14:30
160-50934-13	23070390-013	Water	07/31/23 12:14	08/18/23 14:30
160-50934-14	23070390-014	Water	07/31/23 12:33	08/18/23 14:30
160-50934-15	23070390-015	Water	08/01/23 08:39	08/18/23 14:30
160-50934-16	23070390-016	Water	07/31/23 15:37	08/18/23 14:30
160-50934-17	23070390-017	Water	07/25/23 10:36	08/18/23 14:30
160-50934-18	23070390-018	Water	07/25/23 09:42	08/18/23 14:30
160-50934-19	23070390-019	Water	07/24/23 12:30	08/18/23 14:30
160-50934-20	23070390-020	Water	07/24/23 11:30	08/18/23 14:30
160-50934-21	23070390-021	Water	07/26/23 14:33	08/18/23 14:30
160-50934-22	23070390-022	Water	07/24/23 13:00	08/18/23 14:30
160-50934-23	23070390-023	Water	08/01/23 15:09	08/18/23 14:30
160-50934-25	23070390-025	Water	08/17/23 11:23	08/18/23 14:30
160-50934-26	23070390-026	Water	08/17/23 11:23	08/18/23 14:30



# Client Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

**Client Sample ID: 23070390-002**

**Lab Sample ID: 160-50934-2**

Date Collected: 07/31/23 13:47

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.0473	U	0.0671	0.0672	1.00	0.114	pCi/L	08/07/23 10:16	08/30/23 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					08/07/23 10:16	08/30/23 15:19	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	0.650		0.425	0.429	1.00	0.631	pCi/L	08/07/23 10:19	08/18/23 13:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					08/07/23 10:19	08/18/23 13:09	1
Y Carrier	84.5		30 - 110					08/07/23 10:19	08/18/23 13:09	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	0.698		0.430	0.434	5.00	0.631	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-003**

**Lab Sample ID: 160-50934-3**

Date Collected: 07/31/23 11:53

Matrix: Water

Date Received: 08/18/23 14:30

**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	-0.0165	U	0.0415	0.0415	1.00	0.109	pCi/L	08/07/23 10:16	08/30/23 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/07/23 10:16	08/30/23 15:19	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	0.481	U	0.468	0.470	1.00	0.749	pCi/L	08/07/23 10:19	08/18/23 13:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/07/23 10:19	08/18/23 13:09	1
Y Carrier	84.5		30 - 110					08/07/23 10:19	08/18/23 13:09	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	0.481	U	0.470	0.472	5.00	0.749	pCi/L		09/14/23 17:06	1

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# Client Sample Results

245 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
 SDG: 23070390

**Client Sample ID: 23070390-004**

**Lab Sample ID: 160-50934-4**

Date Collected: 07/24/23 13:52

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.211		0.0902	0.0922	1.00	0.0969	pCi/L	08/07/23 10:16	08/30/23 15:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/07/23 10:16	08/30/23 15:24	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	0.0336	U	0.282	0.282	1.00	0.522	pCi/L	08/07/23 10:19	08/18/23 13:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/07/23 10:19	08/18/23 13:11	1
Y Carrier	87.9		30 - 110					08/07/23 10:19	08/18/23 13:11	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	0.245	U	0.296	0.297	5.00	0.522	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-005**

**Lab Sample ID: 160-50934-5**

Date Collected: 07/25/23 12:53

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.167		0.116	0.117	1.00	0.166	pCi/L	08/07/23 10:16	08/30/23 15:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		30 - 110					08/07/23 10:16	08/30/23 15:24	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	0.297	U	0.420	0.421	1.00	0.706	pCi/L	08/07/23 10:19	08/18/23 13:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		30 - 110					08/07/23 10:19	08/18/23 13:11	1
Y Carrier	93.8		30 - 110					08/07/23 10:19	08/18/23 13:11	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	0.464	U	0.436	0.437	5.00	0.706	pCi/L		09/14/23 17:06	1



# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

**Client Sample ID: 23070390-006**

**Lab Sample ID: 160-50934-6**

Date Collected: 07/25/23 12:22

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.249		0.127	0.129	1.00	0.160	pCi/L	08/07/23 10:16	08/30/23 15:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					08/07/23 10:16	08/30/23 15:24	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	0.867		0.459	0.465	1.00	0.618	pCi/L	08/07/23 10:19	08/18/23 13:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					08/07/23 10:19	08/18/23 13:11	1
Y Carrier	86.4		30 - 110					08/07/23 10:19	08/18/23 13:11	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	1.12		0.476	0.483	5.00	0.618	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-007**

**Lab Sample ID: 160-50934-7**

Date Collected: 07/25/23 10:10

Matrix: Water

Date Received: 08/18/23 14:30

**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	1.32		0.288	0.311	1.00	0.213	pCi/L	08/07/23 10:16	08/30/23 15:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.8		30 - 110					08/07/23 10:16	08/30/23 15:24	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	1.72	G	0.846	0.860	1.00	1.18	pCi/L	08/07/23 10:19	08/18/23 13:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.8		30 - 110					08/07/23 10:19	08/18/23 13:11	1
Y Carrier	85.2		30 - 110					08/07/23 10:19	08/18/23 13:11	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	3.03		0.894	0.915	5.00	1.18	pCi/L		09/14/23 17:06	1

Eurofins St. Louis

# Client Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

**Client Sample ID: 23070390-008**

**Lab Sample ID: 160-50934-8**

Date Collected: 07/31/23 15:09

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.571		0.152	0.160	1.00	0.110	pCi/L	08/07/23 10:16	08/30/23 15:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					08/07/23 10:16	08/30/23 15:24	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	0.208	U	0.395	0.395	1.00	0.685	pCi/L	08/07/23 10:19	08/18/23 13:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					08/07/23 10:19	08/18/23 13:11	1
Y Carrier	84.1		30 - 110					08/07/23 10:19	08/18/23 13:11	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	0.779		0.423	0.426	5.00	0.685	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-009**

**Lab Sample ID: 160-50934-9**

Date Collected: 07/31/23 13:32

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.727		0.179	0.191	1.00	0.130	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.843		0.486	0.492	1.00	0.690	pCi/L	08/07/23 10:19	08/18/23 13:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					08/07/23 10:19	08/18/23 13:11	1
Y Carrier	85.6		30 - 110					08/07/23 10:19	08/18/23 13:11	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	1.57		0.518	0.528	5.00	0.690	pCi/L		09/14/23 17:06	1

# Client Sample Results

945 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
 SDG: 23070390

**Client Sample ID: 23070390-010**

**Lab Sample ID: 160-50934-10**

Date Collected: 07/31/23 11:26

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.0849	U	0.0663	0.0667	1.00	0.0940	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.503	U	0.359	0.362	1.00	0.538	pCi/L	08/07/23 10:19	08/18/23 13:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					08/07/23 10:19	08/18/23 13:11	1
Y Carrier	83.0		30 - 110					08/07/23 10:19	08/18/23 13:11	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		0.365	0.368	5.00	0.538	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-011**

**Lab Sample ID: 160-50934-11**

Date Collected: 07/24/23 14:53

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.505		0.195	0.201	1.00	0.195	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/07/23 10:16	08/30/23 15:23	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	1.46	G	0.771	0.782	1.00	1.07	pCi/L	08/07/23 10:19	08/18/23 13:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/07/23 10:19	08/18/23 13:12	1
Y Carrier	86.7		30 - 110					08/07/23 10:19	08/18/23 13:12	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	1.96		0.795	0.807	5.00	1.07	pCi/L		09/14/23 17:06	1

# Client Sample Results

845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
 SDG: 23070390

**Client Sample ID: 23070390-012**

**Lab Sample ID: 160-50934-12**

Date Collected: 07/24/23 15:23

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.0778	0.0779	1.00	0.141	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.417	U	0.394	0.396	1.00	0.629	pCi/L	08/07/23 10:19	08/18/23 13:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					08/07/23 10:19	08/18/23 13:15	1
Y Carrier	85.6		30 - 110					08/07/23 10:19	08/18/23 13:15	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	0.450	U	0.402	0.404	5.00	0.629	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-013**

**Lab Sample ID: 160-50934-13**

Date Collected: 07/31/23 12:14

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.116		0.0823	0.0830	1.00	0.115	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.426	U	0.441	0.443	1.00	0.715	pCi/L	08/07/23 10:19	08/18/23 13:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					08/07/23 10:19	08/18/23 13:15	1
Y Carrier	87.5		30 - 110					08/07/23 10:19	08/18/23 13:15	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	0.542	U	0.449	0.451	5.00	0.715	pCi/L		09/14/23 17:06	1

# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

**Client Sample ID: 23070390-014**

**Lab Sample ID: 160-50934-14**

Date Collected: 07/31/23 12:33

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.243		0.0997	0.102	1.00	0.105	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.383	U	0.406	0.407	1.00	0.660	pCi/L	08/07/23 10:19	08/18/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					08/07/23 10:19	08/18/23 13:16	1
Y Carrier	86.4		30 - 110					08/07/23 10:19	08/18/23 13:16	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	0.627	U	0.418	0.420	5.00	0.660	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-015**

**Lab Sample ID: 160-50934-15**

Date Collected: 08/01/23 08:39

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.920		0.278	0.290	1.00	0.255	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.0		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.902	U G	0.900	0.904	1.00	1.45	pCi/L	08/07/23 10:19	08/18/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.0		30 - 110					08/07/23 10:19	08/18/23 13:16	1
Y Carrier	87.1		30 - 110					08/07/23 10:19	08/18/23 13:16	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	1.82		0.942	0.949	5.00	1.45	pCi/L		09/14/23 17:06	1

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# Client Sample Results

945 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
 SDG: 23070390

**Client Sample ID: 23070390-016**

**Lab Sample ID: 160-50934-16**

Date Collected: 07/31/23 15:37

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.652		0.183	0.193	1.00	0.174	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		30 - 110					08/07/23 10:16	08/30/23 15:23	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	1.09		0.529	0.539	1.00	0.729	pCi/L	08/07/23 10:19	08/18/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		30 - 110					08/07/23 10:19	08/18/23 13:16	1
Y Carrier	87.5		30 - 110					08/07/23 10:19	08/18/23 13:16	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	1.74		0.560	0.573	5.00	0.729	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-017**

**Lab Sample ID: 160-50934-17**

Date Collected: 07/25/23 10:36

Matrix: Water

Date Received: 08/18/23 14:30

**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	1.03		0.189	0.211	1.00	0.131	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.890		0.440	0.448	1.00	0.600	pCi/L	08/07/23 10:19	08/18/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/07/23 10:19	08/18/23 13:16	1
Y Carrier	85.2		30 - 110					08/07/23 10:19	08/18/23 13:16	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	1.92		0.479	0.495	5.00	0.600	pCi/L		09/14/23 17:06	1

# Client Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

**Client Sample ID: 23070390-018**

**Lab Sample ID: 160-50934-18**

Date Collected: 07/25/23 09:42

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.668		0.180	0.190	1.00	0.163	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/07/23 10:16	08/30/23 15:23	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	1.56		0.654	0.670	1.00	0.872	pCi/L	08/07/23 10:19	08/18/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/07/23 10:19	08/18/23 13:16	1
Y Carrier	84.5		30 - 110					08/07/23 10:19	08/18/23 13:16	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	2.23		0.678	0.696	5.00	0.872	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-019**

**Lab Sample ID: 160-50934-19**

Date Collected: 07/24/23 12:30

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.0350	U	0.104	0.104	1.00	0.196	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					08/07/23 10:16	08/30/23 15:23	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	-0.0220	U G	0.698	0.698	1.00	1.28	pCi/L	08/07/23 10:19	08/18/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					08/07/23 10:19	08/18/23 13:16	1
Y Carrier	82.2		30 - 110					08/07/23 10:19	08/18/23 13:16	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	0.0350	U	0.706	0.706	5.00	1.28	pCi/L		09/14/23 17:06	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

**Client Sample ID: 23070390-020**

**Lab Sample ID: 160-50934-20**

Date Collected: 07/24/23 11:30

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.163		0.109	0.110	1.00	0.150	pCi/L	08/07/23 10:16	08/30/23 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					08/07/23 10:16	08/30/23 15:23	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	0.763	U	0.634	0.638	1.00	1.00	pCi/L	08/07/23 10:19	08/18/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					08/07/23 10:19	08/18/23 13:16	1
Y Carrier	84.9		30 - 110					08/07/23 10:19	08/18/23 13:16	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	0.926	U	0.643	0.647	5.00	1.00	pCi/L		09/14/23 17:06	1

**Client Sample ID: 23070390-021**

**Lab Sample ID: 160-50934-21**

Date Collected: 07/26/23 14:33

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.0964	U	0.0952	0.0956	1.00	0.149	pCi/L	08/07/23 11:21	08/29/23 16:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.9		30 - 110					08/07/23 11:21	08/29/23 16:14	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	0.379	0.379	1.00	0.783	pCi/L	08/07/23 11:24	08/18/23 13:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.9		30 - 110					08/07/23 11:24	08/18/23 13:06	1
Y Carrier	85.2		30 - 110					08/07/23 11:24	08/18/23 13:06	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	0.0964	U	0.391	0.391	5.00	0.783	pCi/L		09/14/23 17:05	1

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# Client Sample Results

ATTACHMENT B.  
 945 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

**Client Sample ID: 23070390-022**

**Lab Sample ID: 160-50934-22**

Date Collected: 07/24/23 13:00

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.387		0.194	0.197	1.00	0.233	pCi/L	08/07/23 11:21	08/29/23 16:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	46.8		30 - 110					08/07/23 11:21	08/29/23 16:14	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	2.99	G	1.10	1.13	1.00	1.28	pCi/L	08/07/23 11:24	08/18/23 13:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	46.8		30 - 110					08/07/23 11:24	08/18/23 13:07	1
Y Carrier	80.4		30 - 110					08/07/23 11:24	08/18/23 13:07	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	3.38		1.12	1.15	5.00	1.28	pCi/L		09/14/23 17:05	1

**Client Sample ID: 23070390-023**

**Lab Sample ID: 160-50934-23**

Date Collected: 08/01/23 15:09

Matrix: Water

Date Received: 08/18/23 14:30

**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	-0.00154	U	0.0665	0.0665	1.00	0.133	pCi/L	08/07/23 11:21	08/29/23 16:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					08/07/23 11:21	08/29/23 16:14	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	0.314	U	0.382	0.383	1.00	0.632	pCi/L	08/07/23 11:24	08/18/23 13:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					08/07/23 11:24	08/18/23 13:07	1
Y Carrier	83.0		30 - 110					08/07/23 11:24	08/18/23 13:07	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	0.314	U	0.388	0.389	5.00	0.632	pCi/L		09/14/23 17:05	1

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# Client Sample Results

945 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
 SDG: 23070390

**Client Sample ID: 23070390-025**

**Lab Sample ID: 160-50934-25**

Date Collected: 08/17/23 11:23

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.251		0.131	0.133	1.00	0.159	pCi/L	08/22/23 09:49	09/13/23 07:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					08/22/23 09:49	09/13/23 07:24	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	0.952		0.524	0.531	1.00	0.745	pCi/L	08/22/23 09:53	09/07/23 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					08/22/23 09:53	09/07/23 11:36	1
Y Carrier	83.7		30 - 110					08/22/23 09:53	09/07/23 11:36	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	1.20		0.540	0.547	5.00	0.745	pCi/L		09/15/23 15:50	1

**Client Sample ID: 23070390-026**

**Lab Sample ID: 160-50934-26**

Date Collected: 08/17/23 11:23

Matrix: Water

Date Received: 08/18/23 14:30

**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	0.122	U	0.103	0.103	1.00	0.152	pCi/L	08/22/23 09:49	09/13/23 07:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					08/22/23 09:49	09/13/23 07:24	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	2.52		0.667	0.706	1.00	0.751	pCi/L	08/22/23 09:53	09/07/23 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					08/22/23 09:53	09/07/23 11:36	1
Y Carrier	85.2		30 - 110					08/22/23 09:53	09/07/23 11:36	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	2.64		0.675	0.713	5.00	0.751	pCi/L		09/15/23 15:50	1

# QC Sample Results

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

## Method: 903.0 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-623112/1-A**  
**Matrix: Water**  
**Analysis Batch: 626130**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 623112**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04088	U	0.0507	0.0508	1.00	0.0833	pCi/L	08/07/23 10:16	08/30/23 15:18	1
Carrier	MB		Limits							
Ba Carrier	%Yield	Qualifier	30 - 110							
	94.1									
								Prepared	Analyzed	Dil Fac
								08/07/23 10:16	08/30/23 15:18	1

**Lab Sample ID: LCS 160-623112/2-A**  
**Matrix: Water**  
**Analysis Batch: 626130**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 623112**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	
				Uncert. (2σ+/-)						
Radium-226	11.3	10.77		1.11	1.00	0.0863	pCi/L	95	75 - 125	
Carrier	LCS	LCS								
Ba Carrier	%Yield	Qualifier	Limits							
	88.2		30 - 110							

**Lab Sample ID: LCSD 160-623112/3-A**  
**Matrix: Water**  
**Analysis Batch: 626130**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 623112**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit	
				Uncert. (2σ+/-)								
Radium-226	11.3	9.862		1.03	1.00	0.0897	pCi/L	87	75 - 125	0.42	1	
Carrier	LCSD	LCSD										
Ba Carrier	%Yield	Qualifier	Limits									
	93.4		30 - 110									

**Lab Sample ID: MB 160-623229/1-A**  
**Matrix: Water**  
**Analysis Batch: 625944**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 623229**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.02509	U	0.0526	0.0526	1.00	0.0954	pCi/L	08/07/23 11:21	08/29/23 16:14	1
Carrier	MB		Limits							
Ba Carrier	%Yield	Qualifier	30 - 110							
	92.6									
								Prepared	Analyzed	Dil Fac
								08/07/23 11:21	08/29/23 16:14	1

**Lab Sample ID: LCS 160-623229/2-A**  
**Matrix: Water**  
**Analysis Batch: 625944**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 623229**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.52		1.09	1.00	0.0996	pCi/L	93	75 - 125

# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 NEW-845-30  
 SDG: 23070390

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

## Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-623229/2-A  
 Matrix: Water  
 Analysis Batch: 625944

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623229

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	88.7		30 - 110

Lab Sample ID: LCSD 160-623229/3-A  
 Matrix: Water  
 Analysis Batch: 625944

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 623229

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	11.3	10.17		1.06	1.00	0.107	pCi/L	90	75 - 125	0.16	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	88.2		30 - 110

Lab Sample ID: MB 160-624956/1-A  
 Matrix: Water  
 Analysis Batch: 627936

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 624956

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.006388	U	0.0589	0.0589	1.00	0.125	pCi/L	08/22/23 09:49	09/13/23 07:23	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	68.9		30 - 110	08/22/23 09:49	09/13/23 07:23	1

Lab Sample ID: LCS 160-624956/2-A  
 Matrix: Water  
 Analysis Batch: 627936

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 624956

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.65		1.15	1.00	0.115	pCi/L	94	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	80.2		30 - 110

Lab Sample ID: LCSD 160-624956/3-A  
 Matrix: Water  
 Analysis Batch: 627936

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 624956

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	11.3	11.13		1.20	1.00	0.130	pCi/L	98	75 - 125	0.20	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	76.9		30 - 110

# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

## Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-623113/1-A  
 Matrix: Water  
 Analysis Batch: 624736

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 623113

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1729	U	0.321	0.321	1.00	0.553	pCi/L	08/07/23 10:19	08/18/23 13:08	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	94.1		30 - 110				08/07/23 10:19		08/18/23 13:08	1
Y Carrier	83.0		30 - 110				08/07/23 10:19		08/18/23 13:08	1

Lab Sample ID: LCS 160-623113/2-A  
 Matrix: Water  
 Analysis Batch: 624736

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623113

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	7.95	9.000		1.28	1.00	0.639	pCi/L	113	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	88.2		30 - 110						
Y Carrier	87.1		30 - 110						

Lab Sample ID: LCSD 160-623113/3-A  
 Matrix: Water  
 Analysis Batch: 624736

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 623113

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER
				Uncert. (2σ+/-)							Limit
Radium-228	7.95	8.226		1.20	1.00	0.671	pCi/L	104	75 - 125	0.31	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	93.4		30 - 110								
Y Carrier	85.6		30 - 110								

Lab Sample ID: MB 160-623230/1-A  
 Matrix: Water  
 Analysis Batch: 624736

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 623230

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1059	U	0.288	0.288	1.00	0.514	pCi/L	08/07/23 11:24	08/18/23 13:06	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110				08/07/23 11:24		08/18/23 13:06	1
Y Carrier	82.6		30 - 110				08/07/23 11:24		08/18/23 13:06	1

# QC Sample Results

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 NEW-845-160  
 SDG: 23070390

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

## Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-623230/2-A  
 Matrix: Water  
 Analysis Batch: 624736

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 623230

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									75	125
Radium-228	7.95	8.453		1.25	1.00	0.595	pCi/L	106	75	125
<b>Carrier</b>		<b>LCS %Yield</b>	<b>LCS Qualifier</b>	<b>Limits</b>						
Ba Carrier		88.7		30 - 110						
Y Carrier		78.5		30 - 110						

Lab Sample ID: LCSD 160-623230/3-A  
 Matrix: Water  
 Analysis Batch: 624736

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 623230

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		RER	RER Limit
									75	125	0.18	1
Radium-228	7.95	8.012		1.21	1.00	0.642	pCi/L	101	75	125	0.18	1
<b>Carrier</b>		<b>LCSD %Yield</b>	<b>LCSD Qualifier</b>	<b>Limits</b>								
Ba Carrier		88.2		30 - 110								
Y Carrier		81.9		30 - 110								

Lab Sample ID: MB 160-624957/1-A  
 Matrix: Water  
 Analysis Batch: 627054

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 624957

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								08/22/23 09:53	09/07/23 11:35	09/07/23 11:35	11:35	1
Radium-228	0.7864		0.510	0.515	1.00	0.758	pCi/L	08/22/23 09:53	09/07/23 11:35	09/07/23 11:35	11:35	1
<b>Carrier</b>		<b>MB %Yield</b>	<b>MB Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>		
Ba Carrier		68.9		30 - 110				08/22/23 09:53	09/07/23 11:35	09/07/23 11:35		1
Y Carrier		83.0		30 - 110				08/22/23 09:53	09/07/23 11:35	09/07/23 11:35		1

Lab Sample ID: LCSD 160-624957/3-A  
 Matrix: Water  
 Analysis Batch: 627054

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 624957

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		RER	RER Limit
									75	125	0.52	1
Radium-228	7.90	8.607		1.29	1.00	0.620	pCi/L	109	75	125	0.52	1
<b>Carrier</b>		<b>LCSD %Yield</b>	<b>LCSD Qualifier</b>	<b>Limits</b>								
Ba Carrier		76.9		30 - 110								
Y Carrier		84.5		30 - 110								

# QC Association Summary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
SDG: 23070390

## Rad

### Prep Batch: 623112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-50934-2	23070390-002	Total/NA	Water	PrecSep-21	
160-50934-3	23070390-003	Total/NA	Water	PrecSep-21	
160-50934-4	23070390-004	Total/NA	Water	PrecSep-21	
160-50934-5	23070390-005	Total/NA	Water	PrecSep-21	
160-50934-6	23070390-006	Total/NA	Water	PrecSep-21	
160-50934-7	23070390-007	Total/NA	Water	PrecSep-21	
160-50934-8	23070390-008	Total/NA	Water	PrecSep-21	
160-50934-9	23070390-009	Total/NA	Water	PrecSep-21	
160-50934-10	23070390-010	Total/NA	Water	PrecSep-21	
160-50934-11	23070390-011	Total/NA	Water	PrecSep-21	
160-50934-12	23070390-012	Total/NA	Water	PrecSep-21	
160-50934-13	23070390-013	Total/NA	Water	PrecSep-21	
160-50934-14	23070390-014	Total/NA	Water	PrecSep-21	
160-50934-15	23070390-015	Total/NA	Water	PrecSep-21	
160-50934-16	23070390-016	Total/NA	Water	PrecSep-21	
160-50934-17	23070390-017	Total/NA	Water	PrecSep-21	
160-50934-18	23070390-018	Total/NA	Water	PrecSep-21	
160-50934-19	23070390-019	Total/NA	Water	PrecSep-21	
160-50934-20	23070390-020	Total/NA	Water	PrecSep-21	
MB 160-623112/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-623112/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-623112/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 623113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-50934-2	23070390-002	Total/NA	Water	PrecSep_0	
160-50934-3	23070390-003	Total/NA	Water	PrecSep_0	
160-50934-4	23070390-004	Total/NA	Water	PrecSep_0	
160-50934-5	23070390-005	Total/NA	Water	PrecSep_0	
160-50934-6	23070390-006	Total/NA	Water	PrecSep_0	
160-50934-7	23070390-007	Total/NA	Water	PrecSep_0	
160-50934-8	23070390-008	Total/NA	Water	PrecSep_0	
160-50934-9	23070390-009	Total/NA	Water	PrecSep_0	
160-50934-10	23070390-010	Total/NA	Water	PrecSep_0	
160-50934-11	23070390-011	Total/NA	Water	PrecSep_0	
160-50934-12	23070390-012	Total/NA	Water	PrecSep_0	
160-50934-13	23070390-013	Total/NA	Water	PrecSep_0	
160-50934-14	23070390-014	Total/NA	Water	PrecSep_0	
160-50934-15	23070390-015	Total/NA	Water	PrecSep_0	
160-50934-16	23070390-016	Total/NA	Water	PrecSep_0	
160-50934-17	23070390-017	Total/NA	Water	PrecSep_0	
160-50934-18	23070390-018	Total/NA	Water	PrecSep_0	
160-50934-19	23070390-019	Total/NA	Water	PrecSep_0	
160-50934-20	23070390-020	Total/NA	Water	PrecSep_0	
MB 160-623113/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-623113/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-623113/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

### Prep Batch: 623229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-50934-21	23070390-021	Total/NA	Water	PrecSep-21	

# QC Association Summary

ATTACHMENT B.  
845 QUARTERLY REPORT - QUARTER 3, 2023  
NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
NEW-845-10  
SDG: 23070390

## Rad (Continued)

### Prep Batch: 623229 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-50934-22	23070390-022	Total/NA	Water	PrecSep-21	
160-50934-23	23070390-023	Total/NA	Water	PrecSep-21	
MB 160-623229/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-623229/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-623229/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 623230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-50934-21	23070390-021	Total/NA	Water	PrecSep_0	
160-50934-22	23070390-022	Total/NA	Water	PrecSep_0	
160-50934-23	23070390-023	Total/NA	Water	PrecSep_0	
MB 160-623230/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-623230/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-623230/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

### Prep Batch: 624956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-50934-25	23070390-025	Total/NA	Water	PrecSep-21	
160-50934-26	23070390-026	Total/NA	Water	PrecSep-21	
MB 160-624956/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-624956/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-624956/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 624957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-50934-25	23070390-025	Total/NA	Water	PrecSep_0	
160-50934-26	23070390-026	Total/NA	Water	PrecSep_0	
MB 160-624957/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCSD 160-624957/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	



# Tracer/Carrier Summary

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND  
 Lab ID: 160-50934-1  
 SDG: 23070390

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

## Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
160-50934-2	23070390-002	85.0	
160-50934-3	23070390-003	87.7	
160-50934-4	23070390-004	90.4	
160-50934-5	23070390-005	90.2	
160-50934-6	23070390-006	88.0	
160-50934-7	23070390-007	58.8	
160-50934-8	23070390-008	96.8	
160-50934-9	23070390-009	89.0	
160-50934-10	23070390-010	87.5	
160-50934-11	23070390-011	87.7	
160-50934-12	23070390-012	83.8	
160-50934-13	23070390-013	81.6	
160-50934-14	23070390-014	81.6	
160-50934-15	23070390-015	74.0	
160-50934-16	23070390-016	92.2	
160-50934-17	23070390-017	87.0	
160-50934-18	23070390-018	84.8	
160-50934-19	23070390-019	98.8	
160-50934-20	23070390-020	84.3	
160-50934-21	23070390-021	81.9	
160-50934-22	23070390-022	46.8	
160-50934-23	23070390-023	89.0	
160-50934-25	23070390-025	91.5	
160-50934-26	23070390-026	99.5	
LCS 160-623112/2-A	Lab Control Sample	88.2	
LCS 160-623229/2-A	Lab Control Sample	88.7	
LCS 160-624956/2-A	Lab Control Sample	80.2	
LCSD 160-623112/3-A	Lab Control Sample Dup	93.4	
LCSD 160-623229/3-A	Lab Control Sample Dup	88.2	
LCSD 160-624956/3-A	Lab Control Sample Dup	76.9	
MB 160-623112/1-A	Method Blank	94.1	
MB 160-623229/1-A	Method Blank	92.6	
MB 160-624956/1-A	Method Blank	68.9	

**Tracer/Carrier Legend**  
 Ba = Ba Carrier

## Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
160-50934-2	23070390-002	85.0	84.5
160-50934-3	23070390-003	87.7	84.5
160-50934-4	23070390-004	90.4	87.9
160-50934-5	23070390-005	90.2	93.8
160-50934-6	23070390-006	88.0	86.4
160-50934-7	23070390-007	58.8	85.2
160-50934-8	23070390-008	96.8	84.1

# Tracer/Carrier Summary

ATTACHMENT B.  
 845 QUARTERLY REPORT - QUARTER 3, 2023  
 NEWTON POWER PLANT, PRIMARY ASH POND

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

Lab ID: 160-50934-1  
 SDG: 23070390

**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)
160-50934-9	23070390-009	89.0	85.6
160-50934-10	23070390-010	87.5	83.0
160-50934-11	23070390-011	87.7	86.7
160-50934-12	23070390-012	83.8	85.6
160-50934-13	23070390-013	81.6	87.5
160-50934-14	23070390-014	81.6	86.4
160-50934-15	23070390-015	74.0	87.1
160-50934-16	23070390-016	92.2	87.5
160-50934-17	23070390-017	87.0	85.2
160-50934-18	23070390-018	84.8	84.5
160-50934-19	23070390-019	98.8	82.2
160-50934-20	23070390-020	84.3	84.9
160-50934-21	23070390-021	81.9	85.2
160-50934-22	23070390-022	46.8	80.4
160-50934-23	23070390-023	89.0	83.0
160-50934-25	23070390-025	91.5	83.7
160-50934-26	23070390-026	99.5	85.2
LCS 160-623113/2-A	Lab Control Sample	88.2	87.1
LCS 160-623230/2-A	Lab Control Sample	88.7	78.5
LCSD 160-623113/3-A	Lab Control Sample Dup	93.4	85.6
LCSD 160-623230/3-A	Lab Control Sample Dup	88.2	81.9
LCSD 160-624957/3-A	Lab Control Sample Dup	76.9	84.5
MB 160-623113/1-A	Method Blank	94.1	83.0
MB 160-623230/1-A	Method Blank	92.6	82.6
MB 160-624957/1-A	Method Blank	68.9	83.0

**Tracer/Carrier Legend**

Ba = Ba Carrier  
 Y = Y Carrier



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023													
LIMS Workorder	23070389-116A													
Technician	BG,JC,TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW02 (resample)	8/17/2023	11:17	1117	7.32		17.5	63.5	6.7	8469.5	8469.5	1.48	19.76	85.5	
APW02 (resample)	8/17/2023	11:20	1120	7.32		17.7	63.86	6.71	8465.1	8465.1	1.56	16.35	90.1	
APW02 (resample)	8/17/2023	11:23	1123	7.32		17.5	63.5	6.72	8435.3	8435.3	1.6	17.1	93.4	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-117A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW02 DUP (resample)	8/17/2023	11:17	1117	7.32		17.5	63.5	6.7	8469.5	8469.5	1.48	19.76	85.5	
APW02 DUP (resample)	8/17/2023	11:20	1120	7.32		17.7	63.86	6.71	8465.1	8465.1	1.56	16.35	90.1	
APW02 DUP (resample)	8/17/2023	11:23	1123	7.32		17.5	63.5	6.72	8435.3	8435.3	1.6	17.1	93.4	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023													
LIMS Workorder	23070389-006A													
Technician	BG,JC,TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW03	7/31/2023	13:41	1341	8.47		16.3	61.34	7.15			1.17	12.26	67.8	
APW03	7/31/2023	13:44	1344	8.47		16.7	62.06	6.9			0.85	4.76	66	
APW03	7/31/2023	13:47	1347	8.47		16.5	61.7	6.79			0.75	5.61	64.4	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023													
LIMS Workorder	23070389-007A													
Technician	BG,JC,TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW04	7/31/2023	11:47	1147	5.93		19.1	66.38	6.62			0.79	10.54	97.3	
APW04	7/31/2023	11:50	1150	5.93		19.2	66.56	6.59			0.7	7.16	94.3	
APW04	7/31/2023	11:53	1153	5.93		18.9	66.02	6.59			0.68	8	92.5	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023													
LIMS Workorder	23070389-008A													
Technician	BG,JC,TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW05	7/24/2023	13:46	1346	14.34		15.8	60.44	8.37	1025.1	1025.1	0.56	10.77	-31	
APW05	7/24/2023	13:49	1349	14.34		15.7	60.26	8.15	1025.3	1025.3	0.41	10.1	-57.6	
APW05	7/24/2023	13:52	1352	14.34		15.6	60.08	8.02	1026.1	1026.1	0.36	13.72	-88.2	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-009A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW05S	7/25/2023	12:47	1247	13.59		19.3	66.74	6.9			0.46	55.25	37.1	
APW05S	7/25/2023	12:50	1250	13.59		19.8	67.64	6.88			0.38	50.34	36	
APW05S	7/25/2023	12:53	1253	13.59		19.5	67.1	6.88			0.31	49.78	35.5	



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023													
LIMS Workorder	23070389-010A													
Technician	BG,JC,TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW06	7/25/2023	12:16	1216	19.5		14.3	57.74	7.73	646.8	646.8	0.59	18.13	34.7	
APW06	7/25/2023	12:19	1219	19.5		14.4	57.92	7.71	646.8	646.8	0.46	18.02	28.3	
APW06	7/25/2023	12:22	1222	19.5		14.5	58.1	7.7	646.6	646.6	0.39	17.9	21.6	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-011A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW07	7/25/2023	10:04	1004	47.33		15.8	60.44	7.07			6.39	10.54	53	
APW07	7/25/2023	10:07	1007	47.33		15.7	60.26	7.2			7.9	19.04	35.5	
APW07	7/25/2023	10:10	1010	47.33		15.8	60.44	7.35			9.5	388.39	32.7	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-012A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW08	7/31/2023	15:03	1503	38.33		17.3	63.14	7.24			1.7	8.95	97.8	
APW08	7/31/2023	15:06	1506	38.33		17.4	63.32	7.1			1.12	8.91	96.1	
APW08	7/31/2023	15:09	1509	38.33		17.5	63.5	7.08			0.95	10.56	94	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-013A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW09	7/31/2023	13:26	1326	27.85		17.5	63.5	7.33			0.85	12.36	97.6	
APW09	7/31/2023	13:29	1329	27.85		17.8	64.04	7.22			0.59	9.28	93.8	
APW09	7/31/2023	13:32	1332	27.85		17.9	64.22	7.2			0.47	4.99	90.9	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023													
LIMS Workorder	23070389-014A													
Technician	BG,JC,TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW10	7/31/2023	11:17	1117	19.4				7.07			2.28	67.9	116.8	
APW10	7/31/2023	11:20	1120	19.4		17.2	62.96	7.06			1.89	8.93	110.6	
APW10	7/31/2023	11:23	1123	19.4		16.9	62.42	7.06			1.68	10.38	106.7	
APW10	7/31/2023	11:26	1126	19.4		17.1	62.78	7.07			1.58	4.22	103.9	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023														
LIMS Workorder	23070389-015A														
Technician	BG,JC,TAC														
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	
APW11	7/24/2023	14:41	1441	25.09		15.5	59.9	7.2	1343.7	1343.7	0.34	109.63	-49		
APW11	7/24/2023	14:44	1444	25.09		15.5	59.9	7.19	1342.9	1342.9	0.33	106.01	-50.8		
APW11	7/24/2023	14:47	1447	25.09		15.5	59.9	7.19	1344.2	1344.2	0.32	103.24	-51.8		
APW11	7/24/2023	14:50	1450	25.09		15.5	59.9	7.18	1342.2	1342.2	0.32	97.32	-53		
APW11	7/24/2023	14:53	1453	25.09		15.5	59.9	7.17	1343.7	1343.7	0.31	127.02	-53.7		

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-016A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW12	7/24/2023	15:17	1517	15.93		13.8	56.84	6.49	1753.7	1753.7	1.11	3.84	48	
APW12	7/24/2023	15:20	1520	15.93		13.7	56.66	6.41	2142.3	2142.3	0.53	1.83	47.5	
APW12	7/24/2023	15:23	1523	15.93		13.7	56.66	6.39	2191.8	2191.8	0.4	0.9	47.1	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-017A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW13	7/31/2023	12:08	1208	33.49		18.3	64.94	6.98			1.77	8.97	113.9	
APW13	7/31/2023	12:11	1211	33.49		17.9	64.22	6.95			0.72	10.24	112	
APW13	7/31/2023	12:14	1214	33.49		18.1	64.58	6.94			0.56	5.8	109.3	



Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-018A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW14	7/31/2023	12:27	1227	22.12		16.3	61.34	7.29			2.8	5.35	122.6	
APW14	7/31/2023	12:30	1230	22.12		16.5	61.7	7.09			0.63	12.63	121.2	
APW14	7/31/2023	12:33	1233	22.12		16.2	61.16	7.04			0.45	7.73	116.9	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023													
LIMS Workorder	23070389-019A													
Technician	BG,JC,TAC													
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW15	8/1/2023	8:27	0827	21.4		15	59	7.02	2575.2	2575.2	0.94	34.6	15.8	
APW15	8/1/2023	8:30	0830	21.4		14.8	58.64	6.97	2575.8	2575.8	0.69	62.31	-30.1	
APW15	8/1/2023	8:33	0833	21.4		14.8	58.64	6.94	2575.8	2575.8	0.55	57.94	-46.6	
APW15	8/1/2023	8:36	0836	21.4		15.2	59.36	6.92	2577.5	2577.5	0.51	67.2	-55.7	
APW15	8/1/2023	8:39	0839	21.4		15.2	59.36	6.92	2574.8	2574.8	0.49	133.75	-61.8	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-020A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW16	7/31/2023	15:31	1531	40.89		15.1	59.18	7.54	966.8	966.8	7.74	9.2	103.4	
APW16	7/31/2023	15:34	1534	40.89		14.3	57.74	7.19	939.4	939.4	1.94	3.8	108.4	
APW16	7/31/2023	15:37	1537	40.89		14.2	57.56	7.13	946	946	1.14	3.24	107.9	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-021A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW17	7/25/2023	10:30	1030	41.81		16.5	61.7	7.27			2.02	5.63	70.7	
APW17	7/25/2023	10:33	1033	41.81		16.8	62.24	7			0.84	4.92	66.1	
APW17	7/25/2023	10:36	1036	41.81		16.6	61.88	6.94			0.51	4.49	50.3	

Groundwater Sampling Field Form - Groundwater Quality Parameters

Site Sampling Event	Newton 3Q 2023
LIMS Workorder	23070389-022A
Technician	BG,JC,TAC

Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	Sp Cond (µmhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)
APW18	7/25/2023	9:36	0936	52.25		14.6	58.28	7.32	750.6	750.6	2.19	5.25	79.1	
APW18	7/25/2023	9:39	0939	52.25		14.4	57.92	7.25	755.8	755.8	0.69	4.51	67.3	
APW18	7/25/2023	9:42	0942	52.25		14.4	57.92	7.22	755.8	755.8	0.52	3.61	48.5	

## Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other:					
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units		
LCS	7-24-23	1046	26.1		6.98			1385							
ccv	7-24-23	1603	25.4		7.01			1536							

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

Field Temp SOP 1156	SW846	Std Methods	2550 B	pH 4.0 Buffer	WC230418A	Conductivity Std. _____	Lot # _____
pH in the Field SOP 1152	9040B	4500-H B		pH 7.0 Buffer	WC230210B	Conductivity Std. _____	Lot # _____
Field Cond. SOP 1155	9050A	2510 B		pH 10.0 Buffer	WC230504C	Conductivity Std. _____	Lot # _____
Other: _____				pH LCS/LCSD _7_	WC230504B	Conductivity LCS/LCSD _____	Lot # _____

\*\*\*\* Field Meter ID for ( \_\_\_\_\_ ) : \_\_\_\_\_

pH Calibration	Reading		Conductivity Calibration	Reading	units		Calibration	Reading
Date: 7-24-23	4.01		_____	0-199.9	µS		Std _____	Units _____
Time: 0758	7.02		_____	0-1999	µS		Std _____	Units _____
	10.01		_____	0-19.99	mS		Std _____	Units _____

Field Analyst Sig & Date: <u>MA Cu 7-24-23</u>	Field Analyst Sig & Date: <u>MA Cu 7-24-23</u>	Field Analyst Sig & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____

## Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity		Other:					
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units	
LCS	7-25-23	0712	25.6		7.03			1412						
ccv	7-25-23	0319	24.8		7.06			1471						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( \_\_\_\_\_ ) : \_\_\_\_\_

	SW846	Std Methods	pH Buffer	Lot #	Conductivity Std.	Lot #	Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer	WC230418A	_____	_____	_____
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer	WC230210B	_____	_____	_____
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer	WC230504C	_____	_____	_____
Other: _____			pH LCS/LCSD _7_	WC230504B	_____	_____	_____

pH Calibration	Reading	Conductivity Calibration	Reading	units	Calibration	Reading
Date: 7-25-23	4.01	_____	0-199.9	μS	Std _____	_____
Time: 0651	6.98	_____	0-1999	μS	Std _____	_____
	9.98	_____	0-19.99	mS	Std _____	_____

Field Analyst Sig & Date: <u>MWA CW 7-25-23</u> Reviewed By & Date: _____ Reviewed By & Date: _____	Field Analyst Sig & Date: <u>MWA CW 7-25-23</u> Reviewed By & Date: _____ Reviewed By & Date: _____	Field Analyst Sig & Date: _____ Reviewed By & Date: _____ Reviewed By & Date: _____
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Comments:

## Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other:				
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units	
LCS	7-29-23	9:29	24.7		7.02			1413						
ccv	7-25-23	0314	23.8		7.04			1443						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

\*\*\*\* Field Meter ID for ( \_\_\_\_\_ ) : \_\_\_\_\_

	SW846	Std Methods	pH 4.0 Buffer	Lot #
Field Temp SOP 1156		2550 B	pH 4.0 Buffer	WC230418A
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer	WC230210B
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer	WC230504C
Other: _____			pH LCS/LCSD _7_	WC230504B

	Lot #	Lot #	Lot #	Lot #
Conductivity Std. _____	_____	_____	_____	_____
Conductivity Std. _____	_____	_____	_____	_____
Conductivity Std. _____	_____	_____	_____	_____
Conductivity LCS/LCSD _____	_____	_____	_____	_____

pH Calibration  
 Date: 7-25-23  
 Time: 9:29

Reading	4.02
_____	7.01
_____	10.

Field Analyst Sig & Date: Bett J. [Signature] 7-25-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Conductivity Calibration

_____	µS	0-199.9	_____	µS
_____	µS	0-1999	1425	µS
_____	mS	0-19.99	_____	mS

Field Analyst Sig & Date: Bett J. [Signature] 7-25-23  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

\_\_\_\_\_ Calibration Reading

Std _____	Units _____	_____
Std _____	Units _____	_____
Std _____	Units _____	_____

Field Analyst Sig & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_  
 Reviewed By & Date: \_\_\_\_\_

Comments:



## Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other:				
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units	
LCS	7-31-23	24.8 <del>107</del>	24.8		7.03			M22						
CCV	7-31-23	1552	21.3		7.02			1457						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

SW846	Std Methods	Lot #	Lot #	Lot #	Lot #
Field Temp SOP 1156	2550 B	pH 4.0 Buffer	WC230418A	Conductivity Std. _____	_____ Std. _____
pH in the Field SOP 1152	9040B	pH 7.0 Buffer	WC230210B	Conductivity Std. _____	_____ Std. _____
Field Cond. SOP 1155	9050A	pH 10.0 Buffer	WC230504C	Conductivity Std. _____	_____ Std. _____
Other: _____		pH LCS/LCSD _7_	WC230504B	Conductivity LCS/LCSD _____	_____ LCS/LCSD _____

pH Calibration	Reading	Conductivity Calibration	Reading	units	Calibration	Reading
Date: 7-31-23	4.00	_____ μS	0-199.9	_____ μS	Std _____	Units _____
Time: 1050	7.01	_____ μS	0-1999	1415	Std _____	Units _____
	9.99	_____ mS	0-19.99	_____ mS	Std _____	Units _____
Field Analyst Sig & Date: <u>[Signature]</u> 7-31-23		Field Analyst Sig & Date: <u>[Signature]</u> 7-31-23			Field Analyst Sig & Date: _____	
Reviewed By & Date: _____		Reviewed By & Date: _____			Reviewed By & Date: _____	
Reviewed By & Date: _____		Reviewed By & Date: _____			Reviewed By & Date: _____	

Comments:

## Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other:				
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units	
LCS	8-1-23	0806	21.6		7.02			1418						
CCV	8-1-23	1521	22.3		7.02			1459						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

Field Temp SOP 1156	SW846	Std Methods	pH 4.0 Buffer	Lot #	Conductivity Std. _____	Lot #	Std. _____
pH in the Field SOP 1152	9040B	4500-H B	pH 7.0 Buffer	WC230418A	Conductivity Std. _____	_____	Std. _____
Field Cond. SOP 1155	9050A	2510 B	pH 10.0 Buffer	WC230210B	Conductivity Std. _____	_____	Std. _____
Other: _____			pH LCS/LCSD _7_	WC230504C	Conductivity Std. _____	_____	Std. _____
				WC230504B	Conductivity LCS/LCSD _____	_____	LCS/LCSD _____

\*\*\*\* Field Meter ID for ( \_\_\_\_\_ ) : \_\_\_\_\_

pH Calibration	Reading	Conductivity Calibration	Reading	units	Calibration	Reading
Date: 8-1-23	4.00	_____ μS	0-199.9	μS	Std. _____	_____
Time: 0746	6.99	_____ μS	0-1999	μS	Std. _____	_____
	9.98	_____ mS	0-19.99	mS	Std. _____	_____

Field Analyst Sig & Date: <u>MSW 8-1-23</u>	Field Analyst Sig & Date: <u>MSW 8-1-23</u>	Field Analyst Sig & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____

Comments:

## Field Analysis Log

Cross Reference to Sample ID	Date mm/dd/yy	Time	Temp. C	pH Results			Conductivity			Other: _____				
				Reading 1	Reading 2	LCSD	Range Factor	Reading 1	Reading 2	DF	Read1/units	DF	Read2/units	
LCS	8-17-23	1051	20.8		7.02			1431						
CCV	8-17-23	1135	21.3		7.02			1429						

\*\*\*\* Field Meter ID for Temp, pH & Conductivity : \_\_\_\_\_

SW846	Std Methods	Lot #	Lot #
Field Temp SOP 1156	2550 B	pH 4.0 Buffer	_____
pH in the Field SOP 1152	9040B	pH 7.0 Buffer	_____
Field Cond. SOP 1155	9050A	pH 10.0 Buffer	_____
Other: _____		pH LCS/LCSD __7__	_____

\*\*\*\* Field Meter ID for ( \_\_\_\_\_ ) : \_\_\_\_\_

Conductivity Std.	Lot #	Std.	Lot #
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

pH Calibration	Conductivity Calibration	Calibration
Reading _____	Reading _____ units _____	_____ Calibration _____ Reading _____
Date: 8-17-23	_____ μS 0-199.9	Std _____ Units _____
Time: 1037	_____ μS 0-1999	Std _____ Units _____
	_____ mS 0-19.99	Std _____ Units _____
Field Analyst Sig & Date: <u>[Signature]</u> 8-17-23	Field Analyst Sig & Date: <u>[Signature]</u> 8-17-23	Field Analyst Sig & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____
Reviewed By & Date: _____	Reviewed By & Date: _____	Reviewed By & Date: _____

**ATTACHMENT C  
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND  
QUARTER 3, 2023**

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW02	UD	E002	Antimony, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.003
APW02	UD	E002	Arsenic, total	mg/L	02/17/21 - 08/17/23	11	73	CI around median	0.001	0.0590
APW02	UD	E002	Barium, total	mg/L	02/17/21 - 08/17/23	11	0	CI around mean	0.0094	0.300
APW02	UD	E002	Beryllium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.001
APW02	UD	E002	Boron, total	mg/L	02/17/21 - 08/17/23	11	0	CI around geomean	0.111	0.260
APW02	UD	E002	Cadmium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.001
APW02	UD	E002	Chloride, total	mg/L	02/17/21 - 08/17/23	11	0	CI around mean	100	52.0
APW02	UD	E002	Chromium, total	mg/L	02/17/21 - 08/17/23	11	82	CI around median	0.004	0.0110
APW02	UD	E002	Cobalt, total	mg/L	02/17/21 - 08/17/23	11	91	CI around median	0.002	0.00430
APW02	UD	E002	Fluoride, total	mg/L	02/17/21 - 08/17/23	11	91	CI around median	0.25	0.633
APW02	UD	E002	Lead, total	mg/L	02/17/21 - 08/17/23	11	91	CI around median	0.001	0.00740
APW02	UD	E002	Lithium, total	mg/L	02/17/21 - 08/17/23	11	0	CI around geomean	0.0944	0.0300
APW02	UD	E002	Mercury, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.0002	0.0002
APW02	UD	E002	Molybdenum, total	mg/L	02/17/21 - 08/17/23	10	60	CI around median	0.001	0.0180
APW02	UD	E002	pH (field)	SU	02/17/21 - 08/17/23	17	0	CI around mean	6.7/6.8	6.4/7.8
APW02	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 08/17/23	10	0	CI around mean	0.271	6.90
APW02	UD	E002	Selenium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.001	0.001
APW02	UD	E002	Sulfate, total	mg/L	02/17/21 - 08/17/23	11	0	CI around median	2,860	35.8
APW02	UD	E002	Thallium, total	mg/L	02/17/21 - 08/17/23	11	100	All ND - Last	0.002	0.001
APW02	UD	E002	Total Dissolved Solids	mg/L	02/17/21 - 08/17/23	17	0	CI around median	5,000	628
APW03	UD	E002	Antimony, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.003
APW03	UD	E002	Arsenic, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.0590
APW03	UD	E002	Barium, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.065	0.300
APW03	UD	E002	Beryllium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW03	UD	E002	Boron, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.381	0.260
APW03	UD	E002	Cadmium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW03	UD	E002	Chloride, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	7.52	52.0

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW03	UD	E002	Chromium, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.004	0.0110
APW03	UD	E002	Cobalt, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.00430
APW03	UD	E002	Fluoride, total	mg/L	02/18/21 - 07/31/23	11	82	CI around median	0.25	0.633
APW03	UD	E002	Lead, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.001	0.00740
APW03	UD	E002	Lithium, total	mg/L	02/18/21 - 07/31/23	11	36	CI around mean	0.0129	0.0300
APW03	UD	E002	Mercury, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.0002	0.0002
APW03	UD	E002	Molybdenum, total	mg/L	02/18/21 - 07/31/23	10	20	CI around mean	0.00109	0.0180
APW03	UD	E002	pH (field)	SU	02/18/21 - 07/31/23	17	0	CI around mean	6.8/7.2	6.4/7.8
APW03	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/31/23	10	0	CI around mean	0.185	6.90
APW03	UD	E002	Selenium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW03	UD	E002	Sulfate, total	mg/L	02/18/21 - 07/31/23	11	0	CB around linear reg	91.4	35.8
APW03	UD	E002	Thallium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.002	0.001
APW03	UD	E002	Total Dissolved Solids	mg/L	02/18/21 - 07/31/23	17	0	CI around mean	627	628
APW04	UD	E002	Antimony, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.003
APW04	UD	E002	Arsenic, total	mg/L	02/18/21 - 07/31/23	11	46	CI around median	0.001	0.0590
APW04	UD	E002	Barium, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	0.0189	0.300
APW04	UD	E002	Beryllium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW04	UD	E002	Boron, total	mg/L	02/18/21 - 07/31/23	11	0	CI around median	0.024	0.260
APW04	UD	E002	Cadmium, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.001	0.001
APW04	UD	E002	Chloride, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	29.8	52.0
APW04	UD	E002	Chromium, total	mg/L	02/18/21 - 07/31/23	11	82	CI around median	0.004	0.0110
APW04	UD	E002	Cobalt, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.00430
APW04	UD	E002	Fluoride, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.25	0.633
APW04	UD	E002	Lead, total	mg/L	02/18/21 - 07/31/23	11	64	CI around median	0.001	0.00740
APW04	UD	E002	Lithium, total	mg/L	02/18/21 - 07/31/23	11	27	CI around median	0.02	0.0300
APW04	UD	E002	Mercury, total	mg/L	02/18/21 - 07/31/23	11	91	CI around median	0.0002	0.0002
APW04	UD	E002	Molybdenum, total	mg/L	02/18/21 - 07/31/23	10	90	CI around median	0.001	0.0180

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW04	UD	E002	pH (field)	SU	02/18/21 - 07/31/23	17	0	CI around mean	6.6/7.2	6.4/7.8
APW04	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/31/23	10	0	CI around mean	0.0973	6.90
APW04	UD	E002	Selenium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW04	UD	E002	Sulfate, total	mg/L	02/18/21 - 07/31/23	11	0	CI around mean	837	35.8
APW04	UD	E002	Thallium, total	mg/L	02/18/21 - 07/31/23	11	100	All ND - Last	0.002	0.001
APW04	UD	E002	Total Dissolved Solids	mg/L	02/18/21 - 07/31/23	17	0	CI around mean	1,720	628
APW05S	UD	E002	Antimony, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.003
APW05S	UD	E002	Arsenic, total	mg/L	02/17/21 - 07/25/23	10	40	CI around mean	0.00103	0.0590
APW05S	UD	E002	Barium, total	mg/L	02/17/21 - 07/25/23	10	0	CI around geomean	0.0386	0.300
APW05S	UD	E002	Beryllium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.001
APW05S	UD	E002	Boron, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	0.04	0.260
APW05S	UD	E002	Cadmium, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.001	0.001
APW05S	UD	E002	Chloride, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	180	52.0
APW05S	UD	E002	Chromium, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.004	0.0110
APW05S	UD	E002	Cobalt, total	mg/L	02/17/21 - 07/25/23	10	30	CI around median	0.002	0.00430
APW05S	UD	E002	Fluoride, total	mg/L	02/17/21 - 07/25/23	10	0	CI around mean	0.356	0.633
APW05S	UD	E002	Lead, total	mg/L	02/17/21 - 07/25/23	10	90	CI around median	0.001	0.00740
APW05S	UD	E002	Lithium, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	0.035	0.0300
APW05S	UD	E002	Mercury, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.0002	0.0002
APW05S	UD	E002	Molybdenum, total	mg/L	02/17/21 - 07/25/23	9	11	CB around linear reg	-0.000408	0.0180
APW05S	UD	E002	pH (field)	SU	02/17/21 - 07/25/23	10	0	CI around mean	6.7/7.0	6.4/7.8
APW05S	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 07/25/23	9	0	CI around geomean	0.153	6.90
APW05S	UD	E002	Selenium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.001	0.001
APW05S	UD	E002	Sulfate, total	mg/L	02/17/21 - 07/25/23	10	0	CI around median	640	35.8
APW05S	UD	E002	Thallium, total	mg/L	02/17/21 - 07/25/23	10	100	All ND - Last	0.002	0.001
APW05S	UD	E002	Total Dissolved Solids	mg/L	02/17/21 - 07/25/23	10	0	CI around mean	3,390	628
APW07	UA	E002	Antimony, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.003

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW07	UA	E002	Arsenic, total	mg/L	12/15/15 - 07/25/23	13	0	CB around linear reg	0.0131	0.0590
APW07	UA	E002	Barium, total	mg/L	12/15/15 - 07/25/23	13	0	CB around linear reg	0.475	0.300
APW07	UA	E002	Beryllium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.001
APW07	UA	E002	Boron, total	mg/L	12/15/15 - 07/25/23	23	0	CB around T-S line	0.0863	0.260
APW07	UA	E002	Cadmium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.001	0.001
APW07	UA	E002	Chloride, total	mg/L	12/15/15 - 07/25/23	26	0	CB around T-S line	55.2	52.0
APW07	UA	E002	Chromium, total	mg/L	12/15/15 - 07/25/23	13	69	CI around median	0.004	0.0110
APW07	UA	E002	Cobalt, total	mg/L	12/15/15 - 07/25/23	12	83	CI around median	0.002	0.00430
APW07	UA	E002	Fluoride, total	mg/L	12/15/15 - 07/25/23	23	4	CI around mean	0.363	0.633
APW07	UA	E002	Lead, total	mg/L	12/15/15 - 07/25/23	13	62	CI around median	0.001	0.00740
APW07	UA	E002	Lithium, total	mg/L	12/15/15 - 07/25/23	13	92	CI around median	0.01	0.0300
APW07	UA	E002	Mercury, total	mg/L	12/15/15 - 07/25/23	13	100	All ND - Last	0.0002	0.0002
APW07	UA	E002	Molybdenum, total	mg/L	12/15/15 - 07/25/23	12	0	CB around linear reg	-0.00329	0.0180
APW07	UA	E002	pH (field)	SU	12/15/15 - 07/25/23	25	0	CI around mean	7.2/7.3	6.4/7.8
APW07	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/25/23	13	0	CB around linear reg	1.5	6.90
APW07	UA	E002	Selenium, total	mg/L	12/15/15 - 07/25/23	13	100	All ND - Last	0.001	0.001
APW07	UA	E002	Sulfate, total	mg/L	12/15/15 - 07/25/23	24	17	CB around T-S line	8.94	35.8
APW07	UA	E002	Thallium, total	mg/L	12/15/15 - 07/25/23	12	100	All ND - Last	0.002	0.001
APW07	UA	E002	Total Dissolved Solids	mg/L	12/15/15 - 07/25/23	23	0	CB around T-S line	523	628
APW08	UA	E002	Antimony, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.003
APW08	UA	E002	Arsenic, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.0208	0.0590
APW08	UA	E002	Barium, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.463	0.300
APW08	UA	E002	Beryllium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.001
APW08	UA	E002	Boron, total	mg/L	12/15/15 - 07/31/23	23	0	CB around T-S line	0.0867	0.260
APW08	UA	E002	Cadmium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.001
APW08	UA	E002	Chloride, total	mg/L	12/15/15 - 07/31/23	25	0	CI around mean	54.7	52.0
APW08	UA	E002	Chromium, total	mg/L	12/15/15 - 07/31/23	13	54	CI around median	0.004	0.0110



**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW08	UA	E002	Cobalt, total	mg/L	12/15/15 - 07/31/23	12	75	CI around median	0.002	0.00430
APW08	UA	E002	Fluoride, total	mg/L	12/15/15 - 07/31/23	23	9	CI around median	0.373	0.633
APW08	UA	E002	Lead, total	mg/L	12/15/15 - 07/31/23	13	54	CI around median	0.001	0.00740
APW08	UA	E002	Lithium, total	mg/L	12/15/15 - 07/31/23	13	69	CI around median	0.01	0.0300
APW08	UA	E002	Mercury, total	mg/L	12/15/15 - 07/31/23	13	100	All ND - Last	0.0002	0.0002
APW08	UA	E002	Molybdenum, total	mg/L	12/15/15 - 07/31/23	12	0	CI around mean	0.0046	0.0180
APW08	UA	E002	pH (field)	SU	12/15/15 - 07/31/23	26	0	CI around mean	7.2/7.4	6.4/7.8
APW08	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/31/23	13	0	CI around mean	0.989	6.90
APW08	UA	E002	Selenium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.001	0.001
APW08	UA	E002	Sulfate, total	mg/L	12/15/15 - 07/31/23	25	0	CB around linear reg	45.4	35.8
APW08	UA	E002	Thallium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.002	0.001
APW08	UA	E002	Total Dissolved Solids	mg/L	12/15/15 - 07/31/23	23	0	CB around linear reg	590	628
APW09	UA	E002	Antimony, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.003
APW09	UA	E002	Arsenic, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.025	0.0590
APW09	UA	E002	Barium, total	mg/L	12/15/15 - 07/31/23	13	0	CB around linear reg	0.336	0.300
APW09	UA	E002	Beryllium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.001
APW09	UA	E002	Boron, total	mg/L	12/15/15 - 07/31/23	23	0	CB around T-S line	0.0876	0.260
APW09	UA	E002	Cadmium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.001	0.001
APW09	UA	E002	Chloride, total	mg/L	12/15/15 - 07/31/23	25	0	CB around T-S line	121	52.0
APW09	UA	E002	Chromium, total	mg/L	12/15/15 - 07/31/23	13	69	CI around median	0.004	0.0110
APW09	UA	E002	Cobalt, total	mg/L	12/15/15 - 07/31/23	12	92	CI around median	0.002	0.00430
APW09	UA	E002	Fluoride, total	mg/L	12/15/15 - 07/31/23	24	4	CI around mean	0.45	0.633
APW09	UA	E002	Lead, total	mg/L	12/15/15 - 07/31/23	13	54	CI around median	0.001	0.00740
APW09	UA	E002	Lithium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.01	0.0300
APW09	UA	E002	Mercury, total	mg/L	12/15/15 - 07/31/23	13	85	CI around median	0.0002	0.0002
APW09	UA	E002	Molybdenum, total	mg/L	12/15/15 - 07/31/23	12	0	CB around linear reg	-0.00632	0.0180
APW09	UA	E002	pH (field)	SU	12/15/15 - 07/31/23	25	0	CI around median	7.4/7.5	6.4/7.8

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
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NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW09	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 07/31/23	13	0	CI around geomean	0.878	6.90
APW09	UA	E002	Selenium, total	mg/L	12/15/15 - 07/31/23	13	92	CI around median	0.001	0.001
APW09	UA	E002	Sulfate, total	mg/L	12/15/15 - 07/31/23	25	8	CI around geomean	4.68	35.8
APW09	UA	E002	Thallium, total	mg/L	12/15/15 - 07/31/23	12	100	All ND - Last	0.002	0.001
APW09	UA	E002	Total Dissolved Solids	mg/L	12/15/15 - 07/31/23	24	0	CB around T-S line	755	628
APW10	UA	E002	Antimony, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.003
APW10	UA	E002	Arsenic, total	mg/L	12/16/15 - 07/31/23	15	0	CI around mean	0.00612	0.0590
APW10	UA	E002	Barium, total	mg/L	12/16/15 - 07/31/23	15	0	CI around mean	0.0289	0.300
APW10	UA	E002	Beryllium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.001
APW10	UA	E002	Boron, total	mg/L	12/16/15 - 07/31/23	25	0	CB around linear reg	0.0782	0.260
APW10	UA	E002	Cadmium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.001	0.001
APW10	UA	E002	Chloride, total	mg/L	12/16/15 - 07/31/23	26	0	CI around mean	45.4	52.0
APW10	UA	E002	Chromium, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.0015	0.0110
APW10	UA	E002	Cobalt, total	mg/L	12/16/15 - 07/31/23	14	93	CI around median	0.002	0.00430
APW10	UA	E002	Fluoride, total	mg/L	12/16/15 - 07/31/23	25	20	CI around mean	0.299	0.633
APW10	UA	E002	Lead, total	mg/L	12/16/15 - 07/31/23	15	87	CI around median	0.001	0.00740
APW10	UA	E002	Lithium, total	mg/L	12/16/15 - 07/31/23	15	7	CB around linear reg	0.014	0.0300
APW10	UA	E002	Mercury, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.0002	0.0002
APW10	UA	E002	Molybdenum, total	mg/L	12/16/15 - 07/31/23	14	0	CB around linear reg	0.00554	0.0180
APW10	UA	E002	pH (field)	SU	12/16/15 - 07/31/23	28	0	CB around linear reg	7.2/7.5	6.4/7.8
APW10	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 07/31/23	15	0	CI around mean	0.453	6.90
APW10	UA	E002	Selenium, total	mg/L	12/16/15 - 07/31/23	15	100	All ND - Last	0.001	0.001
APW10	UA	E002	Sulfate, total	mg/L	12/16/15 - 07/31/23	27	0	CI around median	410	35.8
APW10	UA	E002	Thallium, total	mg/L	12/16/15 - 07/31/23	14	100	All ND - Last	0.002	0.001
APW10	UA	E002	Total Dissolved Solids	mg/L	12/16/15 - 07/31/23	27	0	CB around linear reg	1,030	628
APW11	UA	E002	Antimony, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.003
APW11	UA	E002	Arsenic, total	mg/L	02/18/21 - 07/24/23	11	0	CI around mean	0.00182	0.0590

**ATTACHMENT C.**  
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NEWTON POWER PLANT  
PRIMARY ASH POND  
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW11	UA	E002	Barium, total	mg/L	02/18/21 - 07/24/23	11	0	CB around T-S line	-0.375	0.300
APW11	UA	E002	Beryllium, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.001
APW11	UA	E002	Boron, total	mg/L	02/18/21 - 07/24/23	11	0	CI around median	0.063	0.260
APW11	UA	E002	Cadmium, total	mg/L	02/18/21 - 07/24/23	11	100	All ND - Last	0.001	0.001
APW11	UA	E002	Chloride, total	mg/L	02/18/21 - 07/24/23	11	0	CI around median	25	52.0
APW11	UA	E002	Chromium, total	mg/L	02/18/21 - 07/24/23	11	64	CI around median	0.004	0.0110
APW11	UA	E002	Cobalt, total	mg/L	02/18/21 - 07/24/23	11	64	CI around median	0.002	0.00430
APW11	UA	E002	Fluoride, total	mg/L	02/18/21 - 07/24/23	11	46	CI around mean	0.248	0.633
APW11	UA	E002	Lead, total	mg/L	02/18/21 - 07/24/23	11	54	CI around median	0.001	0.00740
APW11	UA	E002	Lithium, total	mg/L	02/18/21 - 07/24/23	11	9	CI around mean	0.0178	0.0300
APW11	UA	E002	Mercury, total	mg/L	02/18/21 - 07/24/23	11	82	CI around median	0.0002	0.0002
APW11	UA	E002	Molybdenum, total	mg/L	02/18/21 - 07/24/23	10	0	CB around T-S line	-0.0654	0.0180
APW11	UA	E002	pH (field)	SU	02/18/21 - 07/24/23	11	0	CI around median	6.6/7.2	6.4/7.8
APW11	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 07/24/23	10	0	CI around geomean	0.529	6.90
APW11	UA	E002	Selenium, total	mg/L	02/18/21 - 07/24/23	11	82	CI around median	0.001	0.001
APW11	UA	E002	Sulfate, total	mg/L	02/18/21 - 07/24/23	11	0	CI around median	260	35.8
APW11	UA	E002	Thallium, total	mg/L	02/18/21 - 07/24/23	11	91	CI around median	0.001	0.001
APW11	UA	E002	Total Dissolved Solids	mg/L	02/18/21 - 07/24/23	11	0	CI around mean	813	628
APW12	UD	E002	Antimony, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.003
APW12	UD	E002	Arsenic, total	mg/L	02/17/21 - 07/24/23	11	9	CI around mean	0.0013	0.0590
APW12	UD	E002	Barium, total	mg/L	02/17/21 - 07/24/23	11	0	CB around linear reg	0.0162	0.300
APW12	UD	E002	Beryllium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.001
APW12	UD	E002	Boron, total	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	0.192	0.260
APW12	UD	E002	Cadmium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.001
APW12	UD	E002	Chloride, total	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	21.7	52.0
APW12	UD	E002	Chromium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.0015	0.0110
APW12	UD	E002	Cobalt, total	mg/L	02/17/21 - 07/24/23	11	18	CB around linear reg	-0.0016	0.00430

**ATTACHMENT C.**  
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NEWTON POWER PLANT  
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NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW12	UD	E002	Fluoride, total	mg/L	02/17/21 - 07/24/23	11	91	CI around median	0.25	0.633
APW12	UD	E002	Lead, total	mg/L	02/17/21 - 07/24/23	11	91	CI around median	0.001	0.00740
APW12	UD	E002	Lithium, total	mg/L	02/17/21 - 07/24/23	11	0	CI around geomean	0.0248	0.0300
APW12	UD	E002	Mercury, total	mg/L	02/17/21 - 07/24/23	11	91	CI around median	0.0002	0.0002
APW12	UD	E002	Molybdenum, total	mg/L	02/17/21 - 07/24/23	10	50	CI around geomean	0.000968	0.0180
APW12	UD	E002	pH (field)	SU	02/17/21 - 07/24/23	11	0	CI around mean	6.3/6.5	6.4/7.8
APW12	UD	E002	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 07/24/23	10	0	CI around geomean	0.165	6.90
APW12	UD	E002	Selenium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.001	0.001
APW12	UD	E002	Sulfate, total	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	271	35.8
APW12	UD	E002	Thallium, total	mg/L	02/17/21 - 07/24/23	11	100	All ND - Last	0.002	0.001
APW12	UD	E002	Total Dissolved Solids	mg/L	02/17/21 - 07/24/23	11	0	CI around mean	1,170	628
APW13	UA	E002	Antimony, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.003
APW13	UA	E002	Arsenic, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.00331	0.0590
APW13	UA	E002	Barium, total	mg/L	02/22/21 - 07/31/23	11	0	CI around median	0.05	0.300
APW13	UA	E002	Beryllium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW13	UA	E002	Boron, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.107	0.260
APW13	UA	E002	Cadmium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW13	UA	E002	Chloride, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	46.4	52.0
APW13	UA	E002	Chromium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0015	0.0110
APW13	UA	E002	Cobalt, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.00430
APW13	UA	E002	Fluoride, total	mg/L	02/22/21 - 07/31/23	11	9	CI around mean	0.299	0.633
APW13	UA	E002	Lead, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.00740
APW13	UA	E002	Lithium, total	mg/L	02/22/21 - 07/31/23	11	0	CB around linear reg	0.00549	0.0300
APW13	UA	E002	Mercury, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0002	0.0002
APW13	UA	E002	Molybdenum, total	mg/L	02/22/21 - 07/31/23	10	0	CB around linear reg	-0.000226	0.0180
APW13	UA	E002	pH (field)	SU	02/22/21 - 07/31/23	11	0	CI around median	6.9/7.3	6.4/7.8
APW13	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 07/31/23	10	0	CI around mean	0.304	6.90

**ATTACHMENT C.**  
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NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW13	UA	E002	Selenium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW13	UA	E002	Sulfate, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	212	35.8
APW13	UA	E002	Thallium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.002	0.001
APW13	UA	E002	Total Dissolved Solids	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	809	628
APW14	UA	E002	Antimony, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.003
APW14	UA	E002	Arsenic, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.00533	0.0590
APW14	UA	E002	Barium, total	mg/L	02/22/21 - 07/31/23	11	0	CB around linear reg	0.0314	0.300
APW14	UA	E002	Beryllium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW14	UA	E002	Boron, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	0.0958	0.260
APW14	UA	E002	Cadmium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW14	UA	E002	Chloride, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	41.8	52.0
APW14	UA	E002	Chromium, total	mg/L	02/22/21 - 07/31/23	11	91	CI around median	0.004	0.0110
APW14	UA	E002	Cobalt, total	mg/L	02/22/21 - 07/31/23	11	91	CI around median	0.002	0.00430
APW14	UA	E002	Fluoride, total	mg/L	02/22/21 - 07/31/23	11	27	CI around mean	0.271	0.633
APW14	UA	E002	Lead, total	mg/L	02/22/21 - 07/31/23	11	73	CI around median	0.001	0.00740
APW14	UA	E002	Lithium, total	mg/L	02/22/21 - 07/31/23	11	18	CB around linear reg	0.00124	0.0300
APW14	UA	E002	Mercury, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.0002	0.0002
APW14	UA	E002	Molybdenum, total	mg/L	02/22/21 - 07/31/23	10	0	CB around linear reg	-0.00289	0.0180
APW14	UA	E002	pH (field)	SU	02/22/21 - 07/31/23	11	0	CI around median	7.0/7.5	6.4/7.8
APW14	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 07/31/23	10	0	CI around mean	0.41	6.90
APW14	UA	E002	Selenium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW14	UA	E002	Sulfate, total	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	317	35.8
APW14	UA	E002	Thallium, total	mg/L	02/22/21 - 07/31/23	11	100	All ND - Last	0.002	0.001
APW14	UA	E002	Total Dissolved Solids	mg/L	02/22/21 - 07/31/23	11	0	CI around mean	900	628
APW15	UA	E002	Antimony, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.003
APW15	UA	E002	Arsenic, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.0169	0.0590
APW15	UA	E002	Barium, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.564	0.300

**ATTACHMENT C.**  
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW15	UA	E002	Beryllium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.001
APW15	UA	E002	Boron, total	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	0.126	0.260
APW15	UA	E002	Cadmium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.001
APW15	UA	E002	Chloride, total	mg/L	02/23/21 - 08/01/23	11	0	CI around median	230	52.0
APW15	UA	E002	Chromium, total	mg/L	02/23/21 - 08/01/23	11	73	CI around median	0.004	0.0110
APW15	UA	E002	Cobalt, total	mg/L	02/23/21 - 08/01/23	11	73	CI around median	0.002	0.00430
APW15	UA	E002	Fluoride, total	mg/L	02/23/21 - 08/01/23	11	0	CI around geomean	0.568	0.633
APW15	UA	E002	Lead, total	mg/L	02/23/21 - 08/01/23	11	46	CI around median	0.001	0.00740
APW15	UA	E002	Lithium, total	mg/L	02/23/21 - 08/01/23	11	73	CI around median	0.02	0.0300
APW15	UA	E002	Mercury, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.0002	0.0002
APW15	UA	E002	Molybdenum, total	mg/L	02/23/21 - 08/01/23	10	0	CB around linear reg	-0.000246	0.0180
APW15	UA	E002	pH (field)	SU	02/23/21 - 08/01/23	11	0	CI around median	6.9/7.3	6.4/7.8
APW15	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 08/01/23	10	0	CI around mean	1.55	6.90
APW15	UA	E002	Selenium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.001	0.001
APW15	UA	E002	Sulfate, total	mg/L	02/23/21 - 08/01/23	11	91	CI around median	1	35.8
APW15	UA	E002	Thallium, total	mg/L	02/23/21 - 08/01/23	11	100	All ND - Last	0.002	0.001
APW15	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 08/01/23	11	0	CI around mean	1,030	628
APW16	UA	E002	Antimony, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.003
APW16	UA	E002	Arsenic, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.00821	0.0590
APW16	UA	E002	Barium, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.554	0.300
APW16	UA	E002	Beryllium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW16	UA	E002	Boron, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.13	0.260
APW16	UA	E002	Cadmium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW16	UA	E002	Chloride, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	65.6	52.0
APW16	UA	E002	Chromium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.0015	0.0110
APW16	UA	E002	Cobalt, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.00430
APW16	UA	E002	Fluoride, total	mg/L	02/23/21 - 07/31/23	11	0	CI around mean	0.617	0.633



**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW16	UA	E002	Lead, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.00740
APW16	UA	E002	Lithium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.003	0.0300
APW16	UA	E002	Mercury, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.0002	0.0002
APW16	UA	E002	Molybdenum, total	mg/L	02/23/21 - 07/31/23	10	50	CB around linear reg	-0.00225	0.0180
APW16	UA	E002	pH (field)	SU	02/23/21 - 07/31/23	11	0	CI around mean	7.2/7.5	6.4/7.8
APW16	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/31/23	10	0	CI around geomean	1.28	6.90
APW16	UA	E002	Selenium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.001	0.001
APW16	UA	E002	Sulfate, total	mg/L	02/23/21 - 07/31/23	11	82	CI around median	1	35.8
APW16	UA	E002	Thallium, total	mg/L	02/23/21 - 07/31/23	11	100	All ND - Last	0.002	0.001
APW16	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 07/31/23	11	0	CI around median	665	628
APW17	UA	E002	Antimony, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.003
APW17	UA	E002	Arsenic, total	mg/L	02/23/21 - 07/25/23	11	0	CB around linear reg	0.0221	0.0590
APW17	UA	E002	Barium, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.57	0.300
APW17	UA	E002	Beryllium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.001
APW17	UA	E002	Boron, total	mg/L	02/23/21 - 07/25/23	11	0	CI around median	0.083	0.260
APW17	UA	E002	Cadmium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.001
APW17	UA	E002	Chloride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	44.9	52.0
APW17	UA	E002	Chromium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.0015	0.0110
APW17	UA	E002	Cobalt, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.00430
APW17	UA	E002	Fluoride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.414	0.633
APW17	UA	E002	Lead, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.00740
APW17	UA	E002	Lithium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.003	0.0300
APW17	UA	E002	Mercury, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.0002	0.0002
APW17	UA	E002	Molybdenum, total	mg/L	02/23/21 - 07/25/23	10	0	CI around median	0.0048	0.0180
APW17	UA	E002	pH (field)	SU	02/23/21 - 07/25/23	11	0	CI around mean	7.2/7.6	6.4/7.8
APW17	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/25/23	10	0	CI around mean	0.787	6.90
APW17	UA	E002	Selenium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.001	0.001

**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**  
845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW17	UA	E002	Sulfate, total	mg/L	02/23/21 - 07/25/23	11	9	CB around T-S line	-74	35.8
APW17	UA	E002	Thallium, total	mg/L	02/23/21 - 07/25/23	11	100	All ND - Last	0.002	0.001
APW17	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	634	628
APW18	UA	E002	Antimony, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.003	0.003
APW18	UA	E002	Arsenic, total	mg/L	02/23/21 - 07/25/23	11	9	CI around mean	0.00154	0.0590
APW18	UA	E002	Barium, total	mg/L	02/23/21 - 07/25/23	11	0	CI around median	0.33	0.300
APW18	UA	E002	Beryllium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.001	0.001
APW18	UA	E002	Boron, total	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	0.106	0.260
APW18	UA	E002	Cadmium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.001	0.001
APW18	UA	E002	Chloride, total	mg/L	02/23/21 - 07/25/23	11	0	CB around T-S line	-217	52.0
APW18	UA	E002	Chromium, total	mg/L	02/23/21 - 07/25/23	11	73	CB around T-S line	-0.0376	0.0110
APW18	UA	E002	Cobalt, total	mg/L	02/23/21 - 07/25/23	11	73	CI around median	0.002	0.00430
APW18	UA	E002	Fluoride, total	mg/L	02/23/21 - 07/25/23	11	0	CI around geomean	0.663	0.633
APW18	UA	E002	Lead, total	mg/L	02/23/21 - 07/25/23	11	54	CB around T-S line	-0.0485	0.00740
APW18	UA	E002	Lithium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.02	0.0300
APW18	UA	E002	Mercury, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.0002	0.0002
APW18	UA	E002	Molybdenum, total	mg/L	02/23/21 - 07/25/23	10	0	CB around linear reg	-0.0188	0.0180
APW18	UA	E002	pH (field)	SU	02/23/21 - 07/25/23	11	0	CI around mean	7.4/7.8	6.4/7.8
APW18	UA	E002	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 07/25/23	10	0	CI around mean	1.47	6.90
APW18	UA	E002	Selenium, total	mg/L	02/23/21 - 07/25/23	11	91	CI around median	0.001	0.001
APW18	UA	E002	Sulfate, total	mg/L	02/23/21 - 07/25/23	11	18	CI around geomean	2.29	35.8
APW18	UA	E002	Thallium, total	mg/L	02/23/21 - 07/25/23	11	82	CI around median	0.001	0.001
APW18	UA	E002	Total Dissolved Solids	mg/L	02/23/21 - 07/25/23	11	0	CI around mean	511	628



**ATTACHMENT C.**  
**COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**

845 QUARTERLY REPORT  
NEWTON POWER PLANT  
PRIMARY ASH POND  
NEWTON, IL

**Notes:**

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

HSU = hydrostratigraphic unit:

UA = Uppermost Aquifer

UD = Upper Drift

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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