



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

January 16, 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 4, 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).

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (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 IEPA provided a written response on November 7, 2023 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.

Sincerely,

A handwritten signature in blue ink that reads "Phil Morris".

Phil Morris, PE
Senior Director, Environmental

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 4, 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 4, 2023
PRIMARY ASH POND, NEWTON POWER PLANT, NEWTON, ILLINOIS**

January 16, 2024

Samples were collected on October 10 and October 11, 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 17, 2023.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 4, 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 4, 2023 sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 4, 2023 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

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

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration² (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, 2023³ 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.

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

² 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.

³ 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 4, 2023
Table 2	Comparison of Statistical Results to GWPS - Quarter 4, 2023

FIGURES

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

Attachment A	Groundwater Elevation Data - Quarter 4, 2023
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 4, 2023
Attachment C	Comparison of Statistical Results to Background - Quarter 4, 2023

TABLES

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

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW05	Background	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW05	Background	E003	10/10/2023	Arsenic, total	0.0323	mg/L
APW05	Background	E003	10/10/2023	Barium, total	0.333	mg/L
APW05	Background	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW05	Background	E003	10/10/2023	Boron, total	0.0897	mg/L
APW05	Background	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW05	Background	E003	10/10/2023	Calcium, total	52.8	mg/L
APW05	Background	E003	10/10/2023	Chloride, total	46.0	mg/L
APW05	Background	E003	10/10/2023	Chromium, total	0.0012 J	mg/L
APW05	Background	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW05	Background	E003	10/10/2023	Dissolved Oxygen	0.600	mg/L
APW05	Background	E003	10/10/2023	Fluoride, total	0.530	mg/L
APW05	Background	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW05	Background	E003	10/10/2023	Lithium, total	0.00900	mg/L
APW05	Background	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW05	Background	E003	10/10/2023	Molybdenum, total	0.0127	mg/L
APW05	Background	E003	10/10/2023	Oxidation Reduction Potential	-134	mV
APW05	Background	E003	10/10/2023	pH (field)	7.4	SU
APW05	Background	E003	10/10/2023	Radium 226 + Radium 228, total	0.915 U*	pCi/L
APW05	Background	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW05	Background	E003	10/10/2023	Specific Conductance @ 25C (field)	988	micromhos/cm
APW05	Background	E003	10/10/2023	Sulfate, total	8 J	mg/L
APW05	Background	E003	10/10/2023	Temperature	15.1	degrees C
APW05	Background	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW05	Background	E003	10/10/2023	Total Dissolved Solids	562	mg/L
APW05	Background	E003	10/10/2023	Turbidity, field	31.0	NTU
APW06	Background	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW06	Background	E003	10/10/2023	Arsenic, total	0.00830	mg/L
APW06	Background	E003	10/10/2023	Barium, total	0.304	mg/L
APW06	Background	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW06	Background	E003	10/10/2023	Boron, total	0.0750	mg/L
APW06	Background	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW06	Background	E003	10/10/2023	Calcium, total	56.8	mg/L
APW06	Background	E003	10/10/2023	Chloride, total	23.0	mg/L
APW06	Background	E003	10/10/2023	Chromium, total	0.0007 U	mg/L
APW06	Background	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW06	Background	E003	10/10/2023	Dissolved Oxygen	0.680	mg/L
APW06	Background	E003	10/10/2023	Fluoride, total	0.550	mg/L
APW06	Background	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW06	Background	E003	10/10/2023	Lithium, total	0.0106	mg/L
APW06	Background	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW06	Background	E003	10/10/2023	Molybdenum, total	0.0116	mg/L
APW06	Background	E003	10/10/2023	Oxidation Reduction Potential	-99.0	mV
APW06	Background	E003	10/10/2023	pH (field)	7.1	SU
APW06	Background	E003	10/10/2023	Radium 226 + Radium 228, total	0.577 U*	pCi/L
APW06	Background	E003	10/10/2023	Selenium, total	0.0006 U	mg/L

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

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW06	Background	E003	10/10/2023	Specific Conductance @ 25C (field)	894	micromhos/cm
APW06	Background	E003	10/10/2023	Sulfate, total	11.0	mg/L
APW06	Background	E003	10/10/2023	Temperature	14.4	degrees C
APW06	Background	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW06	Background	E003	10/10/2023	Total Dissolved Solids	526	mg/L
APW06	Background	E003	10/10/2023	Turbidity, field	70.0	NTU
APW02	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW02	Compliance	E003	10/10/2023	Arsenic, total	0.0006 J	mg/L
APW02	Compliance	E003	10/10/2023	Barium, total	0.0136	mg/L
APW02	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW02	Compliance	E003	10/10/2023	Boron, total	0.111	mg/L
APW02	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW02	Compliance	E003	10/10/2023	Calcium, total	506	mg/L
APW02	Compliance	E003	10/10/2023	Chloride, total	100	mg/L
APW02	Compliance	E003	10/10/2023	Chromium, total	0.0009 J	mg/L
APW02	Compliance	E003	10/10/2023	Cobalt, total	0.0004 J	mg/L
APW02	Compliance	E003	10/10/2023	Dissolved Oxygen	0.280	mg/L
APW02	Compliance	E003	10/10/2023	Fluoride, total	0.230	mg/L
APW02	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW02	Compliance	E003	10/10/2023	Lithium, total	0.105	mg/L
APW02	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW02	Compliance	E003	10/10/2023	Molybdenum, total	0.00160	mg/L
APW02	Compliance	E003	10/10/2023	Oxidation Reduction Potential	11.0	mV
APW02	Compliance	E003	10/10/2023	pH (field)	6.7	SU
APW02	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	0.843 U*	pCi/L
APW02	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW02	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	4,390	micromhos/cm
APW02	Compliance	E003	10/10/2023	Sulfate, total	2,900	mg/L
APW02	Compliance	E003	10/10/2023	Temperature	17.3	degrees C
APW02	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW02	Compliance	E003	10/10/2023	Total Dissolved Solids	3,890	mg/L
APW02	Compliance	E003	10/10/2023	Turbidity, field	6.40	NTU
APW03	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW03	Compliance	E003	10/10/2023	Arsenic, total	0.0007 J	mg/L
APW03	Compliance	E003	10/10/2023	Barium, total	0.110	mg/L
APW03	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW03	Compliance	E003	10/10/2023	Boron, total	0.440	mg/L
APW03	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW03	Compliance	E003	10/10/2023	Calcium, total	92.5	mg/L
APW03	Compliance	E003	10/10/2023	Chloride, total	7.00	mg/L
APW03	Compliance	E003	10/10/2023	Chromium, total	0.00300	mg/L
APW03	Compliance	E003	10/10/2023	Cobalt, total	0.0003 J	mg/L
APW03	Compliance	E003	10/10/2023	Dissolved Oxygen	0.510	mg/L
APW03	Compliance	E003	10/10/2023	Fluoride, total	0.260	mg/L
APW03	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW03	Compliance	E003	10/10/2023	Lithium, total	0.0111	mg/L

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 NEWTON POWER PLANT
 PRIMARY ASH POND
 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW03	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW03	Compliance	E003	10/10/2023	Molybdenum, total	0.0009 J	mg/L
APW03	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-10.0	mV
APW03	Compliance	E003	10/10/2023	pH (field)	6.9	SU
APW03	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	0.564 U*	pCi/L
APW03	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW03	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	840	micromhos/cm
APW03	Compliance	E003	10/10/2023	Sulfate, total	113	mg/L
APW03	Compliance	E003	10/10/2023	Temperature	19.8	degrees C
APW03	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW03	Compliance	E003	10/10/2023	Total Dissolved Solids	628	mg/L
APW03	Compliance	E003	10/10/2023	Turbidity, field	6.80	NTU
APW04	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW04	Compliance	E003	10/10/2023	Arsenic, total	0.0006 J	mg/L
APW04	Compliance	E003	10/10/2023	Barium, total	0.0200	mg/L
APW04	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW04	Compliance	E003	10/10/2023	Boron, total	0.0322	mg/L
APW04	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW04	Compliance	E003	10/10/2023	Calcium, total	206	mg/L
APW04	Compliance	E003	10/10/2023	Chloride, total	34.0	mg/L
APW04	Compliance	E003	10/10/2023	Chromium, total	0.00290	mg/L
APW04	Compliance	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW04	Compliance	E003	10/10/2023	Dissolved Oxygen	0.470	mg/L
APW04	Compliance	E003	10/10/2023	Fluoride, total	0.200	mg/L
APW04	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW04	Compliance	E003	10/10/2023	Lithium, total	0.0218	mg/L
APW04	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW04	Compliance	E003	10/10/2023	Molybdenum, total	0.001 J	mg/L
APW04	Compliance	E003	10/10/2023	Oxidation Reduction Potential	19.0	mV
APW04	Compliance	E003	10/10/2023	pH (field)	6.8	SU
APW04	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	1.08 U*	pCi/L
APW04	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW04	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	1,810	micromhos/cm
APW04	Compliance	E003	10/10/2023	Sulfate, total	808	mg/L
APW04	Compliance	E003	10/10/2023	Temperature	17.8	degrees C
APW04	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW04	Compliance	E003	10/10/2023	Total Dissolved Solids	1,710	mg/L
APW04	Compliance	E003	10/10/2023	Turbidity, field	9.80	NTU
APW05S	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW05S	Compliance	E003	10/10/2023	Arsenic, total	0.00140	mg/L
APW05S	Compliance	E003	10/10/2023	Barium, total	0.0478	mg/L
APW05S	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW05S	Compliance	E003	10/10/2023	Boron, total	0.0380	mg/L
APW05S	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW05S	Compliance	E003	10/10/2023	Calcium, total	373	mg/L
APW05S	Compliance	E003	10/10/2023	Chloride, total	112	mg/L

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

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW05S	Compliance	E003	10/10/2023	Chromium, total	0.00260	mg/L
APW05S	Compliance	E003	10/10/2023	Cobalt, total	0.0007 J	mg/L
APW05S	Compliance	E003	10/10/2023	Dissolved Oxygen	0.720	mg/L
APW05S	Compliance	E003	10/10/2023	Fluoride, total	0.410	mg/L
APW05S	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW05S	Compliance	E003	10/10/2023	Lithium, total	0.0328	mg/L
APW05S	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW05S	Compliance	E003	10/10/2023	Molybdenum, total	0.00330	mg/L
APW05S	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-2.00	mV
APW05S	Compliance	E003	10/10/2023	pH (field)	6.7	SU
APW05S	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	0.624	pCi/L
APW05S	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW05S	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	3,800	micromhos/cm
APW05S	Compliance	E003	10/10/2023	Sulfate, total	1,700	mg/L
APW05S	Compliance	E003	10/10/2023	Temperature	16.5	degrees C
APW05S	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW05S	Compliance	E003	10/10/2023	Total Dissolved Solids	3,240	mg/L
APW05S	Compliance	E003	10/10/2023	Turbidity, field	61.0	NTU
APW07	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW07	Compliance	E003	10/10/2023	Arsenic, total	0.0225	mg/L
APW07	Compliance	E003	10/10/2023	Barium, total	0.808	mg/L
APW07	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW07	Compliance	E003	10/10/2023	Boron, total	0.0680	mg/L
APW07	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW07	Compliance	E003	10/10/2023	Calcium, total	96.2	mg/L
APW07	Compliance	E003	10/10/2023	Chloride, total	67.0	mg/L
APW07	Compliance	E003	10/10/2023	Chromium, total	0.00170	mg/L
APW07	Compliance	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW07	Compliance	E003	10/10/2023	Dissolved Oxygen	9.16	mg/L
APW07	Compliance	E003	10/10/2023	Fluoride, total	0.420	mg/L
APW07	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW07	Compliance	E003	10/10/2023	Lithium, total	0.0025 J	mg/L
APW07	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW07	Compliance	E003	10/10/2023	Molybdenum, total	0.00310	mg/L
APW07	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-68.0	mV
APW07	Compliance	E003	10/10/2023	pH (field)	7.6	SU
APW07	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	2.8 U*	pCi/L
APW07	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW07	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	894	micromhos/cm
APW07	Compliance	E003	10/10/2023	Sulfate, total	16.0	mg/L
APW07	Compliance	E003	10/10/2023	Temperature	13.3	degrees C
APW07	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW07	Compliance	E003	10/10/2023	Total Dissolved Solids	630	mg/L
APW07	Compliance	E003	10/10/2023	Turbidity, field	10.0	NTU
APW08	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW08	Compliance	E003	10/10/2023	Arsenic, total	0.0366	mg/L

TABLE 1.
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 NEWTON POWER PLANT
 PRIMARY ASH POND
 NEWTON, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW08	Compliance	E003	10/10/2023	Barium, total	0.777	mg/L
APW08	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW08	Compliance	E003	10/10/2023	Boron, total	0.0710	mg/L
APW08	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW08	Compliance	E003	10/10/2023	Calcium, total	103	mg/L
APW08	Compliance	E003	10/10/2023	Chloride, total	60.0	mg/L
APW08	Compliance	E003	10/10/2023	Chromium, total	0.001 J	mg/L
APW08	Compliance	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW08	Compliance	E003	10/10/2023	Dissolved Oxygen	0.640	mg/L
APW08	Compliance	E003	10/10/2023	Fluoride, total	0.480	mg/L
APW08	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW08	Compliance	E003	10/10/2023	Lithium, total	0.0022 J	mg/L
APW08	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW08	Compliance	E003	10/10/2023	Molybdenum, total	0.00580	mg/L
APW08	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-64.0	mV
APW08	Compliance	E003	10/10/2023	pH (field)	7.4	SU
APW08	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	2.04 U*	pCi/L
APW08	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW08	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	952	micromhos/cm
APW08	Compliance	E003	10/10/2023	Sulfate, total	57.0	mg/L
APW08	Compliance	E003	10/10/2023	Temperature	14.9	degrees C
APW08	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW08	Compliance	E003	10/10/2023	Total Dissolved Solids	615	mg/L
APW08	Compliance	E003	10/10/2023	Turbidity, field	4.20	NTU
APW09	Compliance	E003	10/10/2023	Antimony, total	0.00180	mg/L
APW09	Compliance	E003	10/10/2023	Arsenic, total	0.0114	mg/L
APW09	Compliance	E003	10/10/2023	Barium, total	0.406	mg/L
APW09	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW09	Compliance	E003	10/10/2023	Boron, total	0.0780	mg/L
APW09	Compliance	E003	10/10/2023	Cadmium, total	0.0003 J	mg/L
APW09	Compliance	E003	10/10/2023	Calcium, total	69.2	mg/L
APW09	Compliance	E003	10/10/2023	Chloride, total	94.0	mg/L
APW09	Compliance	E003	10/10/2023	Chromium, total	0.00330	mg/L
APW09	Compliance	E003	10/10/2023	Cobalt, total	0.0005 J	mg/L
APW09	Compliance	E003	10/10/2023	Dissolved Oxygen	0.190	mg/L
APW09	Compliance	E003	10/10/2023	Fluoride, total	0.630	mg/L
APW09	Compliance	E003	10/10/2023	Lead, total	0.0008 J	mg/L
APW09	Compliance	E003	10/10/2023	Lithium, total	0.00660	mg/L
APW09	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW09	Compliance	E003	10/10/2023	Molybdenum, total	0.0165	mg/L
APW09	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-46.0	mV
APW09	Compliance	E003	10/10/2023	pH (field)	7.6	SU
APW09	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	0.571	pCi/L
APW09	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW09	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	988	micromhos/cm
APW09	Compliance	E003	10/10/2023	Sulfate, total	32.0	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW09	Compliance	E003	10/10/2023	Temperature	14.5	degrees C
APW09	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW09	Compliance	E003	10/10/2023	Total Dissolved Solids	760	mg/L
APW09	Compliance	E003	10/10/2023	Turbidity, field	5.90	NTU
APW10	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW10	Compliance	E003	10/10/2023	Arsenic, total	0.0120	mg/L
APW10	Compliance	E003	10/10/2023	Barium, total	0.0397	mg/L
APW10	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW10	Compliance	E003	10/10/2023	Boron, total	0.0626	mg/L
APW10	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW10	Compliance	E003	10/10/2023	Calcium, total	146	mg/L
APW10	Compliance	E003	10/10/2023	Chloride, total	43.0	mg/L
APW10	Compliance	E003	10/10/2023	Chromium, total	0.0009 J	mg/L
APW10	Compliance	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW10	Compliance	E003	10/10/2023	Dissolved Oxygen	2.77	mg/L
APW10	Compliance	E003	10/10/2023	Fluoride, total	0.340	mg/L
APW10	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW10	Compliance	E003	10/10/2023	Lithium, total	0.0182	mg/L
APW10	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW10	Compliance	E003	10/10/2023	Molybdenum, total	0.0112	mg/L
APW10	Compliance	E003	10/10/2023	Oxidation Reduction Potential	3.00	mV
APW10	Compliance	E003	10/10/2023	pH (field)	7.3	SU
APW10	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	1.01 U*	pCi/L
APW10	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW10	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	1,280	micromhos/cm
APW10	Compliance	E003	10/10/2023	Sulfate, total	399	mg/L
APW10	Compliance	E003	10/10/2023	Temperature	14.2	degrees C
APW10	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW10	Compliance	E003	10/10/2023	Total Dissolved Solids	1,050	mg/L
APW10	Compliance	E003	10/10/2023	Turbidity, field	8.00	NTU
APW11	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW11	Compliance	E003	10/10/2023	Arsenic, total	0.00490	mg/L
APW11	Compliance	E003	10/10/2023	Barium, total	0.0448	mg/L
APW11	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW11	Compliance	E003	10/10/2023	Boron, total	0.0578	mg/L
APW11	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW11	Compliance	E003	10/10/2023	Calcium, total	126	mg/L
APW11	Compliance	E003	10/10/2023	Chloride, total	26.0	mg/L
APW11	Compliance	E003	10/10/2023	Chromium, total	0.0014 J	mg/L
APW11	Compliance	E003	10/10/2023	Cobalt, total	0.0003 J	mg/L
APW11	Compliance	E003	10/10/2023	Dissolved Oxygen	0.630	mg/L
APW11	Compliance	E003	10/10/2023	Fluoride, total	0.370	mg/L
APW11	Compliance	E003	10/10/2023	Lead, total	0.0008 J	mg/L
APW11	Compliance	E003	10/10/2023	Lithium, total	0.0201	mg/L
APW11	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW11	Compliance	E003	10/10/2023	Molybdenum, total	0.00510	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW11	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-117	mV
APW11	Compliance	E003	10/10/2023	pH (field)	7.5	SU
APW11	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	0.854 U*	pCi/L
APW11	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW11	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	1,310	micromhos/cm
APW11	Compliance	E003	10/10/2023	Sulfate, total	277	mg/L
APW11	Compliance	E003	10/10/2023	Temperature	15.6	degrees C
APW11	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW11	Compliance	E003	10/10/2023	Total Dissolved Solids	835	mg/L
APW11	Compliance	E003	10/10/2023	Turbidity, field	54.0	NTU
APW12	Compliance	E003	10/11/2023	Antimony, total	0.0004 U	mg/L
APW12	Compliance	E003	10/11/2023	Arsenic, total	0.0008 J	mg/L
APW12	Compliance	E003	10/11/2023	Barium, total	0.0345	mg/L
APW12	Compliance	E003	10/11/2023	Beryllium, total	0.0002 U	mg/L
APW12	Compliance	E003	10/11/2023	Boron, total	0.724	mg/L
APW12	Compliance	E003	10/11/2023	Cadmium, total	0.0002 U	mg/L
APW12	Compliance	E003	10/11/2023	Calcium, total	275	mg/L
APW12	Compliance	E003	10/11/2023	Chloride, total	31.0	mg/L
APW12	Compliance	E003	10/11/2023	Chromium, total	0.0008 J	mg/L
APW12	Compliance	E003	10/11/2023	Cobalt, total	0.00120	mg/L
APW12	Compliance	E003	10/11/2023	Dissolved Oxygen	0.710	mg/L
APW12	Compliance	E003	10/11/2023	Fluoride, total	0.220	mg/L
APW12	Compliance	E003	10/11/2023	Lead, total	0.0006 U	mg/L
APW12	Compliance	E003	10/11/2023	Lithium, total	0.0365	mg/L
APW12	Compliance	E003	10/11/2023	Mercury, total	0.00006 U	mg/L
APW12	Compliance	E003	10/11/2023	Molybdenum, total	0.0006 U	mg/L
APW12	Compliance	E003	10/11/2023	Oxidation Reduction Potential	6.00	mV
APW12	Compliance	E003	10/11/2023	pH (field)	6.1	SU
APW12	Compliance	E003	10/11/2023	Radium 226 + Radium 228, total	0.891 U*	pCi/L
APW12	Compliance	E003	10/11/2023	Selenium, total	0.0006 U	mg/L
APW12	Compliance	E003	10/11/2023	Specific Conductance @ 25C (field)	2,190	micromhos/cm
APW12	Compliance	E003	10/11/2023	Sulfate, total	712	mg/L
APW12	Compliance	E003	10/11/2023	Temperature	14.6	degrees C
APW12	Compliance	E003	10/11/2023	Thallium, total	0.001 U	mg/L
APW12	Compliance	E003	10/11/2023	Total Dissolved Solids	1,740	mg/L
APW12	Compliance	E003	10/11/2023	Turbidity, field	11.0	NTU
APW13	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW13	Compliance	E003	10/10/2023	Arsenic, total	0.00440	mg/L
APW13	Compliance	E003	10/10/2023	Barium, total	0.0642	mg/L
APW13	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW13	Compliance	E003	10/10/2023	Boron, total	0.102	mg/L
APW13	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW13	Compliance	E003	10/10/2023	Calcium, total	120	mg/L
APW13	Compliance	E003	10/10/2023	Chloride, total	53.0	mg/L
APW13	Compliance	E003	10/10/2023	Chromium, total	0.0007 U	mg/L
APW13	Compliance	E003	10/10/2023	Cobalt, total	0.0001 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW13	Compliance	E003	10/10/2023	Dissolved Oxygen	0.290	mg/L
APW13	Compliance	E003	10/10/2023	Fluoride, total	0.440	mg/L
APW13	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW13	Compliance	E003	10/10/2023	Lithium, total	0.0240	mg/L
APW13	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW13	Compliance	E003	10/10/2023	Molybdenum, total	0.00870	mg/L
APW13	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-31.0	mV
APW13	Compliance	E003	10/10/2023	pH (field)	7.2	SU
APW13	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	0.663	pCi/L
APW13	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW13	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	1,190	micromhos/cm
APW13	Compliance	E003	10/10/2023	Sulfate, total	234	mg/L
APW13	Compliance	E003	10/10/2023	Temperature	13.8	degrees C
APW13	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW13	Compliance	E003	10/10/2023	Total Dissolved Solids	936	mg/L
APW13	Compliance	E003	10/10/2023	Turbidity, field	1.30	NTU
APW14	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW14	Compliance	E003	10/10/2023	Arsenic, total	0.00940	mg/L
APW14	Compliance	E003	10/10/2023	Barium, total	0.0758	mg/L
APW14	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW14	Compliance	E003	10/10/2023	Boron, total	0.0888	mg/L
APW14	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW14	Compliance	E003	10/10/2023	Calcium, total	138	mg/L
APW14	Compliance	E003	10/10/2023	Chloride, total	41.0	mg/L
APW14	Compliance	E003	10/10/2023	Chromium, total	0.00150 J	mg/L
APW14	Compliance	E003	10/10/2023	Cobalt, total	0.0003 J	mg/L
APW14	Compliance	E003	10/10/2023	Dissolved Oxygen	0.190	mg/L
APW14	Compliance	E003	10/10/2023	Fluoride, total	0.330	mg/L
APW14	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW14	Compliance	E003	10/10/2023	Lithium, total	0.0205	mg/L
APW14	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW14	Compliance	E003	10/10/2023	Molybdenum, total	0.00580	mg/L
APW14	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-68.0	mV
APW14	Compliance	E003	10/10/2023	pH (field)	7.3	SU
APW14	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	1.57 U*	pCi/L
APW14	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW14	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	1,280	micromhos/cm
APW14	Compliance	E003	10/10/2023	Sulfate, total	358	mg/L
APW14	Compliance	E003	10/10/2023	Temperature	13.8	degrees C
APW14	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW14	Compliance	E003	10/10/2023	Total Dissolved Solids	990	mg/L
APW14	Compliance	E003	10/10/2023	Turbidity, field	7.00	NTU
APW15	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW15	Compliance	E003	10/10/2023	Arsenic, total	0.0319	mg/L
APW15	Compliance	E003	10/10/2023	Barium, total	0.708	mg/L
APW15	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW15	Compliance	E003	10/10/2023	Boron, total	0.123	mg/L
APW15	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW15	Compliance	E003	10/10/2023	Calcium, total	96.0	mg/L
APW15	Compliance	E003	10/10/2023	Chloride, total	227	mg/L
APW15	Compliance	E003	10/10/2023	Chromium, total	0.00710	mg/L
APW15	Compliance	E003	10/10/2023	Cobalt, total	0.00160	mg/L
APW15	Compliance	E003	10/10/2023	Dissolved Oxygen	0 U	mg/L
APW15	Compliance	E003	10/10/2023	Fluoride, total	0.480	mg/L
APW15	Compliance	E003	10/10/2023	Lead, total	0.00270	mg/L
APW15	Compliance	E003	10/10/2023	Lithium, total	0.00730	mg/L
APW15	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW15	Compliance	E003	10/10/2023	Molybdenum, total	0.00730	mg/L
APW15	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-104	mV
APW15	Compliance	E003	10/10/2023	pH (field)	7.1	SU
APW15	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	3.51 U*	pCi/L
APW15	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW15	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	1,700	micromhos/cm
APW15	Compliance	E003	10/10/2023	Sulfate, total	12.0	mg/L
APW15	Compliance	E003	10/10/2023	Temperature	15.0	degrees C
APW15	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW15	Compliance	E003	10/10/2023	Total Dissolved Solids	1,140	mg/L
APW15	Compliance	E003	10/10/2023	Turbidity, field	56.0	NTU
APW16	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW16	Compliance	E003	10/10/2023	Arsenic, total	0.0253	mg/L
APW16	Compliance	E003	10/10/2023	Barium, total	0.597	mg/L
APW16	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW16	Compliance	E003	10/10/2023	Boron, total	0.126	mg/L
APW16	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW16	Compliance	E003	10/10/2023	Calcium, total	92.9	mg/L
APW16	Compliance	E003	10/10/2023	Chloride, total	69.0	mg/L
APW16	Compliance	E003	10/10/2023	Chromium, total	0.0009 J	mg/L
APW16	Compliance	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW16	Compliance	E003	10/10/2023	Dissolved Oxygen	0.250	mg/L
APW16	Compliance	E003	10/10/2023	Fluoride, total	0.770	mg/L
APW16	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW16	Compliance	E003	10/10/2023	Lithium, total	0.0029 J	mg/L
APW16	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW16	Compliance	E003	10/10/2023	Molybdenum, total	0.0006 U	mg/L
APW16	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-70.0	mV
APW16	Compliance	E003	10/10/2023	pH (field)	7.4	SU
APW16	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	2.55 U*	pCi/L
APW16	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW16	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	1,090	micromhos/cm
APW16	Compliance	E003	10/10/2023	Sulfate, total	8 J	mg/L
APW16	Compliance	E003	10/10/2023	Temperature	13.2	degrees C
APW16	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW16	Compliance	E003	10/10/2023	Total Dissolved Solids	768	mg/L
APW16	Compliance	E003	10/10/2023	Turbidity, field	1.40	NTU
APW17	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW17	Compliance	E003	10/10/2023	Arsenic, total	0.0320	mg/L
APW17	Compliance	E003	10/10/2023	Barium, total	0.741	mg/L
APW17	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW17	Compliance	E003	10/10/2023	Boron, total	0.0788	mg/L
APW17	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW17	Compliance	E003	10/10/2023	Calcium, total	107	mg/L
APW17	Compliance	E003	10/10/2023	Chloride, total	59.0	mg/L
APW17	Compliance	E003	10/10/2023	Chromium, total	0.001 J	mg/L
APW17	Compliance	E003	10/10/2023	Cobalt, total	0.0003 J	mg/L
APW17	Compliance	E003	10/10/2023	Dissolved Oxygen	0.270	mg/L
APW17	Compliance	E003	10/10/2023	Fluoride, total	0.540	mg/L
APW17	Compliance	E003	10/10/2023	Lead, total	0.0006 U	mg/L
APW17	Compliance	E003	10/10/2023	Lithium, total	0.0024 J	mg/L
APW17	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW17	Compliance	E003	10/10/2023	Molybdenum, total	0.0172	mg/L
APW17	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-73.0	mV
APW17	Compliance	E003	10/10/2023	pH (field)	7.5	SU
APW17	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	2.3 U*	pCi/L
APW17	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW17	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	993	micromhos/cm
APW17	Compliance	E003	10/10/2023	Sulfate, total	64.0	mg/L
APW17	Compliance	E003	10/10/2023	Temperature	13.7	degrees C
APW17	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW17	Compliance	E003	10/10/2023	Total Dissolved Solids	692	mg/L
APW17	Compliance	E003	10/10/2023	Turbidity, field	7.50	NTU
APW18	Compliance	E003	10/10/2023	Antimony, total	0.0004 U	mg/L
APW18	Compliance	E003	10/10/2023	Arsenic, total	0.00260	mg/L
APW18	Compliance	E003	10/10/2023	Barium, total	0.443	mg/L
APW18	Compliance	E003	10/10/2023	Beryllium, total	0.0002 U	mg/L
APW18	Compliance	E003	10/10/2023	Boron, total	0.0971	mg/L
APW18	Compliance	E003	10/10/2023	Cadmium, total	0.0002 U	mg/L
APW18	Compliance	E003	10/10/2023	Calcium, total	75.5	mg/L
APW18	Compliance	E003	10/10/2023	Chloride, total	23.0	mg/L
APW18	Compliance	E003	10/10/2023	Chromium, total	0.001 J	mg/L
APW18	Compliance	E003	10/10/2023	Cobalt, total	0.0002 J	mg/L
APW18	Compliance	E003	10/10/2023	Dissolved Oxygen	0.220	mg/L
APW18	Compliance	E003	10/10/2023	Fluoride, total	0.590	mg/L
APW18	Compliance	E003	10/10/2023	Lead, total	0.00330	mg/L
APW18	Compliance	E003	10/10/2023	Lithium, total	0.00520	mg/L
APW18	Compliance	E003	10/10/2023	Mercury, total	0.00006 U	mg/L
APW18	Compliance	E003	10/10/2023	Molybdenum, total	0.00430	mg/L
APW18	Compliance	E003	10/10/2023	Oxidation Reduction Potential	-100	mV
APW18	Compliance	E003	10/10/2023	pH (field)	8.1	SU

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

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
APW18	Compliance	E003	10/10/2023	Radium 226 + Radium 228, total	1.26 U*	pCi/L
APW18	Compliance	E003	10/10/2023	Selenium, total	0.0006 U	mg/L
APW18	Compliance	E003	10/10/2023	Specific Conductance @ 25C (field)	866	micromhos/cm
APW18	Compliance	E003	10/10/2023	Sulfate, total	49.0	mg/L
APW18	Compliance	E003	10/10/2023	Temperature	13.5	degrees C
APW18	Compliance	E003	10/10/2023	Thallium, total	0.001 U	mg/L
APW18	Compliance	E003	10/10/2023	Total Dissolved Solids	614	mg/L
APW18	Compliance	E003	10/10/2023	Turbidity, field	8.50	NTU

Notes:

C = Celsius

cm = centimeter

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

SU = Standard Units

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

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 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	E003	Antimony, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW02	UD	E003	Arsenic, total	mg/L	02/17/21 - 10/10/23	12	75	CI around median	0.001	0.0590	Background	No Exceedance
APW02	UD	E003	Barium, total	mg/L	02/17/21 - 10/10/23	12	0	CI around mean	0.00985	2.0	Standard	No Exceedance
APW02	UD	E003	Beryllium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW02	UD	E003	Boron, total	mg/L	02/17/21 - 10/10/23	12	0	CI around geomean	0.111	2	Standard	No Exceedance
APW02	UD	E003	Cadmium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW02	UD	E003	Chloride, total	mg/L	02/17/21 - 10/10/23	12	0	CI around mean	100	200	Standard	No Exceedance
APW02	UD	E003	Chromium, total	mg/L	02/17/21 - 10/10/23	12	83	CI around median	0.0022	0.1	Standard	No Exceedance
APW02	UD	E003	Cobalt, total	mg/L	02/17/21 - 10/10/23	12	92	CI around median	0.0016	0.006	Standard	No Exceedance
APW02	UD	E003	Fluoride, total	mg/L	02/17/21 - 10/10/23	12	83	CI around median	0.23	4.0	Standard	No Exceedance
APW02	UD	E003	Lead, total	mg/L	02/17/21 - 10/10/23	12	92	CI around median	0.001	0.0075	Standard	No Exceedance
APW02	UD	E003	Lithium, total	mg/L	02/17/21 - 10/10/23	12	0	CI around geomean	0.0954	0.04	Standard	Exceedance
APW02	UD	E003	Mercury, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW02	UD	E003	Molybdenum, total	mg/L	02/17/21 - 10/10/23	11	54	CI around median	0.001	0.1	Standard	No Exceedance
APW02	UD	E003	pH (field)	SU	02/17/21 - 10/10/23	18	0	CI around mean	6.7/6.8	6.4/9.0	Background/Standard	No Exceedance
APW02	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/10/23	11	0	CI around mean	0.323	6.90	Background	No Exceedance
APW02	UD	E003	Selenium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW02	UD	E003	Sulfate, total	mg/L	02/17/21 - 10/10/23	12	0	CI around median	2,860	400	Standard	Exceedance
APW02	UD	E003	Thallium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW02	UD	E003	Total Dissolved Solids	mg/L	02/17/21 - 10/10/23	18	0	CI around median	5,000	1,200	Standard	Exceedance
APW03	UD	E003	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW03	UD	E003	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.0590	Background	No Exceedance
APW03	UD	E003	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.0651	2.0	Standard	No Exceedance
APW03	UD	E003	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW03	UD	E003	Boron, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.387	2	Standard	No Exceedance
APW03	UD	E003	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW03	UD	E003	Chloride, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	7.43	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 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	E003	Chromium, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.003	0.1	Standard	No Exceedance
APW03	UD	E003	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW03	UD	E003	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	75	CI around median	0.25	4.0	Standard	No Exceedance
APW03	UD	E003	Lead, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.001	0.0075	Standard	No Exceedance
APW03	UD	E003	Lithium, total	mg/L	02/18/21 - 10/10/23	12	33	CI around mean	0.0116	0.04	Standard	No Exceedance
APW03	UD	E003	Mercury, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW03	UD	E003	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	27	CI around mean	0.0011	0.1	Standard	No Exceedance
APW03	UD	E003	pH (field)	SU	02/18/21 - 10/10/23	18	0	CI around mean	6.8/7.2	6.4/9.0	Background/Standard	No Exceedance
APW03	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around mean	0.227	6.90	Background	No Exceedance
APW03	UD	E003	Selenium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW03	UD	E003	Sulfate, total	mg/L	02/18/21 - 10/10/23	12	0	CB around linear reg	91.3	400	Standard	No Exceedance
APW03	UD	E003	Thallium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW03	UD	E003	Total Dissolved Solids	mg/L	02/18/21 - 10/10/23	18	0	CI around mean	627	1,200	Standard	No Exceedance
APW04	UD	E003	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW04	UD	E003	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	50	CI around median	0.001	0.0590	Background	No Exceedance
APW04	UD	E003	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.019	2.0	Standard	No Exceedance
APW04	UD	E003	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW04	UD	E003	Boron, total	mg/L	02/18/21 - 10/10/23	12	0	CI around median	0.024	2	Standard	No Exceedance
APW04	UD	E003	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.001	0.005	Standard	No Exceedance
APW04	UD	E003	Chloride, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	30.2	200	Standard	No Exceedance
APW04	UD	E003	Chromium, total	mg/L	02/18/21 - 10/10/23	12	75	CI around median	0.004	0.1	Standard	No Exceedance
APW04	UD	E003	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW04	UD	E003	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.2	4.0	Standard	No Exceedance
APW04	UD	E003	Lead, total	mg/L	02/18/21 - 10/10/23	12	67	CI around median	0.001	0.0075	Standard	No Exceedance
APW04	UD	E003	Lithium, total	mg/L	02/18/21 - 10/10/23	12	25	CI around median	0.02	0.04	Standard	No Exceedance
APW04	UD	E003	Mercury, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW04	UD	E003	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	91	CI around median	0.001	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 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	E003	pH (field)	SU	02/18/21 - 10/10/23	18	0	CI around geomean	6.6/7.2	6.4/9.0	Background/Standard	No Exceedance
APW04	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around mean	0.165	6.90	Background	No Exceedance
APW04	UD	E003	Selenium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW04	UD	E003	Sulfate, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	832	400	Standard	Exceedance
APW04	UD	E003	Thallium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW04	UD	E003	Total Dissolved Solids	mg/L	02/18/21 - 10/10/23	18	0	CI around mean	1,720	1,200	Standard	Exceedance
APW05S	UD	E003	Antimony, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW05S	UD	E003	Arsenic, total	mg/L	02/17/21 - 10/10/23	11	36	CI around mean	0.00107	0.0590	Background	No Exceedance
APW05S	UD	E003	Barium, total	mg/L	02/17/21 - 10/10/23	11	0	CI around geomean	0.0396	2.0	Standard	No Exceedance
APW05S	UD	E003	Beryllium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW05S	UD	E003	Boron, total	mg/L	02/17/21 - 10/10/23	11	0	CI around median	0.039	2	Standard	No Exceedance
APW05S	UD	E003	Cadmium, total	mg/L	02/17/21 - 10/10/23	11	91	CI around median	0.001	0.005	Standard	No Exceedance
APW05S	UD	E003	Chloride, total	mg/L	02/17/21 - 10/10/23	11	0	CI around geomean	143	200	Standard	No Exceedance
APW05S	UD	E003	Chromium, total	mg/L	02/17/21 - 10/10/23	11	82	CI around median	0.0026	0.1	Standard	No Exceedance
APW05S	UD	E003	Cobalt, total	mg/L	02/17/21 - 10/10/23	11	36	CI around geomean	0.000958	0.006	Standard	No Exceedance
APW05S	UD	E003	Fluoride, total	mg/L	02/17/21 - 10/10/23	11	0	CI around mean	0.361	4.0	Standard	No Exceedance
APW05S	UD	E003	Lead, total	mg/L	02/17/21 - 10/10/23	11	91	CI around median	0.001	0.0075	Standard	No Exceedance
APW05S	UD	E003	Lithium, total	mg/L	02/17/21 - 10/10/23	11	0	CI around median	0.033	0.04	Standard	No Exceedance
APW05S	UD	E003	Mercury, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW05S	UD	E003	Molybdenum, total	mg/L	02/17/21 - 10/10/23	10	10	CI around mean	0.000892	0.1	Standard	No Exceedance
APW05S	UD	E003	pH (field)	SU	02/17/21 - 10/10/23	11	0	CI around mean	6.7/6.9	6.4/9.0	Background/Standard	No Exceedance
APW05S	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/10/23	10	0	CI around geomean	0.177	6.90	Background	No Exceedance
APW05S	UD	E003	Selenium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW05S	UD	E003	Sulfate, total	mg/L	02/17/21 - 10/10/23	11	0	CI around median	640	400	Standard	Exceedance
APW05S	UD	E003	Thallium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW05S	UD	E003	Total Dissolved Solids	mg/L	02/17/21 - 10/10/23	11	0	CI around mean	3,360	1,200	Standard	Exceedance
APW07	UA	E003	Antimony, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
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	E003	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0141	0.0590	Background	No Exceedance
APW07	UA	E003	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CB around T-S line	0.515	2.0	Standard	No Exceedance
APW07	UA	E003	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW07	UA	E003	Boron, total	mg/L	12/15/15 - 10/10/23	24	0	CI around geomean	0.0745	2	Standard	No Exceedance
APW07	UA	E003	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW07	UA	E003	Chloride, total	mg/L	12/15/15 - 10/10/23	27	0	CB around T-S line	55.2	200	Standard	No Exceedance
APW07	UA	E003	Chromium, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.004	0.1	Standard	No Exceedance
APW07	UA	E003	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	85	CI around median	0.002	0.006	Standard	No Exceedance
APW07	UA	E003	Fluoride, total	mg/L	12/15/15 - 10/10/23	24	4	CI around mean	0.366	4.0	Standard	No Exceedance
APW07	UA	E003	Lead, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.001	0.0075	Standard	No Exceedance
APW07	UA	E003	Lithium, total	mg/L	12/15/15 - 10/10/23	14	93	CI around median	0.01	0.04	Standard	No Exceedance
APW07	UA	E003	Mercury, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW07	UA	E003	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CB around linear reg	-0.00235	0.1	Standard	No Exceedance
APW07	UA	E003	pH (field)	SU	12/15/15 - 10/10/23	26	0	CI around mean	7.2/7.3	6.4/9.0	Background/Standard	No Exceedance
APW07	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CB around linear reg	1.69	6.90	Background	No Exceedance
APW07	UA	E003	Selenium, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW07	UA	E003	Sulfate, total	mg/L	12/15/15 - 10/10/23	25	16	CB around T-S line	9.72	400	Standard	No Exceedance
APW07	UA	E003	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW07	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 10/10/23	24	0	CB around T-S line	529	1,200	Standard	No Exceedance
APW08	UA	E003	Antimony, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW08	UA	E003	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0225	0.0590	Background	No Exceedance
APW08	UA	E003	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.485	2.0	Standard	No Exceedance
APW08	UA	E003	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW08	UA	E003	Boron, total	mg/L	12/15/15 - 10/10/23	24	0	CI around geomean	0.0818	2	Standard	No Exceedance
APW08	UA	E003	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW08	UA	E003	Chloride, total	mg/L	12/15/15 - 10/10/23	26	0	CI around mean	54.9	200	Standard	No Exceedance
APW08	UA	E003	Chromium, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.004	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 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	E003	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	77	CI around median	0.002	0.006	Standard	No Exceedance
APW08	UA	E003	Fluoride, total	mg/L	12/15/15 - 10/10/23	24	8	CI around median	0.393	4.0	Standard	No Exceedance
APW08	UA	E003	Lead, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.001	0.0075	Standard	No Exceedance
APW08	UA	E003	Lithium, total	mg/L	12/15/15 - 10/10/23	14	71	CI around median	0.01	0.04	Standard	No Exceedance
APW08	UA	E003	Mercury, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW08	UA	E003	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CI around mean	0.00471	0.1	Standard	No Exceedance
APW08	UA	E003	pH (field)	SU	12/15/15 - 10/10/23	27	0	CI around mean	7.2/7.4	6.4/9.0	Background/Standard	No Exceedance
APW08	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CI around mean	1.06	6.90	Background	No Exceedance
APW08	UA	E003	Selenium, total	mg/L	12/15/15 - 10/10/23	14	93	CI around median	0.001	0.05	Standard	No Exceedance
APW08	UA	E003	Sulfate, total	mg/L	12/15/15 - 10/10/23	26	0	CB around linear reg	46.7	400	Standard	No Exceedance
APW08	UA	E003	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW08	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 10/10/23	24	0	CB around linear reg	592	1,200	Standard	No Exceedance
APW09	UA	E003	Antimony, total	mg/L	12/15/15 - 10/10/23	13	92	CI around median	0.003	0.006	Standard	No Exceedance
APW09	UA	E003	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0187	0.0590	Background	No Exceedance
APW09	UA	E003	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CI around mean	0.301	2.0	Standard	No Exceedance
APW09	UA	E003	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW09	UA	E003	Boron, total	mg/L	12/15/15 - 10/10/23	24	0	CB around T-S line	0.0835	2	Standard	No Exceedance
APW09	UA	E003	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW09	UA	E003	Chloride, total	mg/L	12/15/15 - 10/10/23	26	0	CI around median	95	200	Standard	No Exceedance
APW09	UA	E003	Chromium, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.004	0.1	Standard	No Exceedance
APW09	UA	E003	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	92	CI around median	0.002	0.006	Standard	No Exceedance
APW09	UA	E003	Fluoride, total	mg/L	12/15/15 - 10/10/23	25	4	CI around mean	0.457	4.0	Standard	No Exceedance
APW09	UA	E003	Lead, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.001	0.0075	Standard	No Exceedance
APW09	UA	E003	Lithium, total	mg/L	12/15/15 - 10/10/23	14	86	CI around median	0.01	0.04	Standard	No Exceedance
APW09	UA	E003	Mercury, total	mg/L	12/15/15 - 10/10/23	14	86	CI around median	0.0002	0.002	Standard	No Exceedance
APW09	UA	E003	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CB around linear reg	-0.00379	0.1	Standard	No Exceedance
APW09	UA	E003	pH (field)	SU	12/15/15 - 10/10/23	26	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 4, 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	GWPS	GWPS Source	Compliance Result
APW09	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CI around geomean	0.83	6.90	Background	No Exceedance
APW09	UA	E003	Selenium, total	mg/L	12/15/15 - 10/10/23	14	93	CI around median	0.001	0.05	Standard	No Exceedance
APW09	UA	E003	Sulfate, total	mg/L	12/15/15 - 10/10/23	26	8	CI around geomean	5.02	400	Standard	No Exceedance
APW09	UA	E003	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW09	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 10/10/23	25	0	CB around T-S line	775	1,200	Standard	No Exceedance
APW10	UA	E003	Antimony, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW10	UA	E003	Arsenic, total	mg/L	12/16/15 - 10/10/23	16	0	CI around mean	0.00635	0.0590	Background	No Exceedance
APW10	UA	E003	Barium, total	mg/L	12/16/15 - 10/10/23	16	0	CI around mean	0.0296	2.0	Standard	No Exceedance
APW10	UA	E003	Beryllium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW10	UA	E003	Boron, total	mg/L	12/16/15 - 10/10/23	26	0	CI around mean	0.0716	2	Standard	No Exceedance
APW10	UA	E003	Cadmium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW10	UA	E003	Chloride, total	mg/L	12/16/15 - 10/10/23	27	0	CI around mean	45.3	200	Standard	No Exceedance
APW10	UA	E003	Chromium, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW10	UA	E003	Cobalt, total	mg/L	12/16/15 - 10/10/23	15	93	CI around median	0.002	0.006	Standard	No Exceedance
APW10	UA	E003	Fluoride, total	mg/L	12/16/15 - 10/10/23	26	19	CI around mean	0.3	4.0	Standard	No Exceedance
APW10	UA	E003	Lead, total	mg/L	12/16/15 - 10/10/23	16	88	CI around median	0.001	0.0075	Standard	No Exceedance
APW10	UA	E003	Lithium, total	mg/L	12/16/15 - 10/10/23	16	6	CB around linear reg	0.0143	0.04	Standard	No Exceedance
APW10	UA	E003	Mercury, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW10	UA	E003	Molybdenum, total	mg/L	12/16/15 - 10/10/23	15	0	CB around linear reg	0.00579	0.1	Standard	No Exceedance
APW10	UA	E003	pH (field)	SU	12/16/15 - 10/10/23	29	0	CB around linear reg	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW10	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 10/10/23	16	0	CI around mean	0.477	6.90	Background	No Exceedance
APW10	UA	E003	Selenium, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW10	UA	E003	Sulfate, total	mg/L	12/16/15 - 10/10/23	28	0	CI around median	410	400	Standard	Exceedance
APW10	UA	E003	Thallium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW10	UA	E003	Total Dissolved Solids	mg/L	12/16/15 - 10/10/23	28	0	CB around linear reg	1,030	1,200	Standard	No Exceedance
APW11	UA	E003	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW11	UA	E003	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.00208	0.0590	Background	No Exceedance

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

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 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	E003	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CB around T-S line	-0.246	2.0	Standard	No Exceedance
APW11	UA	E003	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW11	UA	E003	Boron, total	mg/L	02/18/21 - 10/10/23	12	0	CB around T-S line	-0.0992	2	Standard	No Exceedance
APW11	UA	E003	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW11	UA	E003	Chloride, total	mg/L	02/18/21 - 10/10/23	12	0	CI around median	25	200	Standard	No Exceedance
APW11	UA	E003	Chromium, total	mg/L	02/18/21 - 10/10/23	12	67	CI around median	0.0039	0.1	Standard	No Exceedance
APW11	UA	E003	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	67	CI around median	0.0013	0.006	Standard	No Exceedance
APW11	UA	E003	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	42	CI around mean	0.258	4.0	Standard	No Exceedance
APW11	UA	E003	Lead, total	mg/L	02/18/21 - 10/10/23	12	58	CI around median	0.001	0.0075	Standard	No Exceedance
APW11	UA	E003	Lithium, total	mg/L	02/18/21 - 10/10/23	12	8	CI around mean	0.018	0.04	Standard	No Exceedance
APW11	UA	E003	Mercury, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.0002	0.002	Standard	No Exceedance
APW11	UA	E003	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	0	CI around median	0.0043	0.1	Standard	No Exceedance
APW11	UA	E003	pH (field)	SU	02/18/21 - 10/10/23	12	0	CI around median	6.6/7.4	6.4/9.0	Background/Standard	No Exceedance
APW11	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around geomean	0.56	6.90	Background	No Exceedance
APW11	UA	E003	Selenium, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.001	0.05	Standard	No Exceedance
APW11	UA	E003	Sulfate, total	mg/L	02/18/21 - 10/10/23	12	0	CI around median	260	400	Standard	No Exceedance
APW11	UA	E003	Thallium, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.001	0.002	Standard	No Exceedance
APW11	UA	E003	Total Dissolved Solids	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	815	1,200	Standard	No Exceedance
APW12	UD	E003	Antimony, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW12	UD	E003	Arsenic, total	mg/L	02/17/21 - 10/11/23	12	17	CI around mean	0.0012	0.0590	Background	No Exceedance
APW12	UD	E003	Barium, total	mg/L	02/17/21 - 10/11/23	12	0	CB around linear reg	0.0187	2.0	Standard	No Exceedance
APW12	UD	E003	Beryllium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW12	UD	E003	Boron, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	0.196	2	Standard	No Exceedance
APW12	UD	E003	Cadmium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW12	UD	E003	Chloride, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	22	200	Standard	No Exceedance
APW12	UD	E003	Chromium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW12	UD	E003	Cobalt, total	mg/L	02/17/21 - 10/11/23	12	17	CB around linear reg	-0.00141	0.006	Standard	No Exceedance

TABLE 2.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW12	UD	E003	Fluoride, total	mg/L	02/17/21 - 10/11/23	12	83	CI around median	0.22	4.0	Standard	No Exceedance
APW12	UD	E003	Lead, total	mg/L	02/17/21 - 10/11/23	12	92	CI around median	0.001	0.0075	Standard	No Exceedance
APW12	UD	E003	Lithium, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	0.0252	0.04	Standard	No Exceedance
APW12	UD	E003	Mercury, total	mg/L	02/17/21 - 10/11/23	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW12	UD	E003	Molybdenum, total	mg/L	02/17/21 - 10/11/23	11	54	CI around median	0.001	0.1	Standard	No Exceedance
APW12	UD	E003	pH (field)	SU	02/17/21 - 10/11/23	12	0	CI around mean	6.2/6.5	6.4/9.0	Background/Standard	No Exceedance
APW12	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/11/23	11	0	CI around mean	0.162	6.90	Background	No Exceedance
APW12	UD	E003	Selenium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW12	UD	E003	Sulfate, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	290	400	Standard	No Exceedance
APW12	UD	E003	Thallium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW12	UD	E003	Total Dissolved Solids	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	1,190	1,200	Standard	No Exceedance
APW13	UA	E003	Antimony, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E003	Arsenic, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.00341	0.0590	Background	No Exceedance
APW13	UA	E003	Barium, total	mg/L	02/22/21 - 10/10/23	12	0	CI around geomean	0.0501	2.0	Standard	No Exceedance
APW13	UA	E003	Beryllium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW13	UA	E003	Boron, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.106	2	Standard	No Exceedance
APW13	UA	E003	Cadmium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW13	UA	E003	Chloride, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	47.1	200	Standard	No Exceedance
APW13	UA	E003	Chromium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW13	UA	E003	Cobalt, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW13	UA	E003	Fluoride, total	mg/L	02/22/21 - 10/10/23	12	8	CI around mean	0.312	4.0	Standard	No Exceedance
APW13	UA	E003	Lead, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW13	UA	E003	Lithium, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	0.0079	0.04	Standard	No Exceedance
APW13	UA	E003	Mercury, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW13	UA	E003	Molybdenum, total	mg/L	02/22/21 - 10/10/23	11	0	CB around linear reg	0.00174	0.1	Standard	No Exceedance
APW13	UA	E003	pH (field)	SU	02/22/21 - 10/10/23	12	0	CI around median	6.9/7.3	6.4/9.0	Background/Standard	No Exceedance
APW13	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/10/23	11	0	CI around mean	0.344	6.90	Background	No Exceedance

TABLE 2.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW13	UA	E003	Selenium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW13	UA	E003	Sulfate, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	227	400	Standard	No Exceedance
APW13	UA	E003	Thallium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW13	UA	E003	Total Dissolved Solids	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	815	1,200	Standard	No Exceedance
APW14	UA	E003	Antimony, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW14	UA	E003	Arsenic, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.00561	0.0590	Background	No Exceedance
APW14	UA	E003	Barium, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	0.0378	2.0	Standard	No Exceedance
APW14	UA	E003	Beryllium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW14	UA	E003	Boron, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.0946	2	Standard	No Exceedance
APW14	UA	E003	Cadmium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW14	UA	E003	Chloride, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	41.6	200	Standard	No Exceedance
APW14	UA	E003	Chromium, total	mg/L	02/22/21 - 10/10/23	12	83	CB around T-S line	0.000409	0.1	Standard	No Exceedance
APW14	UA	E003	Cobalt, total	mg/L	02/22/21 - 10/10/23	12	92	CB around T-S line	0.000846	0.006	Standard	No Exceedance
APW14	UA	E003	Fluoride, total	mg/L	02/22/21 - 10/10/23	12	25	CI around mean	0.277	4.0	Standard	No Exceedance
APW14	UA	E003	Lead, total	mg/L	02/22/21 - 10/10/23	12	75	CI around median	0.001	0.0075	Standard	No Exceedance
APW14	UA	E003	Lithium, total	mg/L	02/22/21 - 10/10/23	12	17	CB around linear reg	0.00367	0.04	Standard	No Exceedance
APW14	UA	E003	Mercury, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW14	UA	E003	Molybdenum, total	mg/L	02/22/21 - 10/10/23	11	0	CB around linear reg	-0.000924	0.1	Standard	No Exceedance
APW14	UA	E003	pH (field)	SU	02/22/21 - 10/10/23	12	0	CI around median	7.0/7.5	6.4/9.0	Background/Standard	No Exceedance
APW14	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/10/23	11	0	CI around mean	0.431	6.90	Background	No Exceedance
APW14	UA	E003	Selenium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW14	UA	E003	Sulfate, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	319	400	Standard	No Exceedance
APW14	UA	E003	Thallium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW14	UA	E003	Total Dissolved Solids	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	908	1,200	Standard	No Exceedance
APW15	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW15	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.017	0.0590	Background	No Exceedance
APW15	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.565	2.0	Standard	No Exceedance

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
APW15	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW15	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.125	2	Standard	No Exceedance
APW15	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW15	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	227	200	Standard	Exceedance
APW15	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	67	CI around median	0.004	0.1	Standard	No Exceedance
APW15	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	67	CI around median	0.0016	0.006	Standard	No Exceedance
APW15	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around geomean	0.55	4.0	Standard	No Exceedance
APW15	UA	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	42	CI around median	0.001	0.0075	Standard	No Exceedance
APW15	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	67	CI around median	0.0073	0.04	Standard	No Exceedance
APW15	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW15	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CB around linear reg	0.00127	0.1	Standard	No Exceedance
APW15	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around median	6.9/7.3	6.4/9.0	Background/Standard	No Exceedance
APW15	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	1.59	6.90	Background	No Exceedance
APW15	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW15	UA	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	1	400	Standard	No Exceedance
APW15	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW15	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	1,040	1,200	Standard	No Exceedance
APW16	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.00912	0.0590	Background	No Exceedance
APW16	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.559	2.0	Standard	No Exceedance
APW16	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW16	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.129	2	Standard	No Exceedance
APW16	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW16	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	66	200	Standard	No Exceedance
APW16	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW16	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW16	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.629	4.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 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	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW16	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.003	0.04	Standard	No Exceedance
APW16	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW16	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	54	CI around median	0.001	0.1	Standard	No Exceedance
APW16	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around mean	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW16	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around geomean	1.37	6.90	Background	No Exceedance
APW16	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
APW16	UA	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	1	400	Standard	No Exceedance
APW16	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW16	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around median	665	1,200	Standard	No Exceedance
APW17	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CB around linear reg	0.0256	0.0590	Background	No Exceedance
APW17	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.566	2.0	Standard	No Exceedance
APW17	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
APW17	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.083	2	Standard	No Exceedance
APW17	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
APW17	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	46.3	200	Standard	No Exceedance
APW17	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
APW17	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
APW17	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.427	4.0	Standard	No Exceedance
APW17	UA	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
APW17	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.003	0.04	Standard	No Exceedance
APW17	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
APW17	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CI around median	0.0048	0.1	Standard	No Exceedance
APW17	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around mean	7.2/7.5	6.4/9.0	Background/Standard	No Exceedance
APW17	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	0.915	6.90	Background	No Exceedance
APW17	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
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	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	8	CB around T-S line	48.1	400	Standard	No Exceedance
APW17	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
APW17	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	638	1,200	Standard	No Exceedance
APW18	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.006	Standard	No Exceedance
APW18	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	8	CI around mean	0.00165	0.0590	Background	No Exceedance
APW18	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.33	2.0	Standard	No Exceedance
APW18	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.004	Standard	No Exceedance
APW18	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.104	2	Standard	No Exceedance
APW18	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.005	Standard	No Exceedance
APW18	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CB around T-S line	-150	200	Standard	No Exceedance
APW18	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	75	CB around T-S line	-0.023	0.1	Standard	No Exceedance
APW18	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	75	CB around T-S line	-0.00108	0.006	Standard	No Exceedance
APW18	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.518	4.0	Standard	No Exceedance
APW18	UA	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	50	CI around geomean	0.00107	0.0075	Standard	No Exceedance
APW18	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	0.0052	0.04	Standard	No Exceedance
APW18	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
APW18	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CB around linear reg	-0.0139	0.1	Standard	No Exceedance
APW18	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around mean	7.5/7.8	6.4/9.0	Background/Standard	No Exceedance
APW18	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	1.43	6.90	Background	No Exceedance
APW18	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.05	Standard	No Exceedance
APW18	UA	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	17	CI around geomean	2.35	400	Standard	No Exceedance
APW18	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	0.001	0.002	Standard	No Exceedance
APW18	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	520	1,200	Standard	No Exceedance

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



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
SUMMARY OF GROUNDWATER ELEVATION DATA
QUARTER 4, 2023**

**ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 4, 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	10/09/2023	8.14	525.47
APW03	Compliance	10/09/2023	8.04	524.37
APW04	Compliance	10/09/2023	5.45	519.61
APW05	Background	10/09/2023	14.25	529.82
APW05S	Compliance	10/09/2023	13.82	530.12
APW06	Background	10/09/2023	19.40	526.67
APW07	Compliance	10/09/2023	47.18	491.19
APW08	Compliance	10/09/2023	38.01	490.96
APW09	Compliance	10/09/2023	27.55	503.97
APW10	Compliance	10/09/2023	18.79	505.46
APW11	Compliance	10/09/2023	25.03	513.60
APW12	Compliance	10/09/2023	16.04	530.25
APW13	Compliance	10/09/2023	33.06	504.93
APW14	Compliance	10/09/2023	21.73	504.56
APW15	Compliance	10/09/2023	21.00	503.69
APW16	Compliance	10/09/2023	40.61	490.57
APW17	Compliance	10/09/2023	41.58	490.94
APW18	Compliance	10/09/2023	52.08	491.19
XSG01	Water Level	10/09/2023	6.04	530.13
SG02	Water Level	10/09/2023	3.33	503.56

Notes:

Only wells with groundwater elevations measured are included.

BMP = below measuring point

NAVD88 = North American Vertical Datum of 1988

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

November 17, 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-23Q4

WorkOrder: 23091794

Dear Eric Bauer:

TEKLAB, INC received 26 samples for NEW_845_501 on 10/12/2023 5:02:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

This reporting package includes the following:

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Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Quality Control Results	56
Receiving Check List	130
Chain of Custody	Appended

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-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: 23091794

Client Project: NEW-23Q4

Report Date: 17-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

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

Cooler Receipt Temp: 3.2 °C

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

T101 and T102 went dry; no sample volume was collected.

Date/times of collection for depth, only wells are per field file(s). EAH 10/13/23

G104 Duplicate collection date/time per G104 markings. EAH 10/19/23

Per Eric Bauer's request, only NEW_845_501 data is included in this report. EAH 11/17/23

Locations

Collinsville

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

Springfield

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

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
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

Chicago

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



Accreditations

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-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 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-005
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: APW02

Collection Date: 10/10/2023 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.14	ft	1	10/10/2023 11:56	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.4	NTU	1	10/10/2023 11:56	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		11	mV	1	10/10/2023 11:56	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4390	µS/cm	1	10/10/2023 11:56	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	10/10/2023 11:56	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.28	mg/L	1	10/10/2023 11:56	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		6.68		1	10/10/2023 11:56	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		648	mg/L	1	10/17/2023 14:00	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/17/2023 14:00	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3890	mg/L	1	10/12/2023 10:50	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		2900	mg/L	100	10/13/2023 12:40	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.23	mg/L	1	10/12/2023 13:00	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		100	mg/L	10	10/13/2023 12:34	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		506	mg/L	1	10/13/2023 19:57	213214
Magnesium	NELAP	0.007	0.050		471	mg/L	1	10/13/2023 19:57	213214
Potassium	NELAP	0.040	0.100		7.07	mg/L	1	10/13/2023 19:57	213214
Sodium	NELAP	0.018	0.050		441	mg/L	1	10/13/2023 19:57	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:04	213214
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	10/13/2023 14:04	213214
Barium	NELAP	0.7	1.0		13.6	µg/L	5	10/13/2023 14:04	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 9:32	213214
Boron	NELAP	9.2	25.0		111	µg/L	5	10/16/2023 9:32	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:04	213214
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	10/13/2023 14:04	213214
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	10/18/2023 9:29	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/16/2023 9:32	213214
Lithium	*	1.4	3.0		105	µg/L	5	10/16/2023 9:32	213214
Molybdenum	NELAP	0.6	1.5		1.6	µg/L	5	10/13/2023 14:04	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:04	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 9:32	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-005
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW02
Collection Date: 10/10/2023 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:04	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-006
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: APW03

Collection Date: 10/10/2023 14:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.04	ft	1	10/10/2023 14:00	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.8	NTU	1	10/10/2023 14:00	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-10	mV	1	10/10/2023 14:00	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		840	µS/cm	1	10/10/2023 14:00	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		19.8	°C	1	10/10/2023 14:00	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.51	mg/L	1	10/10/2023 14:00	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		6.91		1	10/10/2023 14:00	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		480	mg/L	1	10/17/2023 14:09	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2023 14:09	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		628	mg/L	1	10/12/2023 10:50	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		113	mg/L	5	10/16/2023 14:30	R337819
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	10/12/2023 13:01	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		7	mg/L	1	10/13/2023 12:45	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		92.5	mg/L	1	10/13/2023 19:58	213214
Magnesium	NELAP	0.007	0.050		52.7	mg/L	1	10/13/2023 19:58	213214
Potassium	NELAP	0.040	0.100		0.463	mg/L	1	10/13/2023 19:58	213214
Sodium	NELAP	0.018	0.050		61.8	mg/L	1	10/13/2023 19:58	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:10	213214
Arsenic	NELAP	0.4	1.0	J	0.7	µg/L	5	10/13/2023 14:10	213214
Barium	NELAP	0.7	1.0		110	µg/L	5	10/13/2023 14:10	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 9:38	213214
Boron	NELAP	9.2	25.0		440	µg/L	5	10/16/2023 9:38	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:10	213214
Chromium	NELAP	0.7	1.5		3.0	µg/L	5	10/13/2023 14:10	213214
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	10/18/2023 9:34	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:10	213214
Lithium	*	1.4	3.0		11.1	µg/L	5	10/16/2023 9:38	213214
Molybdenum	NELAP	0.6	1.5	J	0.9	µg/L	5	10/13/2023 14:10	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:10	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 9:38	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-006
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW03
Collection Date: 10/10/2023 14:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:07	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-007
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW04
Collection Date: 10/10/2023 15:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.45	ft	1	10/10/2023 15:23	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.8	NTU	1	10/10/2023 15:23	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		19	mV	1	10/10/2023 15:23	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1810	µS/cm	1	10/10/2023 15:23	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.8	°C	1	10/10/2023 15:23	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.47	mg/L	1	10/10/2023 15:23	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		6.79		1	10/10/2023 15:23	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		528	mg/L	1	10/17/2023 14:13	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2023 14:13	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1710	mg/L	1	10/12/2023 10:50	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		808	mg/L	50	10/13/2023 13:28	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	10/12/2023 13:03	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		34	mg/L	1	10/13/2023 13:22	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		206	mg/L	1	10/13/2023 20:00	213214
Magnesium	NELAP	0.007	0.050		167	mg/L	1	10/13/2023 20:00	213214
Potassium	NELAP	0.040	0.100		1.76	mg/L	1	10/13/2023 20:00	213214
Sodium	NELAP	0.018	0.050		92.1	mg/L	1	10/13/2023 20:00	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:16	213214
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	10/13/2023 14:16	213214
Barium	NELAP	0.7	1.0		20.0	µg/L	5	10/13/2023 14:16	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 9:44	213214
Boron	NELAP	9.2	25.0		32.2	µg/L	5	10/16/2023 9:44	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:16	213214
Chromium	NELAP	0.7	1.5		2.9	µg/L	5	10/13/2023 14:16	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 9:40	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:16	213214
Lithium	*	1.4	3.0		21.8	µg/L	5	10/16/2023 9:44	213214
Molybdenum	NELAP	0.6	1.5	J	1.0	µg/L	5	10/13/2023 14:16	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:16	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 9:44	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-007
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW04
Collection Date: 10/10/2023 15:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:09	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-008
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: APW05

Collection Date: 10/10/2023 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		14.33	ft	1	10/10/2023 11:18	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		31	NTU	1	10/10/2023 11:18	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-134	mV	1	10/10/2023 11:18	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		988	µS/cm	1	10/10/2023 11:18	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.1	°C	1	10/10/2023 11:18	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.60	mg/L	1	10/10/2023 11:18	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.43		1	10/10/2023 11:18	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		486	mg/L	1	10/17/2023 14:17	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2023 14:17	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		562	mg/L	1	10/12/2023 10:50	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	8	mg/L	1	10/13/2023 13:31	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.53	mg/L	1	10/12/2023 13:05	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		46	mg/L	1	10/13/2023 13:30	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		52.8	mg/L	1	10/13/2023 20:02	213214
Magnesium	NELAP	0.007	0.050		27.2	mg/L	1	10/13/2023 20:02	213214
Potassium	NELAP	0.040	0.100		1.52	mg/L	1	10/13/2023 20:02	213214
Sodium	NELAP	0.018	0.050		130	mg/L	1	10/13/2023 20:02	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:22	213214
Arsenic	NELAP	0.4	1.0		32.3	µg/L	5	10/13/2023 14:22	213214
Barium	NELAP	0.7	1.0		333	µg/L	5	10/13/2023 14:22	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 9:51	213214
Boron	NELAP	9.2	25.0		89.7	µg/L	5	10/16/2023 9:51	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:22	213214
Chromium	NELAP	0.7	1.5	J	1.2	µg/L	5	10/13/2023 14:22	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 9:45	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:22	213214
Lithium	*	1.4	3.0		9.0	µg/L	5	10/16/2023 9:51	213214
Molybdenum	NELAP	0.6	1.5		12.7	µg/L	5	10/13/2023 14:22	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:22	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 9:51	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-008
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW05
Collection Date: 10/10/2023 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:11	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-009
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW05S
Collection Date: 10/10/2023 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.94	ft	1	10/10/2023 10:42	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		61	NTU	1	10/10/2023 10:42	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-2	mV	1	10/10/2023 10:42	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3800	µS/cm	1	10/10/2023 10:42	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.5	°C	1	10/10/2023 10:42	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.72	mg/L	1	10/10/2023 10:42	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		6.66		1	10/10/2023 10:42	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		558	mg/L	1	10/17/2023 14:19	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2023 14:19	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3240	mg/L	1	10/12/2023 10:50	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		1700	mg/L	50	10/13/2023 13:44	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.41	mg/L	1	10/12/2023 13:07	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		112	mg/L	5	10/13/2023 13:38	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		373	mg/L	1	10/13/2023 20:03	213214
Magnesium	NELAP	0.007	0.050		295	mg/L	1	10/13/2023 20:03	213214
Potassium	NELAP	0.040	0.100		2.41	mg/L	1	10/13/2023 20:03	213214
Sodium	NELAP	0.018	0.050		252	mg/L	1	10/13/2023 20:03	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:29	213214
Arsenic	NELAP	0.4	1.0		1.4	µg/L	5	10/13/2023 14:29	213214
Barium	NELAP	0.7	1.0		47.8	µg/L	5	10/13/2023 14:29	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 9:57	213214
Boron	NELAP	9.2	25.0		38.0	µg/L	5	10/16/2023 9:57	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:29	213214
Chromium	NELAP	0.7	1.5		2.6	µg/L	5	10/13/2023 14:29	213214
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	10/18/2023 9:51	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/16/2023 9:57	213214
Lithium	*	1.4	3.0		32.8	µg/L	5	10/16/2023 9:57	213214
Molybdenum	NELAP	0.6	1.5		3.3	µg/L	5	10/13/2023 14:29	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:29	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 9:57	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-009
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW05S
Collection Date: 10/10/2023 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:18	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-010
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW06
Collection Date: 10/10/2023 10:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		19.45	ft	1	10/10/2023 10:07	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		70	NTU	1	10/10/2023 10:07	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-99	mV	1	10/10/2023 10:07	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		894	µS/cm	1	10/10/2023 10:07	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.4	°C	1	10/10/2023 10:07	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	10/10/2023 10:07	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.11		1	10/10/2023 10:07	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		476	mg/L	1	10/17/2023 14:25	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/17/2023 14:25	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		526	mg/L	1	10/12/2023 10:51	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	11	mg/L	1	10/13/2023 13:49	R337770
<i>Matrix spike did not recover within control limits due to matrix interference.</i>									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.55	mg/L	1	10/12/2023 13:09	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		23	mg/L	1	10/13/2023 13:49	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		56.8	mg/L	1	10/13/2023 19:02	213214
Magnesium	NELAP	0.006	0.050		25.7	mg/L	1	10/16/2023 18:07	213214
Potassium	NELAP	0.040	0.100		1.48	mg/L	1	10/13/2023 19:02	213214
Sodium	NELAP	0.018	0.050		115	mg/L	1	10/13/2023 19:02	213214
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:35	213214
Arsenic	NELAP	0.4	1.0		8.3	µg/L	5	10/13/2023 14:35	213214
Barium	NELAP	0.7	1.0		304	µg/L	5	10/13/2023 14:35	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 10:03	213214
Boron	NELAP	9.2	25.0		75.0	µg/L	5	10/16/2023 10:03	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:35	213214
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	10/13/2023 14:35	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 9:56	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:35	213214
Lithium	*	1.4	3.0		10.6	µg/L	5	10/16/2023 10:03	213214
Molybdenum	NELAP	0.6	1.5		11.6	µg/L	5	10/13/2023 14:35	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:35	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 10:03	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-010
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW06
Collection Date: 10/10/2023 10:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:25	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-011
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: APW07

Collection Date: 10/10/2023 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		47.18	ft	1	10/10/2023 11:06	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	10/10/2023 11:06	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-68	mV	1	10/10/2023 11:06	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		894	µS/cm	1	10/10/2023 11:06	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.3	°C	1	10/10/2023 11:06	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		9.16	mg/L	1	10/10/2023 11:06	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.62		1	10/10/2023 11:06	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		512	mg/L	1	10/17/2023 14:30	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/17/2023 14:30	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		630	mg/L	2.5	10/12/2023 11:10	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		16	mg/L	1	10/13/2023 14:13	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.42	mg/L	1	10/12/2023 13:14	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		67	mg/L	5	10/13/2023 14:18	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		96.2	mg/L	1	10/13/2023 19:03	213214
Magnesium	NELAP	0.006	0.050		35.4	mg/L	1	10/16/2023 18:08	213214
Potassium	NELAP	0.040	0.100		1.80	mg/L	1	10/13/2023 19:03	213214
Sodium	NELAP	0.018	0.050		95.4	mg/L	1	10/13/2023 19:03	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:41	213214
Arsenic	NELAP	0.4	1.0		22.5	µg/L	5	10/13/2023 14:41	213214
Barium	NELAP	0.7	1.0		808	µg/L	5	10/13/2023 14:41	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 10:09	213214
Boron	NELAP	9.2	25.0		68.0	µg/L	5	10/16/2023 10:09	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:41	213214
Chromium	NELAP	0.7	1.5		1.7	µg/L	5	10/13/2023 14:41	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 10:23	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:41	213214
Lithium	*	1.4	3.0	J	2.5	µg/L	5	10/16/2023 10:09	213214
Molybdenum	NELAP	0.6	1.5		3.1	µg/L	5	10/13/2023 14:41	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:41	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 10:09	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-011
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW07
Collection Date: 10/10/2023 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:27	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-012
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW08
Collection Date: 10/10/2023 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		38.01	ft	1	10/10/2023 12:15	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.2	NTU	1	10/10/2023 12:15	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-64	mV	1	10/10/2023 12:15	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		952	µS/cm	1	10/10/2023 12:15	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.9	°C	1	10/10/2023 12:15	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.64	mg/L	1	10/10/2023 12:15	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.42		1	10/10/2023 12:15	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		532	mg/L	1	10/17/2023 14:33	R337863
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/17/2023 14:33	R337863
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		615	mg/L	2.5	10/12/2023 11:10	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		57	mg/L	5	10/13/2023 14:21	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.48	mg/L	1	10/12/2023 13:16	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		60	mg/L	5	10/13/2023 14:21	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		103	mg/L	1	10/13/2023 19:13	213214
Magnesium	NELAP	0.006	0.050		41.1	mg/L	1	10/16/2023 18:17	213214
Potassium	NELAP	0.040	0.100		1.89	mg/L	1	10/13/2023 19:13	213214
Sodium	NELAP	0.018	0.050		87.4	mg/L	1	10/13/2023 19:13	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 14:47	213214
Arsenic	NELAP	0.4	1.0		36.6	µg/L	5	10/13/2023 14:47	213214
Barium	NELAP	0.7	1.0		777	µg/L	5	10/13/2023 14:47	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 10:15	213214
Boron	NELAP	9.2	25.0		71.0	µg/L	5	10/16/2023 10:15	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 14:47	213214
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	10/13/2023 14:47	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 10:29	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:47	213214
Lithium	*	1.4	3.0	J	2.2	µg/L	5	10/16/2023 10:15	213214
Molybdenum	NELAP	0.6	1.5		5.8	µg/L	5	10/13/2023 14:47	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 14:47	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 10:15	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-012
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW08
Collection Date: 10/10/2023 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:29	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-013
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW09
Collection Date: 10/10/2023 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		27.55	ft	1	10/10/2023 13:45	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.9	NTU	1	10/10/2023 13:45	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-46	mV	1	10/10/2023 13:45	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		988	µS/cm	1	10/10/2023 13:45	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.5	°C	1	10/10/2023 13:45	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.19	mg/L	1	10/10/2023 13:45	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.61		1	10/10/2023 13:45	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		482	mg/L	1	10/18/2023 9:31	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 9:31	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		760	mg/L	2.5	10/12/2023 11:10	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		32	mg/L	1	10/13/2023 14:24	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.63	mg/L	1	10/12/2023 13:27	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		94	mg/L	10	10/13/2023 14:29	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		69.2	mg/L	1	10/13/2023 19:14	213214
Magnesium	NELAP	0.006	0.050		32.7	mg/L	1	10/16/2023 18:19	213214
Potassium	NELAP	0.040	0.100		3.43	mg/L	1	10/13/2023 19:14	213214
Sodium	NELAP	0.018	0.050		151	mg/L	1	10/13/2023 19:14	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		1.8	µg/L	5	10/13/2023 15:18	213214
Arsenic	NELAP	0.4	1.0		11.4	µg/L	5	10/13/2023 15:18	213214
Barium	NELAP	0.7	1.0		406	µg/L	5	10/13/2023 15:18	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 10:46	213214
Boron	NELAP	9.2	25.0		78.0	µg/L	5	10/16/2023 10:46	213214
Cadmium	NELAP	0.2	1.0	J	0.3	µg/L	5	10/13/2023 15:18	213214
Chromium	NELAP	0.7	1.5		3.3	µg/L	5	10/13/2023 15:18	213214
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	10/18/2023 10:34	213214
Lead	NELAP	0.6	1.0	J	0.8	µg/L	5	10/13/2023 15:18	213214
Lithium	*	1.4	3.0		6.6	µg/L	5	10/16/2023 10:46	213214
Molybdenum	NELAP	0.6	1.5		16.5	µg/L	5	10/13/2023 15:18	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:18	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 10:46	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-013
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW09
Collection Date: 10/10/2023 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/18/2023 10:31	213366



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-014
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: APW10

Collection Date: 10/10/2023 15:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.79	ft	1	10/10/2023 15:05	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.0	NTU	1	10/10/2023 15:05	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		3	mV	1	10/10/2023 15:05	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1280	µS/cm	1	10/10/2023 15:05	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.2	°C	1	10/10/2023 15:05	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.77	mg/L	1	10/10/2023 15:05	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.26		1	10/10/2023 15:05	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		452	mg/L	1	10/18/2023 9:42	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 9:42	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1050	mg/L	1	10/12/2023 11:10	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		399	mg/L	10	10/13/2023 14:37	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.34	mg/L	1	10/12/2023 13:29	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		43	mg/L	1	10/13/2023 14:32	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		146	mg/L	1	10/13/2023 19:16	213214
Magnesium	NELAP	0.006	0.050		65.7	mg/L	1	10/16/2023 18:20	213214
Potassium	NELAP	0.040	0.100		1.66	mg/L	1	10/13/2023 19:16	213214
Sodium	NELAP	0.018	0.050		124	mg/L	1	10/13/2023 19:16	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 15:24	213214
Arsenic	NELAP	0.4	1.0		12.0	µg/L	5	10/13/2023 15:24	213214
Barium	NELAP	0.7	1.0		39.7	µg/L	5	10/13/2023 15:24	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 10:52	213214
Boron	NELAP	9.2	25.0		62.6	µg/L	5	10/16/2023 10:52	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 15:24	213214
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	10/13/2023 15:24	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 10:40	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:24	213214
Lithium	*	1.4	3.0		18.2	µg/L	5	10/16/2023 10:52	213214
Molybdenum	NELAP	0.6	1.5		11.2	µg/L	5	10/13/2023 15:24	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:24	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 10:52	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-014
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW10
Collection Date: 10/10/2023 15:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 9:38	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-015
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW11
Collection Date: 10/10/2023 15:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		25.07	ft	1	10/10/2023 15:02	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		54	NTU	1	10/10/2023 15:02	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-117	mV	1	10/10/2023 15:02	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1310	µS/cm	1	10/10/2023 15:02	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.6	°C	1	10/10/2023 15:02	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.63	mg/L	1	10/10/2023 15:02	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.50		1	10/10/2023 15:02	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		426	mg/L	1	10/18/2023 9:49	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 9:49	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		835	mg/L	2.5	10/12/2023 11:11	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		277	mg/L	10	10/13/2023 14:45	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.37	mg/L	1	10/12/2023 13:31	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		26	mg/L	1	10/13/2023 14:40	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		126	mg/L	1	10/13/2023 19:18	213214
Magnesium	NELAP	0.006	0.050		53.6	mg/L	1	10/16/2023 18:22	213214
Potassium	NELAP	0.040	0.100		1.62	mg/L	1	10/13/2023 19:18	213214
Sodium	NELAP	0.018	0.050		92.1	mg/L	1	10/13/2023 19:18	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 15:30	213214
Arsenic	NELAP	0.4	1.0		4.9	µg/L	5	10/13/2023 15:30	213214
Barium	NELAP	0.7	1.0		44.8	µg/L	5	10/13/2023 15:30	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 10:58	213214
Boron	NELAP	9.2	25.0		57.8	µg/L	5	10/16/2023 10:58	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 15:30	213214
Chromium	NELAP	0.7	1.5	J	1.4	µg/L	5	10/13/2023 15:30	213214
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	10/18/2023 10:45	213214
Lead	NELAP	0.6	1.0	J	0.8	µg/L	5	10/13/2023 15:30	213214
Lithium	*	1.4	3.0		20.1	µg/L	5	10/16/2023 10:58	213214
Molybdenum	NELAP	0.6	1.5		5.1	µg/L	5	10/13/2023 15:30	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:30	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 10:58	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-015
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW11
Collection Date: 10/10/2023 15:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 9:40	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-016
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW12
Collection Date: 10/11/2023 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.13	ft	1	10/11/2023 9:31	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	10/11/2023 9:31	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		6	mV	1	10/11/2023 9:31	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2190	µS/cm	1	10/11/2023 9:31	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.6	°C	1	10/11/2023 9:31	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	10/11/2023 9:31	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		6.11		1	10/11/2023 9:31	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		656	mg/L	1	10/16/2023 14:54	R337809
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/16/2023 14:54	R337809
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1740	mg/L	1	10/13/2023 14:50	R337808
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		712	mg/L	20	10/16/2023 23:12	R337819
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	10/16/2023 11:28	R337786
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		31	mg/L	5	10/16/2023 23:07	R337841
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		275	mg/L	1	10/18/2023 17:54	213274
Magnesium	NELAP	0.006	0.050		127	mg/L	1	10/18/2023 17:54	213274
Potassium	NELAP	0.040	0.100		1.29	mg/L	1	10/18/2023 17:54	213274
Sodium	NELAP	0.018	0.050		151	mg/L	1	10/18/2023 17:54	213274
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/16/2023 14:09	213274
Arsenic	NELAP	0.4	1.0	J	0.8	µg/L	5	10/16/2023 14:09	213274
Barium	NELAP	0.7	1.0		34.5	µg/L	5	10/16/2023 14:09	213274
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 14:09	213274
Boron	NELAP	9.2	25.0		724	µg/L	5	10/16/2023 14:09	213274
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 14:09	213274
Chromium	NELAP	0.7	1.5	J	0.8	µg/L	5	10/16/2023 14:09	213274
Cobalt	NELAP	0.1	1.0		1.2	µg/L	5	10/16/2023 14:09	213274
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/16/2023 14:09	213274
Lithium	*	1.4	3.0		36.5	µg/L	5	10/16/2023 14:09	213274
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	10/16/2023 14:09	213274
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/16/2023 14:09	213274
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 14:09	213274



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-016
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW12
Collection Date: 10/11/2023 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 9:47	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-017
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW13
Collection Date: 10/10/2023 14:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		33.06	ft	1	10/10/2023 14:44	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.3	NTU	1	10/10/2023 14:44	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-31	mV	1	10/10/2023 14:44	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1190	µS/cm	1	10/10/2023 14:44	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.8	°C	1	10/10/2023 14:44	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.29	mg/L	1	10/10/2023 14:44	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.19		1	10/10/2023 14:44	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		522	mg/L	1	10/18/2023 9:57	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 9:57	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		936	mg/L	1	10/12/2023 11:11	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		234	mg/L	10	10/13/2023 15:06	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.44	mg/L	1	10/12/2023 13:33	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		53	mg/L	2	10/13/2023 14:48	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		120	mg/L	1	10/13/2023 19:19	213214
Magnesium	NELAP	0.006	0.050		57.5	mg/L	1	10/16/2023 18:24	213214
Potassium	NELAP	0.040	0.100		1.93	mg/L	1	10/13/2023 19:19	213214
Sodium	NELAP	0.018	0.050		124	mg/L	1	10/13/2023 19:19	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 15:36	213214
Arsenic	NELAP	0.4	1.0		4.4	µg/L	5	10/13/2023 15:36	213214
Barium	NELAP	0.7	1.0		64.2	µg/L	5	10/13/2023 15:36	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 11:05	213214
Boron	NELAP	9.2	25.0		102	µg/L	5	10/16/2023 11:05	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 15:36	213214
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	10/13/2023 15:36	213214
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	10/18/2023 10:51	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:36	213214
Lithium	*	1.4	3.0		24.0	µg/L	5	10/16/2023 11:05	213214
Molybdenum	NELAP	0.6	1.5		8.7	µg/L	5	10/13/2023 15:36	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:36	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 11:05	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-017
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW13
Collection Date: 10/10/2023 14:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 9:49	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-018
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW14
Collection Date: 10/10/2023 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		21.73	ft	1	10/10/2023 14:21	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.0	NTU	1	10/10/2023 14:21	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-68	mV	1	10/10/2023 14:21	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1280	µS/cm	1	10/10/2023 14:21	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.8	°C	1	10/10/2023 14:21	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.19	mg/L	1	10/10/2023 14:21	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.31		1	10/10/2023 14:21	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		484	mg/L	1	10/18/2023 10:04	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/18/2023 10:04	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		990	mg/L	2.5	10/12/2023 11:44	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		358	mg/L	10	10/13/2023 15:14	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.33	mg/L	1	10/12/2023 13:35	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		41	mg/L	1	10/13/2023 15:09	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		138	mg/L	1	10/13/2023 19:21	213214
Magnesium	NELAP	0.006	0.050		63.1	mg/L	1	10/16/2023 18:25	213214
Potassium	NELAP	0.040	0.100		1.92	mg/L	1	10/13/2023 19:21	213214
Sodium	NELAP	0.018	0.050		133	mg/L	1	10/13/2023 19:21	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 15:42	213214
Arsenic	NELAP	0.4	1.0		9.4	µg/L	5	10/13/2023 15:42	213214
Barium	NELAP	0.7	1.0		75.8	µg/L	5	10/13/2023 15:42	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 11:11	213214
Boron	NELAP	9.2	25.0		88.8	µg/L	5	10/16/2023 11:11	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 15:42	213214
Chromium	NELAP	0.7	1.5	J	1.5	µg/L	5	10/13/2023 15:42	213214
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	10/18/2023 10:56	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:42	213214
Lithium	*	1.4	3.0		20.5	µg/L	5	10/16/2023 11:11	213214
Molybdenum	NELAP	0.6	1.5		5.8	µg/L	5	10/13/2023 15:42	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:42	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 11:11	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-018
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW14
Collection Date: 10/10/2023 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 9:56	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-019
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW15
Collection Date: 10/10/2023 13:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		21.00	ft	1	10/10/2023 13:16	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		56	NTU	1	10/10/2023 13:16	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-104	mV	1	10/10/2023 13:16	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1700	µS/cm	1	10/10/2023 13:16	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.0	°C	1	10/10/2023 13:16	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		< 0	mg/L	1	10/10/2023 13:16	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.13		1	10/10/2023 13:16	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		760	mg/L	1	10/18/2023 10:11	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/18/2023 10:11	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1140	mg/L	2.5	10/12/2023 11:45	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		12	mg/L	1	10/13/2023 15:17	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.48	mg/L	1	10/12/2023 13:37	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		227	mg/L	10	10/13/2023 15:22	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		96.0	mg/L	1	10/13/2023 19:22	213214
Magnesium	NELAP	0.006	0.050		37.4	mg/L	1	10/16/2023 18:27	213214
Potassium	NELAP	0.040	0.100		3.67	mg/L	1	10/13/2023 19:22	213214
Sodium	NELAP	0.018	0.050		301	mg/L	1	10/13/2023 19:22	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 15:49	213214
Arsenic	NELAP	0.4	1.0		31.9	µg/L	5	10/13/2023 15:49	213214
Barium	NELAP	0.7	1.0		708	µg/L	5	10/13/2023 15:49	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 11:17	213214
Boron	NELAP	9.2	25.0		123	µg/L	5	10/16/2023 11:17	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 15:49	213214
Chromium	NELAP	0.7	1.5		7.1	µg/L	5	10/13/2023 15:49	213214
Cobalt	NELAP	0.1	1.0		1.6	µg/L	5	10/18/2023 11:39	213214
Lead	NELAP	0.6	1.0		2.7	µg/L	5	10/13/2023 15:49	213214
Lithium	*	1.4	3.0		7.3	µg/L	5	10/16/2023 11:17	213214
Molybdenum	NELAP	0.6	1.5		7.3	µg/L	5	10/13/2023 15:49	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:49	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 11:17	213214



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-019
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW15
Collection Date: 10/10/2023 13:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 9:58	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-020
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW16
Collection Date: 10/10/2023 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		40.61	ft	1	10/10/2023 12:39	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.4	NTU	1	10/10/2023 12:39	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-70	mV	1	10/10/2023 12:39	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1090	µS/cm	1	10/10/2023 12:39	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.2	°C	1	10/10/2023 12:39	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.25	mg/L	1	10/10/2023 12:39	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.45		1	10/10/2023 12:39	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		656	mg/L	1	10/18/2023 10:19	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/18/2023 10:19	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		768	mg/L	1	10/12/2023 11:46	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	8	mg/L	1	10/13/2023 15:25	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.77	mg/L	1	10/12/2023 13:39	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		69	mg/L	5	10/13/2023 15:30	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		92.9	mg/L	1	10/13/2023 19:24	213214
Magnesium	NELAP	0.006	0.050		39.6	mg/L	1	10/16/2023 18:28	213214
Potassium	NELAP	0.040	0.100		2.00	mg/L	1	10/13/2023 19:24	213214
Sodium	NELAP	0.018	0.050		138	mg/L	1	10/13/2023 19:24	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 15:55	213214
Arsenic	NELAP	0.4	1.0		25.3	µg/L	5	10/13/2023 15:55	213214
Barium	NELAP	0.7	1.0		597	µg/L	5	10/13/2023 15:55	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 11:23	213214
Boron	NELAP	9.2	25.0		126	µg/L	5	10/16/2023 11:23	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 15:55	213214
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	10/13/2023 15:55	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 11:45	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:55	213214
Lithium	*	1.4	3.0	J	2.9	µg/L	5	10/16/2023 11:23	213214
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	10/13/2023 15:55	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 15:55	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 11:23	213214



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-020
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW16
Collection Date: 10/10/2023 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 10:00	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-021
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: APW17

Collection Date: 10/10/2023 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		41.58	ft	1	10/10/2023 11:26	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.5	NTU	1	10/10/2023 11:26	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-73	mV	1	10/10/2023 11:26	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		993	µS/cm	1	10/10/2023 11:26	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.7	°C	1	10/10/2023 11:26	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.27	mg/L	1	10/10/2023 11:26	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		7.49		1	10/10/2023 11:26	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		560	mg/L	1	10/18/2023 10:26	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/18/2023 10:26	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		692	mg/L	1	10/12/2023 12:10	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		64	mg/L	5	10/13/2023 15:33	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.54	mg/L	1	10/12/2023 13:42	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		59	mg/L	5	10/13/2023 15:33	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		107	mg/L	1	10/13/2023 19:26	213214
Magnesium	NELAP	0.006	0.050		42.3	mg/L	1	10/16/2023 18:30	213214
Potassium	NELAP	0.040	0.100		1.90	mg/L	1	10/13/2023 19:26	213214
Sodium	NELAP	0.018	0.050		89.1	mg/L	1	10/13/2023 19:26	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 16:01	213214
Arsenic	NELAP	0.4	1.0		32.0	µg/L	5	10/13/2023 16:01	213214
Barium	NELAP	0.7	1.0		741	µg/L	5	10/13/2023 16:01	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 11:29	213214
Boron	NELAP	9.2	25.0		78.8	µg/L	5	10/16/2023 11:29	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 16:01	213214
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	10/13/2023 16:01	213214
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	10/18/2023 11:50	213214
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 16:01	213214
Lithium	*	1.4	3.0	J	2.4	µg/L	5	10/16/2023 11:29	213214
Molybdenum	NELAP	0.6	1.5		17.2	µg/L	5	10/13/2023 16:01	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 16:01	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 11:29	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-021
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW17
Collection Date: 10/10/2023 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 10:03	213442



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-022
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW18
Collection Date: 10/10/2023 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		52.08	ft	1	10/10/2023 10:45	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.5	NTU	1	10/10/2023 10:45	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-100	mV	1	10/10/2023 10:45	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		866	µS/cm	1	10/10/2023 10:45	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.5	°C	1	10/10/2023 10:45	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.22	mg/L	1	10/10/2023 10:45	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		8.05		1	10/10/2023 10:45	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		530	mg/L	1	10/18/2023 10:40	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 10:40	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		614	mg/L	1	10/12/2023 12:10	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		49	mg/L	1	10/13/2023 15:36	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.59	mg/L	1	10/12/2023 13:59	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		23	mg/L	1	10/13/2023 15:36	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		75.5	mg/L	1	10/13/2023 19:35	213214
Magnesium	NELAP	0.007	0.050		37.6	mg/L	1	10/13/2023 19:35	213214
Potassium	NELAP	0.040	0.100		2.34	mg/L	1	10/13/2023 19:35	213214
Sodium	NELAP	0.018	0.050		104	mg/L	1	10/13/2023 19:35	213214
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 16:07	213214
Arsenic	NELAP	0.4	1.0		2.6	µg/L	5	10/13/2023 16:07	213214
Barium	NELAP	0.7	1.0		443	µg/L	5	10/13/2023 16:07	213214
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 11:35	213214
Boron	NELAP	9.2	25.0		97.1	µg/L	5	10/16/2023 11:35	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 16:07	213214
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	10/13/2023 16:07	213214
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	10/18/2023 11:56	213214
Lead	NELAP	0.6	1.0		3.3	µg/L	5	10/13/2023 16:07	213214
Lithium	*	1.4	3.0		5.2	µg/L	5	10/16/2023 11:35	213214
Molybdenum	NELAP	0.6	1.5		4.3	µg/L	5	10/13/2023 16:07	213214
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 16:07	213214
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 11:35	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-022
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW18
Collection Date: 10/10/2023 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 10:05	213442



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

Lab ID: 23091794-092

Client Sample ID: SG02

Matrix: GROUNDWATER

Collection Date: 10/09/2023 13:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.33	ft	1	10/09/2023 13:06	R338100



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-095
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: XPW01

Collection Date: 10/10/2023 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.46	ft	1	10/10/2023 10:18	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		72	NTU	1	10/10/2023 10:18	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-295	mV	1	10/10/2023 10:18	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		10000	µS/cm	1	10/10/2023 10:18	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.4	°C	1	10/10/2023 10:18	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		< 0	mg/L	1	10/10/2023 10:18	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		12.5		1	10/10/2023 10:18	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 11:15	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		700	mg/L	1	10/18/2023 11:15	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		6500	mg/L	5	10/12/2023 12:10	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		2720	mg/L	100	10/19/2023 16:24	R338019
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		4.69	mg/L	1	10/12/2023 14:01	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		50	mg/L	5	10/13/2023 16:05	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		12.4	mg/L	1	10/13/2023 19:37	213214
Magnesium	NELAP	0.007	0.050		1.08	mg/L	1	10/13/2023 19:37	213214
Potassium	NELAP	0.800	2.00	S	46.9	mg/L	20	10/16/2023 18:39	213214
Sodium	NELAP	0.360	1.00	S	2110	mg/L	20	10/16/2023 18:39	213214
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.7	µg/L	5	10/16/2023 12:49	213214
Arsenic	NELAP	0.4	1.0		67.4	µg/L	5	10/13/2023 17:21	213214
Barium	NELAP	0.7	1.0		65.2	µg/L	5	10/13/2023 17:21	213214
Beryllium	NELAP	0.2	1.0	J	0.7	µg/L	5	10/16/2023 12:49	213214
Boron	NELAP	9.2	25.0	S	12200	µg/L	5	10/16/2023 12:49	213214
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 17:21	213214
Chromium	NELAP	0.7	1.5		10.1	µg/L	5	10/13/2023 17:21	213214
Cobalt	NELAP	0.2	2.0	J	1.6	µg/L	10	10/18/2023 11:01	213214
Lead	NELAP	1.2	2.0		5.6	µg/L	10	10/18/2023 11:01	213214
Lithium	*	1.4	3.0		58.0	µg/L	5	10/16/2023 12:49	213214
Molybdenum	NELAP	0.6	1.5		226	µg/L	5	10/13/2023 17:21	213214
Selenium	NELAP	1.2	2.0		44.8	µg/L	10	10/18/2023 11:01	213214
Thallium	NELAP	1.9	4.0		< 4.0	µg/L	10	10/18/2023 11:01	213214



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-095
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: XPW01
Collection Date: 10/10/2023 10:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
<i>Elevated reporting limit due to matrix interference.</i>									
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	S	6.55	µg/L	1	10/24/2023 9:09	213626
<i>Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike</i>									



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-096
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: XPW02
Collection Date: 10/10/2023 9:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.16	ft	1	10/10/2023 9:26	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.9	NTU	1	10/10/2023 9:26	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-102	mV	1	10/10/2023 9:26	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		492	µS/cm	1	10/10/2023 9:26	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.5	°C	1	10/10/2023 9:26	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.59	mg/L	1	10/10/2023 9:26	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		9.74		1	10/10/2023 9:26	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		16	mg/L	1	10/18/2023 11:37	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		27	mg/L	1	10/18/2023 11:37	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		404	mg/L	1	10/12/2023 12:11	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		239	mg/L	5	10/13/2023 16:13	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.49	mg/L	1	10/12/2023 14:02	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		16	mg/L	1	10/13/2023 16:08	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		37.2	mg/L	1	10/13/2023 17:07	213222
Magnesium	NELAP	0.006	0.050		0.668	mg/L	1	10/13/2023 17:07	213222
Potassium	NELAP	0.400	1.00		19.4	mg/L	10	10/16/2023 17:58	213222
Sodium	NELAP	0.018	0.050		74.9	mg/L	1	10/13/2023 17:07	213222
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.6	µg/L	5	10/13/2023 18:23	213222
Arsenic	NELAP	0.4	1.0		64.5	µg/L	5	10/13/2023 18:23	213222
Barium	NELAP	0.7	1.0		78.1	µg/L	5	10/13/2023 18:23	213222
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 18:23	213222
Boron	NELAP	9.2	25.0		1910	µg/L	5	10/13/2023 18:23	213222
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	10/13/2023 18:23	213222
Chromium	NELAP	0.7	1.5		4.6	µg/L	5	10/13/2023 18:23	213222
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	10/18/2023 12:01	213222
Lead	NELAP	0.6	1.0		2.8	µg/L	5	10/13/2023 18:23	213222
Lithium	*	1.4	3.0		30.8	µg/L	5	10/20/2023 22:55	213222
Molybdenum	NELAP	0.6	1.5		49.6	µg/L	5	10/13/2023 18:23	213222
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 18:23	213222
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/13/2023 18:23	213222



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-096
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: XPW02
Collection Date: 10/10/2023 9:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/20/2023 9:00	213444



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-097
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23

Client Sample ID: XPW03

Collection Date: 10/10/2023 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.74	ft	1	10/10/2023 12:23	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		14	NTU	1	10/10/2023 12:23	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-168	mV	1	10/10/2023 12:23	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1860	µS/cm	1	10/10/2023 12:23	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.8	°C	1	10/10/2023 12:23	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	10/10/2023 12:23	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		11.8		1	10/10/2023 12:23	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	10/18/2023 11:44	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		140	mg/L	1	10/18/2023 11:44	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		712	mg/L	1	10/12/2023 12:11	R337735
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		132	mg/L	10	10/13/2023 16:21	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		1.01	mg/L	1	10/12/2023 14:04	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		21	mg/L	2	10/13/2023 16:16	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		24.8	mg/L	1	10/13/2023 17:09	213222
Magnesium	NELAP	0.006	0.050		0.103	mg/L	1	10/13/2023 17:09	213222
Potassium	NELAP	0.400	1.00		23.2	mg/L	10	10/16/2023 17:59	213222
Sodium	NELAP	0.018	0.050		206	mg/L	1	10/13/2023 17:09	213222
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.6	µg/L	5	10/13/2023 18:35	213222
Arsenic	NELAP	0.4	1.0		54.5	µg/L	5	10/13/2023 18:35	213222
Barium	NELAP	0.7	1.0		61.8	µg/L	5	10/13/2023 18:35	213222
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 18:35	213222
Boron	NELAP	9.2	25.0		2060	µg/L	5	10/13/2023 18:35	213222
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 18:35	213222
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	10/13/2023 18:35	213222
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	10/18/2023 12:07	213222
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 18:35	213222
Lithium	*	1.4	3.0		32.4	µg/L	5	10/20/2023 23:01	213222
Molybdenum	NELAP	0.6	1.5		142	µg/L	5	10/13/2023 18:35	213222
Selenium	NELAP	0.6	1.0		5.8	µg/L	5	10/13/2023 18:35	213222
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/13/2023 18:35	213222



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-097
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: XPW03
Collection Date: 10/10/2023 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 13:42	213444



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-098
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: XPW04
Collection Date: 10/10/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		12.60	ft	1	10/10/2023 13:20	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		18	NTU	1	10/10/2023 13:20	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-219	mV	1	10/10/2023 13:20	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		16700	µS/cm	1	10/10/2023 13:20	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.6	°C	1	10/10/2023 13:20	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.79	mg/L	1	10/10/2023 13:20	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		12.0		1	10/10/2023 13:20	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 11:51	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		164	mg/L	1	10/18/2023 11:51	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	160	200	H	14000	mg/L	10	10/27/2023 15:25	R338465
<i>Sample required re-analysis out of hold time.</i>									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	1230	2000		9130	mg/L	200	10/13/2023 16:29	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.87	mg/L	1	10/12/2023 14:06	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		148	mg/L	10	10/13/2023 16:24	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		122	mg/L	1	10/13/2023 17:10	213222
Magnesium	NELAP	0.006	0.050		0.586	mg/L	1	10/13/2023 17:10	213222
Potassium	NELAP	4.00	10.0	S	93.7	mg/L	100	10/16/2023 18:01	213222
Sodium	NELAP	1.80	5.00	S	4080	mg/L	100	10/16/2023 18:01	213222
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 18:41	213222
Arsenic	NELAP	0.4	1.0		40.5	µg/L	5	10/13/2023 18:41	213222
Barium	NELAP	0.7	1.0		114	µg/L	5	10/13/2023 18:41	213222
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 18:41	213222
Boron	NELAP	18.5	50.0		3070	µg/L	10	10/20/2023 22:04	213222
Cadmium	NELAP	0.3	2.0		< 2.0	µg/L	10	10/18/2023 12:45	213222
Chromium	NELAP	0.7	1.5		12.8	µg/L	5	10/13/2023 18:41	213222
Cobalt	NELAP	0.1	1.0	J	0.6	µg/L	5	10/13/2023 18:41	213222
Lead	NELAP	0.6	1.0	S	< 1.0	µg/L	5	10/24/2023 9:53	213566
Lithium	*	2.9	6.0		26.0	µg/L	10	10/20/2023 22:04	213222
Molybdenum	NELAP	1.2	3.0		629	µg/L	10	10/18/2023 12:45	213222
Selenium	NELAP	1.2	2.0		104	µg/L	10	10/18/2023 12:45	213222
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/13/2023 18:41	213222



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-098
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: XPW04
Collection Date: 10/10/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
<i>Matrix spike did not recover within control limits for Pb due to sample composition. Verified by re-prep and re-analysis.</i>									
<i>Elevated reporting limit for Cd due to matrix interference.</i>									
<i>CCV recovered outside the upper control limits for Co. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 13:49	213444



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4

Work Order: 23091794
Report Date: 17-Nov-23

Lab ID: 23091794-099

Client Sample ID: XSG01

Matrix: GROUNDWATER

Collection Date: 10/09/2023 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.04	ft	1	10/09/2023 12:48	R338100



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-100
Matrix: AQUEOUS

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: Field Blank
Collection Date: 10/12/2023 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		2	mg/L	1	10/13/2023 13:55	R337721
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/13/2023 13:55	R337721
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		26	mg/L	1	10/17/2023 10:55	R337912
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	10/17/2023 0:38	R337819
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	10/16/2023 10:46	R337786
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	10/17/2023 0:37	R337841
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	10/18/2023 18:04	213274
Magnesium	NELAP	0.006	0.050		< 0.050	mg/L	1	10/18/2023 18:04	213274
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	10/18/2023 18:04	213274
Sodium	NELAP	0.018	0.050	J	0.022	mg/L	1	10/18/2023 18:04	213274
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/16/2023 15:36	213274
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	10/16/2023 15:36	213274
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	10/16/2023 15:36	213274
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 15:36	213274
Boron	NELAP	9.2	25.0		< 25.0	µg/L	5	10/16/2023 15:36	213274
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/16/2023 15:36	213274
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	10/16/2023 15:36	213274
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	10/17/2023 23:48	213274
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/16/2023 15:36	213274
Lithium	*	1.4	3.0		< 3.0	µg/L	5	10/16/2023 15:36	213274
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	10/16/2023 15:36	213274
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/16/2023 15:36	213274
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/16/2023 15:36	213274
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 13:51	213444



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-102
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW02 Duplicate
Collection Date: 10/10/2023 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.14	ft	1	10/10/2023 11:56	R338100
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.4	NTU	1	10/10/2023 11:56	R338100
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		11	mV	1	10/10/2023 11:56	R338100
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4390	µS/cm	1	10/10/2023 11:56	R338100
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	10/10/2023 11:56	R338100
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.28	mg/L	1	10/10/2023 11:56	R338100
SW-846 9040B FIELD									
pH	*	0	1.00		6.68		1	10/10/2023 11:56	R338100
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		638	mg/L	1	10/18/2023 12:00	R337915
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/18/2023 12:00	R337915
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	4990	mg/L	2.5	10/26/2023 14:34	R338395
<i>Sample required re-analysis out of hold time.</i>									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	614	1000		2920	mg/L	100	10/13/2023 16:37	R337770
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	10/12/2023 14:17	R337650
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		95	mg/L	10	10/13/2023 16:32	R337794
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		502	mg/L	1	10/13/2023 17:23	213222
Magnesium	NELAP	0.006	0.050		463	mg/L	1	10/13/2023 17:23	213222
Potassium	NELAP	0.040	0.100		7.16	mg/L	1	10/13/2023 17:23	213222
Sodium	NELAP	0.018	0.050		443	mg/L	1	10/13/2023 17:23	213222
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	10/13/2023 18:29	213222
Arsenic	NELAP	0.4	1.0	J	0.7	µg/L	5	10/13/2023 18:29	213222
Barium	NELAP	0.7	1.0		12.4	µg/L	5	10/13/2023 18:29	213222
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 18:29	213222
Boron	NELAP	9.2	25.0		137	µg/L	5	10/13/2023 18:29	213222
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	10/13/2023 18:29	213222
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	10/13/2023 18:29	213222
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	10/16/2023 12:43	213222
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 18:29	213222
Lithium	*	1.4	3.0		113	µg/L	5	10/16/2023 12:43	213222
Molybdenum	NELAP	0.6	1.5	J	1.5	µg/L	5	10/13/2023 18:29	213222
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	10/13/2023 18:29	213222
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	10/13/2023 18:29	213222



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091794-102
Matrix: GROUNDWATER

Work Order: 23091794
Report Date: 17-Nov-23
Client Sample ID: APW02 Duplicate
Collection Date: 10/10/2023 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/19/2023 13:58	213444



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

STANDARD METHODS 2510 B FIELD

Batch R338100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R338100-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	10/10/2023	

Batch R338100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R338100-2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	10/11/2023	

Batch R338100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R338100-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.9	90	110	10/12/2023	

Batch R338100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R338100-4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	10/10/2023	

Batch R338100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R338100-5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	10/11/2023	

Batch R338100		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R338100-6											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	10/12/2023	

SW-846 9040B FIELD

Batch R338100		SampType: LCS		Units							
SampID: LCS-R338100-1											
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	10/10/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9040B FIELD

Batch R338100		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338100-2											
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	10/11/2023	

Batch R338100		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338100-3											
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	10/12/2023	

Batch R338100		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338100-4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	10/10/2023	

Batch R338100		SampType: LCS		Units							Date Analyzed
SampID: LCS-R338100-6											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4	10/12/2023	

EPA 600 350.1 (DISSOLVED)

Batch R337718		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-004EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	E	6.80	2.000	4.927	93.6	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23091794-004EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)		0.10	E	6.89	2.000	4.927	98.4	6.798	1.40	10/13/2023	

Batch R337718		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100805-003EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0.08500	91.6	90	110	10/13/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

EPA 600 350.1 (DISSOLVED)

Batch R337718		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100805-003EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0.08500	90.8	1.917	0.89	10/13/2023	

Batch R337718		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23100942-003EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.08	2.000	0.2160	93.2	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100942-003EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.06	2.000	0.2160	92.4	2.079	0.68	10/13/2023	

Batch R337782		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23091794-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		16.1	10.00	6.729	94.1	90	110	10/16/2023	

Batch R337782		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23091794-002EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		16.1	10.00	6.729	93.3	16.14	0.52	10/16/2023	

Batch R337782		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23091794-003EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		14.9	10.00	5.058	98.0	90	110	10/16/2023	

Batch R337782		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23091794-003EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		14.9	10.00	5.058	98.0	14.85	0.02	10/16/2023	

Batch R337782		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23091794-027EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		9.92	10.00	0.5480	93.8	90	110	10/16/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4

Work Order: 23091794
Report Date: 17-Nov-23

EPA 600 350.1 (DISSOLVED)

Batch R337782		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23091794-027EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		9.96	10.00	0.5480	94.1	9.924	0.36	10/16/2023	

EPA 600 350.1 (TOTAL)

Batch R337718		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
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	10/13/2023	

Batch R337718		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.00	1.000	0	100.4	90	110	10/13/2023	

Batch R337718		SampType: MS		Units mg/L							
SampID: 23100664-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0	94.8	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100664-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.91	2.000	0	95.6	1.897	0.79	10/13/2023	

Batch R337718		SampType: MS		Units mg/L							
SampID: 23100810-007BMS											
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	94.7	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100810-007BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.91	2.000	0	95.4	1.894	0.74	10/13/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

EPA 600 350.1 (TOTAL)

Batch R337718		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100839-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.06	2.000	0.2120	92.4	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23100839-002CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)		0.10		2.07	2.000	0.2120	93.1	2.061	0.63	10/13/2023		

Batch R337718		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100873-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.85	2.000	0.06000	89.6	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23100873-002BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)		0.10		1.89	2.000	0.06000	91.4	1.852	1.93	10/13/2023		

Batch R337718		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100938-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.97	2.000	0.06800	94.9	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23100938-001EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)		0.10		1.94	2.000	0.06800	93.6	1.966	1.38	10/13/2023		

Batch R337718		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101006-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.00	2.000	0.1650	92.0	90	110	10/13/2023	

Batch R337718		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101006-002CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)		0.10		2.02	2.000	0.1650	93.0	2.004	0.99	10/13/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

EPA 600 350.1 (TOTAL)

Batch R337782		SampType: MBLK		Units mg/L						
SampID: ICB/MBLK										
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	10/16/2023

Batch R337782		SampType: LCS		Units mg/L						
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		0.99	1.000	0	98.7	90	110	10/16/2023

Batch R337782		SampType: MS		Units mg/L						
SampID: 23101137-004AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.91	2.000	0.06300	92.6	90	110	10/16/2023

Batch R337782		SampType: MSD		Units mg/L						
SampID: 23101137-004AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.94	2.000	0.06300	93.8	1.914	1.25	10/16/2023

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R337735		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/12/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/12/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/12/2023

Batch R337735		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		948	1000	0	94.8	90	110	10/12/2023
Total Dissolved Solids		20		928	1000	0	92.8	90	110	10/12/2023

Batch R337735		SampType: DUP		Units mg/L						
SampID: 23091794-020ADUP										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		760				768.0	1.05	10/12/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R337735		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23100880-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		368				362.0	1.64	10/12/2023	

Batch R337808		SampType: MBLK		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/13/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/13/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/13/2023	

Batch R337808		SampType: LCS		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		936	1000	0	93.6	90	110	10/13/2023	
Total Dissolved Solids		20		942	1000	0	94.2	90	110	10/13/2023	
Total Dissolved Solids		20		940	1000	0	94.0	90	110	10/13/2023	

Batch R337808		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-003ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		742				732.0	1.36	10/13/2023	

Batch R337808		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-004ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		884				902.0	2.02	10/13/2023	

Batch R337808		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23100942-002BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		528				550.0	4.08	10/13/2023	

Batch R337808		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23100991-005ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		924				908.0	1.75	10/13/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R337858		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	10/16/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/16/2023	

Batch R337858		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		952	1000	0	95.2	90	110	10/16/2023	
Total Dissolved Solids		20		920	1000	0	92.0	90	110	10/16/2023	

Batch R337858		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-040ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		3600				3545	1.54	10/16/2023		

Batch R337858		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23100935-003ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		530				530.0	0.00	10/16/2023		

Batch R337912		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	10/17/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/17/2023	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/17/2023	

Batch R337912		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		984	1000	0	98.4	90	110	10/17/2023	
Total Dissolved Solids		20		952	1000	0	95.2	90	110	10/17/2023	
Total Dissolved Solids		20		964	1000	0	96.4	90	110	10/17/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R337912		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-035ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		536				548.0	2.21	10/17/2023	

Batch R337912		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101026-004ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		370				358.0	3.30	10/17/2023	

Batch R337912		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101248-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50		415				380.0	8.81	10/17/2023	

Batch R338395		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	10/26/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/26/2023

Batch R338395		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		964	1000	0	96.4	90	110	10/26/2023
Total Dissolved Solids		20		976	1000	0	97.6	90	110	10/26/2023

Batch R338395		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23100903-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		318				308.0	3.19	10/26/2023	

Batch R338395		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23100903-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		188				204.0	8.16	10/26/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R338465 SampType: MBLK Units mg/L
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/27/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/27/2023
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	10/27/2023

Batch R338465 SampType: LCS Units mg/L
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		964	1000	0	96.4	90	110	10/27/2023
Total Dissolved Solids		20		954	1000	0	95.4	90	110	10/27/2023
Total Dissolved Solids		20		964	1000	0	96.4	90	110	10/27/2023

Batch R338465 SampType: DUP Units mg/L
SampID: 23091794-098ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200	H	13600				14040	3.33	10/27/2023

Batch R338465 SampType: DUP Units mg/L
SampID: 23100902-003ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		638				624.0	2.22	10/27/2023

Batch R338465 SampType: DUP Units mg/L
SampID: 23100903-006ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		610				618.0	1.30	10/27/2023

Batch R338465 SampType: DUP Units mg/L
SampID: 23100903-042ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		290				286.0	1.39	10/27/2023

Batch R338465 SampType: DUP Units mg/L
SampID: 23101972-006ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		314				320.0	1.89	10/27/2023



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4

Work Order: 23091794
Report Date: 17-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R338465		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 23102042-002BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		556				584.0	4.91	10/27/2023	

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

Batch R337684		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23091794-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	97.0	85	115	10/13/2023	

Batch R337684		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23091794-002BMSD											
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	97.6	0.4850	0.62	10/13/2023	

Batch R337684		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23091794-027BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.4	85	115	10/13/2023	

Batch R337684		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23091794-027BMSD											
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	0.5070	0.20	10/13/2023	

Batch R337684		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23091794-052BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	89.2	85	115	10/13/2023	

Batch R337684		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23091794-052BMSD											
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	88.2	0.4460	1.13	10/13/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch R337684		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-101BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	97.0	85	115	10/13/2023	

Batch R337684		SampType: MSD		Units mg/L							Date Analyzed
SampID: 23091794-101BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	RPD Limit: 10	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.2	0.4850	0.21	10/13/2023	

Batch R337684		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100942-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	104.2	85	115	10/12/2023	

Batch R337684		SampType: MSD		Units mg/L							Date Analyzed
SampID: 23100942-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	RPD Limit: 10	
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	104.6	0.5210	0.38	10/12/2023	

Batch R337684		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100942-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	103.8	85	115	10/12/2023	

Batch R337684		SampType: MSD		Units mg/L							Date Analyzed
SampID: 23100942-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	RPD Limit: 10	
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	104.8	0.5190	0.96	10/12/2023	

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

Batch R337684		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/12/2023	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/12/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch R337684		SampType: MBLK		Units mg/L							
SampID: MBLK-213161											
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	10/12/2023	

Batch R337684		SampType: MBLK		Units mg/Kg							
SampID: MBLK-231011											
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	10/12/2023	

Batch R337684		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		1.18	1.250	0	94.8	90	110	10/12/2023	
Nitrogen, Nitrite (as N)		0.25		1.18	1.250	0	94.8	90	110	10/12/2023	

Batch R337684		SampType: MS		Units mg/L							
SampID: 23091794-090AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0.006000	100.2	85	115	10/13/2023	

Batch R337684		SampType: MSD		Units mg/L							
SampID: 23091794-090AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0.006000	102.0	0.5070	1.76	10/13/2023	

Batch R337684		SampType: MS		Units mg/L							
SampID: 23101003-001BMS											
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	99.8	85	115	10/12/2023	

Batch R337684		SampType: MSD		Units mg/L							
SampID: 23101003-001BMSD											
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	99.6	0.4990	0.20	10/12/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4

Work Order: 23091794
Report Date: 17-Nov-23

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

Batch R337689		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-052BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.239	0.2500	0	95.6	85	115	10/13/2023	

Batch R337689		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-052BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.242	0.2500	0	96.8	0.2390	1.25	10/13/2023		

Batch R337689		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-059BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.249	0.2500	0.01200	94.8	85	115	10/13/2023	

Batch R337689		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-059BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.246	0.2500	0.01200	93.6	0.2490	1.21	10/13/2023		

Batch R337689		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-088BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.239	0.2500	0.01900	88.0	85	115	10/13/2023	

Batch R337689		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-088BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.239	0.2500	0.01900	88.0	0.2390	0.00	10/13/2023		

Batch R337689		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-089BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.250		4.84	1.250	3.524	105.6	85	115	10/13/2023	

Batch R337689		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-089BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.250		4.96	1.250	3.524	114.6	4.844	2.31	10/13/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch R337778		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-043BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.243	0.2500	0.01600	90.8	85	115	10/13/2023	

Batch R337778		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-043BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.245	0.2500	0.01600	91.6	0.2430	0.82	10/13/2023		

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

Batch R337689		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						10/13/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/13/2023	

Batch R337689		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		0.521	0.5000	0	104.2	90	110	10/13/2023	

Batch R337689		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100943-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.287	0.2500	0.05000	94.8	85	115	10/13/2023	

Batch R337689		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23100943-004AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.286	0.2500	0.05000	94.4	0.2870	0.35	10/13/2023		

Batch R337778		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						10/13/2023	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/13/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch R337778		SampType: MBLK		Units mg/L							
SampID: MBLK-213161											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)	*	0.050		< 0.050						10/13/2023	
Nitrogen, Nitrate-Nitrite (as N)	*	0.050		< 0.050	0.0090	0	0	-100	100	10/13/2023	

Batch R337778		SampType: LCS		Units mg/L							
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		0.512	0.5000	0	102.4	90	110	10/13/2023	

Batch R337778		SampType: MS		Units mg/L							
SampID: 23101027-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.387	0.2500	0.1530	93.6	90	110	10/13/2023	

Batch R337778		SampType: MSD		Units mg/L							
SampID: 23101027-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.388	0.2500	0.1530	94.0	0.3870	0.26	10/13/2023	

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R337798		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	10/16/2023	

Batch R337798		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chemical Oxygen Demand		50		160	164.1	0	97.7	90	110	10/16/2023	

Batch R337798		SampType: MS		Units mg/L							
SampID: 23091794-091FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chemical Oxygen Demand		100		1030	1000	28.49	99.7	85	115	10/16/2023	



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R337798		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-091FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chemical Oxygen Demand		100		1130	1000	28.49	110.1	1026	9.63	10/16/2023	

Batch R337798		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23100390-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		1070	1000	17.68	105.5	85	115	10/16/2023

Batch R337798		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23100390-005BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chemical Oxygen Demand		100		991	1000	17.68	97.3	1073	7.96	10/16/2023	

Batch R337798		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23101055-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		1030	1000	19.85	101.4	90	110	10/16/2023

Batch R337798		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101055-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chemical Oxygen Demand		100		974	1000	19.85	95.4	1034	6.03	10/16/2023	

SW-846 9012A (TOTAL)

Batch 213268		SampType: MBLK		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: MBLK 231013 TCN1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	10/16/2023

Batch 213268		SampType: LCS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: LCS 231013 TCN1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		0.025	0.0250	0	99.6	90	110	10/16/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9012A (TOTAL)

Batch 213268		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-027DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	99.4	75	125	10/16/2023	

Batch 213268		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-027DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.025	0.0250	0	100.1	0.02484	0.76	10/16/2023		

Batch 213268		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-052DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	97.4	75	125	10/16/2023	

Batch 213268		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-052DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.024	0.0250	0	97.2	0.02435	0.16	10/16/2023		

Batch 213269		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 231013 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	10/16/2023	

Batch 213269		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 231013 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	100.2	90	110	10/16/2023	

Batch 213269		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-088DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.2	75	125	10/16/2023	

Batch 213269		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-088DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.024	0.0250	0	96.9	0.02530	4.30	10/16/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9012A (TOTAL)

Batch 213269		SampType: MS		Units mg/L							
SampID: 23100760-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.022	0.0250	0.001695	82.4	90	110	10/16/2023	

Batch 213269		SampType: MSD		Units mg/L							
SampID: 23100760-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005	S	0.023	0.0250	0.001695	84.9	0.02230	2.72	10/16/2023	

SW-846 9036 (DISSOLVED)

Batch R337770		SampType: MS		Units mg/L							
SampID: 23100805-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		46	20.00	27.53	93.4	85	115	10/13/2023	

Batch R337770		SampType: MSD		Units mg/L							
SampID: 23100805-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10		48	20.00	27.53	102.0	46.21	3.63	10/13/2023	

Batch R337770		SampType: MS		Units mg/L							
SampID: 23100942-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		186	100.0	98.41	87.6	85	115	10/13/2023	

Batch R337770		SampType: MSD		Units mg/L							
SampID: 23100942-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		190	100.0	98.41	91.9	186.0	2.30	10/13/2023	

Batch R337819		SampType: MS		Units mg/L							
SampID: 23091794-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		209	100.0	118.2	91.2	85	115	10/16/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (DISSOLVED)

Batch R337819		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-006BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		209	100.0	118.2	90.6	209.4	0.29	10/16/2023	

Batch R337819		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23091794-060BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		458	200.0	275.7	91.0	85	115	10/16/2023

Batch R337819		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-060BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		459	200.0	275.7	91.7	457.7	0.32	10/16/2023	

Batch R337819		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23091794-101BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		1880	1000	929.5	95.1	85	115	10/16/2023

Batch R337819		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-101BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		500		1840	1000	929.5	91.3	1881	2.04	10/16/2023	

Batch R337929		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23091794-027BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500		1780	1000	826.9	95.0	85	115	10/18/2023

Batch R337929		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23091794-027BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		500		1780	1000	826.9	95.8	1777	0.41	10/18/2023	

Batch R338019		SampType: MS		Units mg/L				RPD Limit: 10		Date Analyzed
SampID: 23101443-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		186	100.0	92.03	93.7	85	115	10/19/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (DISSOLVED)

Batch R338019		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101443-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		193	100.0	92.03	100.6	185.7	3.66	10/19/2023	

Batch R338161		SampType: MS		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101550-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		185	100.0	92.14	93.1	85	115	10/23/2023	

Batch R338161		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101550-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		192	100.0	92.14	99.4	185.3	3.32	10/23/2023	

Batch R338161		SampType: MS		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101668-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		294	200.0	123.0	85.7	85	115	10/23/2023	

Batch R338161		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 23101668-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		299	200.0	123.0	88.0	294.3	1.56	10/23/2023	

SW-846 9036 (TOTAL)

Batch R337770		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	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	10/13/2023	

Batch R337770		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	Date Analyzed	
Sulfate		10		18	20.00	0	90.1	90	110	10/13/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R337770		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	27	20.00	10.93	80.6	85	115	10/13/2023	

Batch R337770		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23091794-010AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		10	S	27	20.00	10.93	81.6	27.05	0.70	10/13/2023	

Batch R337770		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100806-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	20	20.00	7.110	65.4	85	115	10/13/2023	

Batch R337770		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23100806-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		10	S	20	20.00	7.110	65.2	20.18	0.15	10/13/2023	

Batch R337770		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100880-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		99	40.00	60.17	96.6	90	110	10/13/2023	

Batch R337770		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23100880-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		20		100	40.00	60.17	98.6	98.80	0.83	10/13/2023	

Batch R337770		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100941-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		186	100.0	97.00	89.5	85	115	10/13/2023	

Batch R337770		SampType: MSD		Units mg/L		RPD Limit: 10					Date Analyzed
SampID: 23100941-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		50		188	100.0	97.00	91.4	186.5	1.05	10/13/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R337819		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	10/16/2023	

Batch R337819		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		19	20.00	0	95.5	90	110	10/16/2023	

Batch R337819		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		211	100.0	113.2	97.6	85	115	10/16/2023	

Batch R337819		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-006AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		207	100.0	113.2	94.0	210.8	1.69	10/16/2023		

Batch R337819		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-103AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	22	20.00	10.85	55.8	85	115	10/17/2023	

Batch R337819		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23091794-103AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	22	20.00	10.85	56.8	22.02	0.86	10/17/2023		

Batch R337819		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101081-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		28	20.00	10.73	88.5	85	115	10/17/2023	

Batch R337819		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101081-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		28	20.00	10.73	88.2	28.43	0.25	10/17/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R337890		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	10/17/2023	

Batch R337890		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		19	20.00	0	93.9	90	110	10/17/2023	

Batch R337890		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101090-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		499	200.0	325.3	86.9	85	115	10/17/2023	

Batch R337890		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101090-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		496	200.0	325.3	85.3	499.1	0.64	10/17/2023		

Batch R337890		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101094-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		410	200.0	232.2	89.0	85	115	10/17/2023	

Batch R337890		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101094-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		412	200.0	232.2	90.0	410.2	0.47	10/17/2023		

Batch R337890		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101248-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	24	20.00	8.620	75.2	85	115	10/17/2023	

Batch R337890		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101248-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	25	20.00	8.620	79.4	23.65	3.57	10/17/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R337929		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	10/18/2023	

Batch R337929		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		19	20.00	0	93.6	90	110	10/18/2023	

Batch R337929		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101091-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500		1750	1000	788.0	96.5	85	115	10/18/2023	

Batch R337929		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101091-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		500		1740	1000	788.0	95.6	1753	0.47	10/18/2023		

Batch R337929		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101234-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	E	50	20.00	31.49	93.6	85	115	10/18/2023	

Batch R337929		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101234-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	E	50	20.00	31.49	93.6	50.21	0.00	10/18/2023		

Batch R337929		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101315-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	21	20.00	6.290	73.9	85	115	10/18/2023	

Batch R337929		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101315-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	21	20.00	6.290	71.8	21.07	2.01	10/18/2023		



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R337929		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101339-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		170	100.0	79.36	91.0	85	115	10/18/2023	

Batch R337929		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101339-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		174	100.0	79.36	94.5	170.4	2.00	10/18/2023		

Batch R338019		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	10/19/2023	

Batch R338019		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-213454											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate	*	10		< 10	6.000	0	0	-100	100	10/19/2023	

Batch R338019		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	98.6	90	110	10/19/2023	

Batch R338019		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101474-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		92	40.00	53.29	97.9	90	110	10/19/2023	

Batch R338019		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 23101474-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		94	40.00	53.29	101.1	92.46	1.37	10/19/2023		

Batch R338161		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	10/23/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R338161		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	100.8	90	110	10/23/2023	

Batch R338161		SampType: MS		Units mg/L							
SampID: 23101504-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		5000		18100	10000	8607	94.5	90	110	10/23/2023	

Batch R338161		SampType: MSD		Units mg/L							
SampID: 23101504-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		5000		18600	10000	8607	100.4	18060	3.22	10/23/2023	

Batch R338161		SampType: MS		Units mg/L							
SampID: 23101548-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		39	20.00	21.70	87.2	85	115	10/23/2023	

Batch R338161		SampType: MSD		Units mg/L							
SampID: 23101548-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10		40	20.00	21.70	89.3	39.15	1.04	10/23/2023	

Batch R338161		SampType: MS		Units mg/L							
SampID: 23101593-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		352	200.0	167.7	92.1	90	110	10/23/2023	

Batch R338161		SampType: MSD		Units mg/L							
SampID: 23101593-004CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100	S	334	200.0	167.7	83.0	352.0	5.35	10/23/2023	

Batch R338161		SampType: MS		Units mg/L							
SampID: 23101670-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		300	200.0	124.5	87.8	85	115	10/23/2023	



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R338161		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23101670-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		304	200.0	124.5	89.9	300.0	1.42	10/23/2023	

Batch R338161		SampType: MS		Units mg/L							
SampID: 23101709-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		80	40.00	42.50	94.0	85	115	10/23/2023	

Batch R338161		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23101709-006AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		20		80	40.00	42.50	93.5	80.11	0.29	10/23/2023	

Batch R338345		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	10/26/2023	

Batch R338345		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	99.0	90	110	10/26/2023	

Batch R338345		SampType: MS		Units mg/L							
SampID: 23100903-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		33	20.00	14.78	92.0	85	115	10/26/2023	

Batch R338345		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100903-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10		34	20.00	14.78	96.8	33.18	2.88	10/26/2023	

Batch R338345		SampType: MS		Units mg/L							
SampID: 23100903-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	E	103	40.00	64.43	97.0	85	115	10/26/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R338345		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100903-018AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		20	E	106	40.00	64.43	103.2	103.2	2.38	10/26/2023	

Batch R338345		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23100903-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	E	58	20.00	40.35	89.9	85	115	10/26/2023	

Batch R338345		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100903-025AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10	E	59	20.00	40.35	93.2	58.33	1.13	10/26/2023	

Batch R338345		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23100903-030AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		90	40.00	51.65	95.5	85	115	10/26/2023	

Batch R338345		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23100903-030AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		20		91	40.00	51.65	97.7	89.85	0.96	10/26/2023	

Batch R338345		SampType: MS		Units mg/Kg-dry				RPD Limit: 10			
SampID: 23101757-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		2090		4120	4186	0	98.4	85	115	10/26/2023	

Batch R338345		SampType: MSD		Units mg/Kg-dry				RPD Limit: 10			
SampID: 23101757-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		2090		4170	4186	0	99.5	4120	1.13	10/26/2023	

Batch R338345		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 23101895-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500		1520	1000	589.6	92.9	90	110	10/26/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9036 (TOTAL)

Batch R338345		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 23101895-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		500		1530	1000	589.6	94.2	1519	0.87	10/26/2023	

SW-846 9060A

Batch R337923		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)		1.0		< 1.0	0.4500	0	0	-100	100	10/18/2023	

Batch R337923		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.1	5.000	0	101.6	90	110	10/18/2023	

Batch R337923		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 23101051-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0				0	0.00	10/18/2023	

Batch R337923		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 23101148-001DDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Organic Carbon (TOC)		10.0		22.3				23.26	4.39	10/18/2023	

Batch R337923		SampType: DUP		Units mg/L				RPD Limit: 15			
SampID: 23101316-001KDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Organic Carbon (TOC)		1.0		6.2				6.060	2.77	10/18/2023	

Batch R338054		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)		1.0		< 1.0	0.4500	0	0	-100	100	10/20/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9060A

Batch R338054		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Total Organic Carbon (TOC)		1.0		5.0	5.000	0	101.0	90	110		10/20/2023

Batch R338054		SampType: MS		Units mg/L							Date
SampID: 23091794-062EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Total Organic Carbon (TOC)		5.0	S	28.2	25.00	8.760	77.6	85	115		10/20/2023

Batch R338054		SampType: MSD		Units mg/L		RPD Limit: 10					Date
SampID: 23091794-062EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		5.0	S	28.6	25.00	8.760	79.2	28.17	1.34		10/20/2023

Batch R338054		SampType: DUP		Units mg/L		RPD Limit: 10					Date
SampID: 23101395-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		1.0		6.4				6.390	0.47		10/20/2023

Batch R338054		SampType: DUP		Units mg/L		RPD Limit: 10					Date
SampID: 23101395-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		1.0		3.7				3.740	1.62		10/20/2023

Batch R338054		SampType: DUP		Units mg/L		RPD Limit: 10					Date
SampID: 23101408-003DDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		10.0		16.6				16.80	1.20		10/20/2023

Batch R338054		SampType: DUP		Units mg/L		RPD Limit: 10					Date
SampID: 23101408-004DDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		1.0		4.0				3.980	0.25		10/20/2023

Batch R338054		SampType: DUP		Units mg/L		RPD Limit: 10					Date
SampID: 23101408-005DDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Total Organic Carbon (TOC)		1.0		8.5				8.390	0.95		10/20/2023



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9060A

Batch R338054		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 23101408-006DDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Organic Carbon (TOC)		10.0		11.2				11.39	2.13	10/20/2023	

SW-846 9214 (DISSOLVED)

Batch R337650		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23100805-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.49	2.000	0.3950	104.6	75	125	10/12/2023	

Batch R337650		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23100805-008BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3950	102.8	2.488	1.54	10/12/2023	

Batch R337786		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23091794-028BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.06	2.000	0.2180	92.4	75	125	10/16/2023	

Batch R337786		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23091794-028BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.12	2.000	0.2180	94.9	2.065	2.44	10/16/2023	

Batch R337786		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23091794-046BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.30	2.000	0.3240	98.8	75	125	10/16/2023	

Batch R337786		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23091794-046BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.3240	102.2	2.299	2.91	10/16/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9214 (DISSOLVED)

Batch R337786		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-104BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.35	2.000	0.2700	104.0	75	125	10/16/2023	

Batch R337786		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-104BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.32	2.000	0.2700	102.4	2.350	1.33	10/16/2023		

SW-846 9214 (TOTAL)

Batch R337650		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	10/12/2023	

Batch R337650		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		0.99	1.000	0	98.9	90	110	10/12/2023	

Batch R337650		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-012AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.56	2.000	0.4790	103.9	75	125	10/12/2023	

Batch R337650		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-012AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.55	2.000	0.4790	103.4	2.557	0.39	10/12/2023		

Batch R337650		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-021AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.55	2.000	0.5430	100.3	75	125	10/12/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9214 (TOTAL)

Batch R337650		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23091794-021AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.62	2.000	0.5430	103.6	2.549	2.59	10/12/2023	

Batch R337650		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23091794-102AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.95	2.000	0.2040	87.4	75	125	10/12/2023	

Batch R337650		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23091794-102AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		1.98	2.000	0.2040	89.0	1.952	1.63	10/12/2023	

Batch R337650		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23092056-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.88	2.000	0.9050	98.8	75	125	10/12/2023	

Batch R337650		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23092056-002BMSS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.91	2.000	0.9050	100.4	2.882	1.10	10/12/2023	

Batch R337650		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23100530-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.59	2.000	0.6590	96.6	75	125	10/12/2023	

Batch R337650		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23100530-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.61	2.000	0.6590	97.8	2.590	0.92	10/12/2023	

Batch R337650		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23100712-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.53	2.000	0.6370	94.8	75	125	10/12/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9214 (TOTAL)

Batch R337650		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23100712-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.10		2.58	2.000	0.6370	97.2	2.532	1.92	10/12/2023	

Batch R337650		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23100860-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.66	2.000	0.7130	97.2	75	125	10/12/2023	

Batch R337650		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23100860-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.10		2.67	2.000	0.7130	97.8	2.657	0.49	10/12/2023	

Batch R337786		SampType: MBLK		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: MBLK											
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	10/16/2023	

Batch R337786		SampType: LCS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		1.01	1.000	0	101.1	90	110	10/16/2023	

Batch R337786		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23091794-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.35	2.000	0.2150	106.6	75	125	10/16/2023	

Batch R337786		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23091794-016AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.10		2.66	2.000	0.2150	122.2	2.348	12.39	10/16/2023	

Batch R337786		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 23091794-023AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.98	2.000	0.9210	103.1	75	125	10/16/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9214 (TOTAL)

Batch R337786		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23091794-023AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.98	2.000	0.9210	102.9	2.983	0.13	10/16/2023	

Batch R337786		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23100953-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.76	2.000	0.6310	106.4	75	125	10/16/2023	

Batch R337786		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23100953-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.72	2.000	0.6310	104.2	2.759	1.61	10/16/2023	

Batch R337786		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23101030-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.32	2.000	0.3580	98.0	75	125	10/16/2023	

Batch R337786		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23101030-004AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.40	2.000	0.3580	102.2	2.317	3.64	10/16/2023	

Batch R337786		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23101081-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.92	2.000	0	96.2	75	125	10/16/2023	

Batch R337786		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23101081-008AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		1.93	2.000	0	96.4	1.925	0.16	10/16/2023	

Batch R337786		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23101092-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.53	2.000	0.4170	105.8	75	125	10/16/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9214 (TOTAL)

Batch R337786		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23101092-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.52	2.000	0.4170	105.2	2.533	0.47	10/16/2023	

SW-846 9251 (DISSOLVED)

Batch R337794		SampType: MS		Units mg/L							
SampID: 23091794-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		26	20.00	7.920	90.6	85	115	10/13/2023	

Batch R337794		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23091794-006BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		26	20.00	7.920	90.2	26.05	0.35	10/13/2023	

Batch R337794		SampType: MS		Units mg/L							
SampID: 23100805-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	51	20.00	32.39	90.8	85	115	10/13/2023	

Batch R337794		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23100805-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4	E	51	20.00	32.39	90.8	50.54	0.02	10/13/2023	

Batch R337794		SampType: MS		Units mg/L							
SampID: 23100942-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		25	20.00	6.470	90.5	85	115	10/13/2023	

Batch R337794		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23100942-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	6.470	90.1	24.57	0.33	10/13/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9251 (DISSOLVED)

Batch R337841		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-027BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		119	100.0	26.60	92.3	85	115	10/16/2023	

Batch R337841		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-027BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		20		117	100.0	26.60	90.0	118.9	1.95	10/16/2023		

Batch R337841		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-060BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		136	100.0	46.37	90.0	85	115	10/16/2023	

Batch R337841		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-060BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		20		136	100.0	46.37	89.9	136.4	0.12	10/16/2023		

Batch R337841		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-101BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40	S	328	200.0	161.9	83.2	85	115	10/16/2023	

Batch R337841		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-101BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		40	S	327	200.0	161.9	82.8	328.3	0.26	10/16/2023		

Batch R338024		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101443-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	53	20.00	35.15	90.2	85	115	10/19/2023	

Batch R338024		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23101443-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4	E	52	20.00	35.15	86.4	53.19	1.46	10/19/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9251 (DISSOLVED)

Batch R338166		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101550-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	E	63	20.00	44.46	94.4	85	115	10/23/2023	

Batch R338166		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23101550-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4	E	64	20.00	44.46	97.4	63.34	0.94	10/23/2023		

Batch R338166		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101668-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		31	20.00	12.95	90.0	85	115	10/23/2023	

Batch R338166		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23101668-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		31	20.00	12.95	90.0	30.96	0.03	10/23/2023		

SW-846 9251 (TOTAL)

Batch R337794		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	10/13/2023	

Batch R337794		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	98.8	90	110	10/13/2023	

Batch R337794		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		26	20.00	7.440	90.8	85	115	10/13/2023	



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9251 (TOTAL)

Batch R337794		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23091794-006AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		26	20.00	7.440	91.2	25.59	0.39	10/13/2023	

Batch R337794		SampType: MS		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23091794-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		40	20.00	22.51	86.2	85	115	10/13/2023	

Batch R337794		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23091794-010AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		40	20.00	22.51	86.6	39.74	0.25	10/13/2023	

Batch R337794		SampType: MS		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23100806-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		27	20.00	8.750	89.8	85	115	10/13/2023	

Batch R337794		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23100806-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		27	20.00	8.750	89.9	26.70	0.11	10/13/2023	

Batch R337794		SampType: MS		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23100941-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		25	20.00	6.510	90.8	85	115	10/13/2023	

Batch R337794		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 23100941-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		25	20.00	6.510	91.2	24.66	0.36	10/13/2023	

Batch R337841		SampType: MBLK		Units mg/L				RPD Limit: 15			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	10/16/2023	



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9251 (TOTAL)

Batch R337841		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		19	20.00	0	95.0	90	110	10/16/2023	

Batch R337841		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-103AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		248	200.0	48.59	99.7	85	115	10/17/2023	

Batch R337841		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-103AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		40		243	200.0	48.59	97.1	248.0	2.15	10/17/2023		

Batch R337841		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101081-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	99.6	85	115	10/17/2023	

Batch R337841		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 23101081-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		20	20.00	0	99.7	19.91	0.10	10/17/2023		

Batch R337892		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	10/17/2023	

Batch R337892		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		19	20.00	0	92.6	90	110	10/17/2023	

Batch R337892		SampType: MS		Units mg/L							Date Analyzed
SampID: 23101090-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		468	200.0	279.7	94.2	85	115	10/17/2023	



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9251 (TOTAL)

Batch R337892		SampType: MSD		Units mg/L			RPD Limit: 15			
SampID: 23101090-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		462	200.0	279.7	91.0	468.2	1.38	10/17/2023

Batch R337892		SampType: MS		Units mg/L			RPD Limit: 15			
SampID: 23101094-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		30	20.00	12.21	90.0	85	115	10/17/2023

Batch R337892		SampType: MSD		Units mg/L			RPD Limit: 15			
SampID: 23101094-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		30	20.00	12.21	90.9	30.20	0.59	10/17/2023

Batch R337892		SampType: MS		Units mg/L			RPD Limit: 15			
SampID: 23101248-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		47	20.00	27.40	97.6	85	115	10/17/2023

Batch R337892		SampType: MSD		Units mg/L			RPD Limit: 15			
SampID: 23101248-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		46	20.00	27.40	95.2	46.91	0.99	10/17/2023

Batch R337955		SampType: MBLK		Units mg/L			RPD Limit: 15			
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	10/18/2023

Batch R337955		SampType: LCS		Units mg/L			RPD Limit: 15			
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	100.2	90	110	10/18/2023

Batch R337955		SampType: MS		Units mg/L			RPD Limit: 15			
SampID: 23101091-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		1160	1000	204.0	96.0	85	115	10/18/2023



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9251 (TOTAL)

Batch R337955		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23101091-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		200		1170	1000	204.0	96.3	1164	0.23	10/18/2023	

Batch R337955		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23101234-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		170	100.0	78.40	91.2	85	115	10/18/2023	

Batch R337955		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23101234-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20		173	100.0	78.40	94.6	169.6	1.98	10/18/2023	

Batch R337955		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23101315-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		32	20.00	13.45	94.6	85	115	10/18/2023	

Batch R337955		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23101315-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		32	20.00	13.45	92.5	32.38	1.34	10/18/2023	

Batch R337955		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 23101339-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		187	100.0	97.26	89.5	85	115	10/18/2023	

Batch R337955		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 23101339-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20		191	100.0	97.26	93.6	186.8	2.18	10/18/2023	

Batch R338024		SampType: MBLK		Units mg/L				RPD Limit: 15			
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	10/19/2023	



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 9251 (TOTAL)

Batch R338024		SampType: MBLK		Units mg/L							
SampID: MBLK-213454											
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	10/19/2023	

Batch R338024		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	100.7	90	110	10/19/2023	

Batch R338166		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	10/23/2023	

Batch R338166		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	102.6	90	110	10/23/2023	

Batch R338166		SampType: MS		Units mg/L							
SampID: 23101504-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		2000		13800	10000	4542	92.9	85	115	10/23/2023	

Batch R338166		SampType: MSD		Units mg/L							
SampID: 23101504-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		2000		13900	10000	4542	93.8	13830	0.68	10/23/2023	

Batch R338166		SampType: MS		Units mg/L							
SampID: 23101548-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		35	20.00	16.94	89.7	85	115	10/23/2023	

Batch R338166		SampType: MSD		Units mg/L							
SampID: 23101548-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		35	20.00	16.94	90.7	34.87	0.60	10/23/2023	



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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

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SW-846 9251 (TOTAL)

Batch R338166		SampType: MS		Units mg/L							Date
SampID: 23101593-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		40	S	364	200.0	195.3	84.3	85	115		10/23/2023

Batch R338166		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23101593-004CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		40	S	361	200.0	195.3	83.0	363.9	0.72		10/23/2023

Batch R338166		SampType: MS		Units mg/L							Date
SampID: 23101670-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		31	20.00	12.77	90.8	85	115		10/23/2023

Batch R338166		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23101670-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		31	20.00	12.77	91.8	30.94	0.58		10/23/2023

Batch R338363		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		< 4	0.5000	0	0	-100	100		10/26/2023

Batch R338363		SampType: MBLK		Units mg/Kg							Date
SampID: MB-R338363											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride	*	40		< 40	0.5000	0	0	-100	100		10/26/2023

Batch R338363		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		20	20.00	0	100.6	90	110		10/26/2023

Batch R338363		SampType: LCS		Units mg/Kg							Date
SampID: LCS-R338363											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride	*	40	J	20	20.00	0	100.6	90	110		10/26/2023



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Client: Ramboll

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Client Project: NEW-23Q4

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SW-846 9251 (TOTAL)

Batch R338363		SampType: MS		Units mg/L							Date
SampID: 23100903-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		40	20.00	21.82	90.0	85	115		10/26/2023

Batch R338363		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23100903-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		40	20.00	21.82	90.6	39.82	0.33		10/26/2023

Batch R338363		SampType: MS		Units mg/L							Date
SampID: 23100903-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		36	20.00	17.17	92.6	85	115		10/26/2023

Batch R338363		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23100903-018AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		36	20.00	17.17	93.0	35.68	0.22		10/26/2023

Batch R338363		SampType: MS		Units mg/L							Date
SampID: 23100903-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		39	20.00	20.92	91.8	85	115		10/26/2023

Batch R338363		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23100903-025AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		39	20.00	20.92	92.8	39.29	0.46		10/26/2023

Batch R338363		SampType: MS		Units mg/L							Date
SampID: 23100903-030AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Chloride		4		30	20.00	11.59	94.4	85	115		10/26/2023

Batch R338363		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 23100903-030AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Chloride		4		30	20.00	11.59	94.3	30.46	0.03		10/26/2023



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Work Order: 23091794

Client Project: NEW-23Q4

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SW-846 9251 (TOTAL)

Batch R338363		SampType: MS		Units mg/Kg-dry							Date Analyzed
SampID: 23101757-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	837		4220	4186	161.4	96.9	85	115	10/26/2023	

Batch R338363		SampType: MSD		Units mg/Kg-dry							RPD Limit: 15	Date Analyzed
SampID: 23101757-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride	*	837		4200	4186	161.4	96.4	4220	0.51	10/26/2023		

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

Batch 213337		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-213337											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	10/18/2023	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	10/18/2023	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	10/18/2023	
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	10/18/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/18/2023	
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	10/18/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	10/18/2023	
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	10/18/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/18/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/18/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2023	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	10/18/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/18/2023	
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	10/18/2023	
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	10/18/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213337 SampType: LCS Units mg/L
SampID: LCS-213337

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		0.484	0.5000	0	96.9	85	115	10/18/2023
Arsenic		0.0250		0.490	0.5000	0	97.9	85	115	10/18/2023
Boron		0.0200		0.482	0.5000	0	96.4	85	115	10/18/2023
Cadmium		0.0020		0.0485	0.0500	0	97.0	85	115	10/18/2023
Calcium		0.100		2.54	2.500	0	101.5	85	115	10/18/2023
Chromium		0.0050		0.195	0.2000	0	97.3	85	115	10/18/2023
Iron		0.0400		2.04	2.000	0	102.0	85	115	10/18/2023
Lead		0.0150		0.489	0.5000	0	97.8	85	115	10/18/2023
Magnesium		0.0500		2.31	2.500	0	92.4	85	115	10/18/2023
Manganese		0.0070		0.488	0.5000	0	97.5	85	115	10/18/2023
Potassium		0.100		2.53	2.500	0	101.1	85	115	10/18/2023
Selenium		0.0400		0.465	0.5000	0	93.0	85	115	10/18/2023
Sodium		0.0500		2.48	2.500	0	99.3	85	115	10/18/2023
Vanadium		0.0100		0.487	0.5000	0	97.4	85	115	10/18/2023
Zinc		0.0100		0.485	0.5000	0	97.0	85	115	10/18/2023

Batch 213337 SampType: MS Units mg/L
SampID: 23091794-049CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	539	2.500	545.5	-244.0	75	125	10/18/2023
Magnesium		0.050	S	418	2.500	425.1	-288.4	75	125	10/18/2023
Potassium		0.100		8.65	2.500	6.102	102.0	75	125	10/18/2023
Sodium		0.050	S	424	2.500	432.1	-313.6	75	125	10/18/2023

Batch 213337 SampType: MSD Units mg/L
SampID: 23091794-049CMSD

RPD Limit: 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	534	2.500	545.5	-472.4	539.4	1.06	10/18/2023
Magnesium		0.050	S	416	2.500	425.1	-372.2	417.8	0.50	10/18/2023
Potassium		0.100		8.63	2.500	6.102	101.0	8.651	0.27	10/18/2023
Sodium		0.050	S	423	2.500	432.1	-363.2	424.2	0.29	10/18/2023



Quality Control Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213337		SampType: MS		Units mg/L						
SampID: 23100899-005CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		5.73	2.000	3.650	104.0	75	125	10/18/2023
Manganese		0.0070		2.15	0.5000	1.680	95.1	75	125	10/18/2023

Batch 213337		SampType: MSD		Units mg/L						
SampID: 23100899-005CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		5.68	2.000	3.650	101.5	5.730	0.88	10/18/2023
Manganese		0.0070		2.14	0.5000	1.680	91.4	2.155	0.86	10/18/2023

Batch 213338		SampType: MBLK		Units mg/L						
SampID: MBLK-213338										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	10/18/2023
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	10/18/2023
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	10/18/2023
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	10/18/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/18/2023
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/18/2023
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	10/18/2023
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	10/18/2023
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	10/18/2023
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	10/18/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/18/2023
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/18/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2023
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	10/18/2023
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	10/18/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/18/2023
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	10/18/2023
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	10/18/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213338 SampType: LCS Units mg/L

SampID: LCS-213338

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		0.436	0.5000	0	87.1	85	115	10/18/2023
Arsenic		0.0250		0.488	0.5000	0	97.6	85	115	10/18/2023
Boron		0.0200		0.487	0.5000	0	97.4	85	115	10/18/2023
Cadmium		0.0020		0.0462	0.0500	0	92.4	85	115	10/18/2023
Calcium		0.100		2.55	2.500	0	102.0	85	115	10/18/2023
Calcium		0.100		2.55	2.500	0	102.0	85	115	10/18/2023
Chromium		0.0050		0.195	0.2000	0	97.3	85	115	10/18/2023
Iron		0.0400		1.99	2.000	0	99.3	85	115	10/18/2023
Lead		0.0150		0.481	0.5000	0	96.3	85	115	10/18/2023
Magnesium		0.050		2.19	2.500	0	87.8	85	115	10/18/2023
Magnesium		0.0500		2.19	2.500	0	87.8	85	115	10/18/2023
Manganese		0.0070		0.496	0.5000	0	99.1	85	115	10/18/2023
Potassium		0.100		2.54	2.500	0	101.6	85	115	10/18/2023
Potassium		0.100		2.54	2.500	0	101.6	85	115	10/18/2023
Selenium		0.0400		0.478	0.5000	0	95.5	85	115	10/18/2023
Sodium		0.050		2.41	2.500	0	96.2	85	115	10/18/2023
Sodium		0.0500		2.41	2.500	0	96.2	85	115	10/18/2023
Vanadium		0.0100		0.481	0.5000	0	96.2	85	115	10/18/2023
Zinc		0.0100		0.485	0.5000	0	97.1	85	115	10/18/2023

Batch 213338 SampType: MS Units mg/L

SampID: 23100935-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	93.8	2.500	93.08	30.0	75	125	10/18/2023
Iron		0.0400		1.99	2.000	0	99.7	75	125	10/18/2023
Magnesium		0.0500		32.2	2.500	30.02	87.5	75	125	10/18/2023
Potassium		0.100		5.41	2.500	2.967	97.5	75	125	10/18/2023
Sodium		0.0500		13.4	2.500	11.28	82.8	75	125	10/18/2023



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213338		SampType: MSD		Units mg/L			RPD Limit: 20				
SampID: 23100935-006BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	93.1	2.500	93.08	0.8	93.83	0.78	10/18/2023	
Iron		0.0400		1.98	2.000	0	98.8	1.994	0.95	10/18/2023	
Magnesium		0.0500		31.9	2.500	30.02	76.3	32.21	0.88	10/18/2023	
Potassium		0.100		5.37	2.500	2.967	96.3	5.406	0.59	10/18/2023	
Sodium		0.0500		13.3	2.500	11.28	80.0	13.35	0.53	10/18/2023	

Batch 213380		SampType: MBLK		Units mg/L							
SampID: MBLK-213380											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	10/18/2023	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	10/18/2023	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	10/18/2023	
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	10/18/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/18/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/18/2023	
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	10/18/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	10/18/2023	
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	10/18/2023	
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	10/18/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/18/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/18/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/18/2023	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	10/18/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/18/2023	
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	10/18/2023	
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	10/18/2023	
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	10/18/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213380 SampType: LCS Units mg/L

SampID: LCS-213380

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		0.442	0.5000	0	88.4	85	115	10/18/2023
Arsenic		0.0250		0.496	0.5000	0	99.2	85	115	10/18/2023
Boron		0.0200		0.482	0.5000	0	96.5	85	115	10/18/2023
Cadmium		0.0020		0.0508	0.0500	0	101.6	85	115	10/18/2023
Calcium		0.100		2.51	2.500	0	100.5	85	115	10/18/2023
Chromium		0.0050		0.193	0.2000	0	96.6	85	115	10/18/2023
Iron		0.0400		1.98	2.000	0	99.1	85	115	10/18/2023
Lead		0.0150		0.483	0.5000	0	96.6	85	115	10/18/2023
Magnesium		0.0500		2.23	2.500	0	89.1	85	115	10/18/2023
Manganese		0.0070		0.475	0.5000	0	95.0	85	115	10/18/2023
Potassium		0.100		2.58	2.500	0	103.3	85	115	10/18/2023
Selenium		0.0400		0.484	0.5000	0	96.8	85	115	10/18/2023
Sodium		0.0500		2.48	2.500	0	99.2	85	115	10/18/2023
Vanadium		0.0100		0.488	0.5000	0	97.6	85	115	10/18/2023
Zinc		0.0100		0.491	0.5000	0	98.2	85	115	10/18/2023

Batch 213380 SampType: MS Units mg/L

SampID: 23091794-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	213	2.500	215.4	-90.0	75	125	10/18/2023
Magnesium		0.050	S	167	2.500	167.8	-28.7	75	125	10/18/2023
Potassium		0.100		5.43	2.500	2.876	102.3	75	125	10/18/2023
Sodium		0.050	S	96.5	2.500	96.11	14.0	75	125	10/18/2023

Batch 213380 SampType: MSD Units mg/L

RPD Limit: 20

SampID: 23091794-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	214	2.500	215.4	-54.4	213.2	0.42	10/18/2023
Magnesium		0.050	S	168	2.500	167.8	-8.0	167.1	0.31	10/18/2023
Potassium		0.100		5.55	2.500	2.876	107.1	5.434	2.17	10/18/2023
Sodium		0.050	S	96.8	2.500	96.11	29.2	96.46	0.39	10/18/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213380		SampType: MS		Units mg/L							
SampID: 23091794-043CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	515	2.500	524.6	-370.4	75	125	10/18/2023	
Magnesium		0.050	S	368	2.500	371.4	-133.0	75	125	10/18/2023	
Potassium		0.100		9.06	2.500	6.399	106.3	75	125	10/18/2023	
Sodium		0.050	S	412	2.500	418.1	-260.8	75	125	10/18/2023	

Batch 213380		SampType: MSD		Units mg/L							RPD Limit: 20	
SampID: 23091794-043CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	517	2.500	524.6	-312.4	515.4	0.28	10/18/2023		
Magnesium		0.050	S	368	2.500	371.4	-148.6	368.0	0.11	10/18/2023		
Potassium		0.100		9.05	2.500	6.399	106.0	9.057	0.09	10/18/2023		
Sodium		0.050	S	414	2.500	418.1	-173.6	411.6	0.53	10/18/2023		

Batch 213410		SampType: MBLK		Units mg/L							
SampID: MBLK-213410											
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	10/19/2023	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	10/19/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/19/2023	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/19/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/19/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/19/2023	

Batch 213410		SampType: LCS		Units mg/L							
SampID: LCS-213410											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.45	2.500	0	98.0	85	115	10/19/2023	
Iron		0.0400		1.91	2.000	0	95.6	85	115	10/19/2023	
Magnesium		0.0500		2.22	2.500	0	88.9	85	115	10/19/2023	
Manganese		0.0070		0.467	0.5000	0	93.5	85	115	10/19/2023	
Potassium		0.100		2.36	2.500	0	94.5	85	115	10/19/2023	
Sodium		0.0500		2.35	2.500	0	94.0	85	115	10/19/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213410		SampType: MS		Units mg/L						
SampID: 23091794-100DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.47	2.500	0	98.9	75	125	10/19/2023
Magnesium		0.050		2.24	2.500	0	89.5	75	125	10/19/2023
Potassium		0.100		2.39	2.500	0	95.7	75	125	10/19/2023
Sodium		0.050		2.39	2.500	0	95.4	75	125	10/19/2023

Batch 213410		SampType: MSD		Units mg/L							RPD Limit: 20
SampID: 23091794-100DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		2.50	2.500	0	100.0	2.471	1.19	10/19/2023	
Magnesium		0.050		2.25	2.500	0	89.8	2.238	0.34	10/19/2023	
Potassium		0.100		2.43	2.500	0	97.1	2.393	1.39	10/19/2023	
Sodium		0.050		2.42	2.500	0	96.6	2.386	1.27	10/19/2023	

Batch 213410		SampType: MS		Units mg/L						
SampID: 23101133-013CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		5.76	4.000	2.220	88.5	75	125	10/19/2023
Manganese		0.0070		2.73	1.000	1.912	81.3	75	125	10/19/2023

Batch 213410		SampType: MSD		Units mg/L							RPD Limit: 20
SampID: 23101133-013CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Iron		0.0400		5.83	4.000	2.220	90.2	5.760	1.21	10/19/2023	
Manganese		0.0070		2.75	1.000	1.912	83.6	2.726	0.84	10/19/2023	

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

Batch 213214		SampType: MBLK		Units mg/L						
SampID: MBLK-213214										
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	10/13/2023
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/13/2023
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/13/2023
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/13/2023



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213214		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-213214											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.66	2.500	0	106.4	85	115	10/13/2023	
Magnesium		0.0500		2.46	2.500	0	98.2	85	115	10/13/2023	
Potassium		0.100		2.64	2.500	0	105.4	85	115	10/13/2023	
Sodium		0.0500		2.54	2.500	0	101.5	85	115	10/13/2023	

Batch 213214		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-095BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		14.4	2.500	12.36	83.2	75	125	10/13/2023	
Magnesium		0.050		3.44	2.500	1.078	94.3	75	125	10/13/2023	
Potassium		2.00		49.5	2.500	46.89	103.1	75	125	10/16/2023	
Sodium		1.00	S	2100	2.500	2113	-512.0	75	125	10/16/2023	

Batch 213214		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23091794-095BMMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	14.2	2.500	12.36	73.6	14.44	1.68	10/13/2023		
Magnesium		0.050		3.33	2.500	1.078	90.2	3.436	3.05	10/13/2023		
Potassium		2.00	S	50.2	2.500	46.89	131.4	49.47	1.42	10/16/2023		
Sodium		1.00	S	2130	2.500	2113	856.0	2100	1.62	10/16/2023		

Batch 213222		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-213222											
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	10/13/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/13/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/13/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/13/2023	

Batch 213222		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-213222											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.64	2.500	0	105.4	85	115	10/13/2023	
Magnesium		0.0500		2.45	2.500	0	97.9	85	115	10/13/2023	
Potassium		0.100		2.65	2.500	0	106.0	85	115	10/13/2023	
Sodium		0.0500		2.53	2.500	0	101.2	85	115	10/13/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213222		SampType: MS		Units mg/L							
SampID: 23091794-098BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	126	2.500	121.9	167.6	75	125	10/13/2023	
Magnesium		0.050		2.95	2.500	0.5865	94.6	75	125	10/13/2023	
Potassium		10.0	S	97.2	2.500	93.69	140.4	75	125	10/16/2023	
Sodium		5.00	S	4110	2.500	4078	1400	75	125	10/16/2023	

Batch 213222		SampType: MSD		Units mg/L							
SampID: 23091794-098BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	126	2.500	121.9	154.4	126.1	0.26	10/13/2023	
Magnesium		0.050		2.98	2.500	0.5865	95.9	2.952	1.04	10/13/2023	
Potassium		10.0	S	98.5	2.500	93.69	190.8	97.20	1.29	10/16/2023	
Sodium		5.00	S	4180	2.500	4078	4280	4113	1.74	10/16/2023	

Batch 213274		SampType: MBLK		Units mg/L							
SampID: MBLK-213274											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	10/18/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/17/2023	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/17/2023	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/17/2023	
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	10/17/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/17/2023	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/17/2023	
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	10/17/2023	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/17/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213274		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-213274											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0250		0.553	0.5000	0	110.6	85	115	10/18/2023	
Calcium		0.100		2.61	2.500	0	104.5	85	115	10/17/2023	
Calcium		0.100		2.61	2.500	0	104.5	85	115	10/17/2023	
Iron		0.0400		2.22	2.000	0	111.0	85	115	10/18/2023	
Magnesium		0.050		2.51	2.500	0	100.5	85	115	10/17/2023	
Magnesium		0.0500		2.51	2.500	0	100.5	85	115	10/17/2023	
Potassium		0.100		2.61	2.500	0	104.3	85	115	10/17/2023	
Potassium		0.100		2.61	2.500	0	104.3	85	115	10/17/2023	
Sodium		0.0500		2.59	2.500	0	103.7	85	115	10/17/2023	
Sodium		0.050		2.59	2.500	0	103.7	85	115	10/17/2023	

Batch 213274		SampType: MS		Units mg/L							Date Analyzed
SampID: 23091794-047BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	130	2.500	123.2	264.4	75	125	10/18/2023	
Magnesium		0.050	S	48.5	2.500	44.61	154.8	75	125	10/18/2023	
Potassium		0.100		4.91	2.500	2.002	116.5	75	125	10/18/2023	
Sodium		0.050	S	110	2.500	103.2	271.2	75	125	10/18/2023	

Batch 213274		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23091794-047BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	129	2.500	123.2	216.0	129.8	0.94	10/18/2023		
Magnesium		0.050	S	48.4	2.500	44.61	151.2	48.48	0.18	10/18/2023		
Potassium		0.100		4.97	2.500	2.002	118.6	4.915	1.05	10/18/2023		
Sodium		0.050	S	109	2.500	103.2	227.2	110.0	1.00	10/18/2023		

Batch 213274		SampType: MS		Units mg/L							Date Analyzed
SampID: 23100784-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Potassium		1.00	S	22.2	2.500	20.76	56.6	75	125	10/18/2023	

Batch 213274		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 23100784-003AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Potassium		1.00		23.4	2.500	20.76	104.5	22.18	5.25	10/18/2023		



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213337 SampType: MBLK Units µg/L

SampID: MBLK-213337

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/17/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/17/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/17/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/17/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/18/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/17/2023
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/18/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/17/2023
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/17/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/17/2023
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	10/18/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	10/17/2023

Batch 213337 SampType: LCS Units µg/L

SampID: LCS-213337

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		461	500.0	0	92.3	80	120	10/17/2023
Arsenic		1.0		488	500.0	0	97.6	80	120	10/17/2023
Boron		25.0		453	500.0	0	90.7	80	120	10/17/2023
Cadmium		1.0		47.6	50.00	0	95.3	80	120	10/17/2023
Chromium		1.5		184	200.0	0	91.9	80	120	10/18/2023
Chromium		1.5		183	200.0	0	91.5	80	120	10/17/2023
Iron		25.0		1870	2000	0	93.5	80	120	10/18/2023
Lead		1.0		487	500.0	0	97.5	80	120	10/17/2023
Manganese		2.0		458	500.0	0	91.7	80	120	10/17/2023
Selenium		1.0		437	500.0	0	87.4	80	120	10/17/2023
Vanadium		5.0		452	500.0	0	90.5	80	120	10/18/2023
Zinc		15.0		440	500.0	0	88.0	80	120	10/17/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213337		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-049CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		463	500.0	0	92.5	75	125	10/17/2023	
Arsenic		1.0		501	500.0	0.5128	100.1	75	125	10/17/2023	
Boron		25.0	S	558	500.0	187.4	74.2	75	125	10/17/2023	
Cadmium		1.0		44.0	50.00	0	88.1	75	125	10/17/2023	
Chromium		1.5		170	200.0	0	85.1	75	125	10/18/2023	
Lead		1.0		404	500.0	0	80.9	75	125	10/17/2023	
Selenium		1.0		443	500.0	0	88.7	75	125	10/17/2023	
Vanadium		5.0		444	500.0	0	88.9	75	125	10/18/2023	
Zinc		15.0		393	500.0	0	78.7	75	125	10/17/2023	

Batch 213337		SampType: MSD		Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 23091794-049CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		1.0		459	500.0	0	91.9	462.6	0.72	10/18/2023		
Arsenic		1.0		497	500.0	0.5128	99.4	500.9	0.69	10/18/2023		
Boron		25.0	S	558	500.0	187.4	74.2	558.3	0.01	10/18/2023		
Cadmium		1.0		43.5	50.00	0	86.9	44.03	1.28	10/18/2023		
Chromium		1.5		169	200.0	0	84.7	170.1	0.41	10/18/2023		
Lead		1.0		402	500.0	0	80.4	404.3	0.56	10/18/2023		
Selenium		1.0		443	500.0	0	88.5	443.3	0.18	10/18/2023		
Vanadium		5.0		448	500.0	0	89.7	444.4	0.89	10/18/2023		
Zinc		15.0		387	500.0	0	77.4	393.4	1.64	10/18/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213338		SampType: MBLK		Units µg/L						
SampID: MBLK-213338										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/18/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/18/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/18/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/18/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/18/2023
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/18/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/18/2023
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/18/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/18/2023
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	10/18/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	10/18/2023

Batch 213338		SampType: LCS		Units µg/L						
SampID: LCS-213338										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		437	500.0	0	87.5	80	120	10/18/2023
Arsenic		1.0		481	500.0	0	96.1	80	120	10/18/2023
Boron		25.0		436	500.0	0	87.2	80	120	10/18/2023
Cadmium		1.0		45.0	50.00	0	89.9	80	120	10/18/2023
Chromium		1.5		176	200.0	0	88.0	80	120	10/18/2023
Iron		25.0		1800	2000	0	90.0	80	120	10/18/2023
Lead		1.0		473	500.0	0	94.7	80	120	10/18/2023
Manganese		2.0		458	500.0	0	91.7	80	120	10/18/2023
Selenium		1.0		451	500.0	0	90.2	80	120	10/18/2023
Vanadium		5.0		436	500.0	0	87.2	80	120	10/18/2023
Zinc		15.0		439	500.0	0	87.8	80	120	10/18/2023

Batch 213338		SampType: MS		Units µg/L						
SampID: 23091794-102DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		2.0		641	500.0	249.2	78.3	75	125	10/18/2023
Zinc		15.0		409	500.0	6.656	80.5	75	125	10/18/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213338		SampType: MSD		Units µg/L				RPD Limit: 20			Date Analyzed
SampID: 23091794-102DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Manganese		2.0		627	500.0	249.2	75.6	640.8	2.12	10/18/2023	
Zinc		15.0		383	500.0	6.656	75.3	409.0	6.57	10/18/2023	

Batch 213338		SampType: MS		Units µg/L				RPD Limit: 20		Date Analyzed
SampID: 23100935-006BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		481	500.0	1.197	95.9	75	125	10/18/2023
Cadmium		1.0		45.0	50.00	0	90.1	75	125	10/18/2023
Chromium		1.5		177	200.0	0	88.5	75	125	10/19/2023
Manganese		2.0		452	500.0	8.386	88.7	75	125	10/19/2023

Batch 213338		SampType: MSD		Units µg/L				RPD Limit: 20			Date Analyzed
SampID: 23100935-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic		1.0		480	500.0	1.197	95.8	480.9	0.13	10/18/2023	
Cadmium		1.0		45.2	50.00	0	90.3	45.04	0.26	10/18/2023	
Chromium		1.5		174	200.0	0	87.2	176.9	1.42	10/19/2023	
Manganese		2.0		440	500.0	8.386	86.2	451.7	2.72	10/19/2023	

Batch 213380		SampType: MBLK		Units µg/L				RPD Limit: 20		Date Analyzed
SampID: MBLK-213380										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/19/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/19/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/20/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/19/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/19/2023
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/19/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/19/2023
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/19/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/19/2023
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	10/19/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	10/19/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213380		SampType: LCS		Units µg/L						
SampID: LCS-213380										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		452	500.0	0	90.4	80	120	10/19/2023
Arsenic		1.0		472	500.0	0	94.5	80	120	10/19/2023
Boron		25.0		459	500.0	0	91.8	80	120	10/20/2023
Cadmium		1.0		46.0	50.00	0	92.0	80	120	10/19/2023
Chromium		1.5		177	200.0	0	88.7	80	120	10/19/2023
Iron		25.0		1720	2000	0	85.9	80	120	10/19/2023
Lead		1.0		455	500.0	0	91.0	80	120	10/19/2023
Manganese		2.0		482	500.0	0	96.4	80	120	10/19/2023
Selenium		1.0		428	500.0	0	85.6	80	120	10/20/2023
Vanadium		5.0		463	500.0	0	92.7	80	120	10/19/2023
Zinc		15.0		422	500.0	0	84.5	80	120	10/19/2023

Batch 213380		SampType: MS		Units µg/L						
SampID: 23091794-027CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		471	500.0	0.6336	94.1	75	125	10/20/2023
Boron		25.0		664	500.0	220.4	88.8	75	125	10/20/2023
Cadmium		1.0		43.7	50.00	0	87.4	75	125	10/20/2023
Chromium		1.5		186	200.0	0	92.9	75	125	10/20/2023
Iron		25.0		1990	2000	123.1	93.2	75	125	10/20/2023
Lead		1.0		438	500.0	0	87.6	75	125	10/20/2023
Manganese		2.0		927	500.0	502.9	84.8	75	125	10/23/2023
Selenium		1.0		416	500.0	0	83.2	75	125	10/20/2023
Zinc		15.0		413	500.0	0	82.6	75	125	10/20/2023



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213380		SampType: MSD		Units µg/L				RPD Limit: 20			Date Analyzed
SampID: 23091794-027CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic		1.0		503	500.0	0.6336	100.5	471.0	6.61	10/20/2023	
Boron		25.0		694	500.0	220.4	94.8	664.4	4.39	10/20/2023	
Cadmium		1.0		46.3	50.00	0	92.7	43.70	5.86	10/20/2023	
Chromium		1.5		190	200.0	0	94.8	185.8	2.01	10/20/2023	
Iron		25.0		2030	2000	123.1	95.5	1987	2.27	10/20/2023	
Lead		1.0		457	500.0	0	91.4	437.9	4.23	10/20/2023	
Manganese		2.0		986	500.0	502.9	96.7	927.1	6.20	10/23/2023	
Selenium		1.0		447	500.0	0	89.4	415.9	7.18	10/20/2023	
Zinc		15.0		435	500.0	0	87.0	412.9	5.20	10/20/2023	

Batch 213380		SampType: MS		Units µg/L						Date Analyzed
SampID: 23091794-043CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		488	500.0	0	97.5	75	125	10/19/2023
Boron		25.0		596	500.0	164.9	86.1	75	125	10/20/2023
Cadmium		1.0		41.3	50.00	0	82.7	75	125	10/19/2023
Chromium		1.5		162	200.0	0	80.8	75	125	10/19/2023
Iron		25.0		1800	2000	52.16	87.3	75	125	10/19/2023
Lead		1.0		453	500.0	0	90.7	75	125	10/19/2023
Manganese		2.0		798	500.0	314.0	96.9	75	125	10/19/2023
Selenium		1.0		439	500.0	0	87.7	75	125	10/20/2023
Zinc		15.0		382	500.0	0	76.4	75	125	10/19/2023

Batch 213380		SampType: MSD		Units µg/L				RPD Limit: 20			Date Analyzed
SampID: 23091794-043CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic		1.0		489	500.0	0	97.9	487.7	0.37	10/19/2023	
Boron		25.0		589	500.0	164.9	84.8	595.6	1.14	10/20/2023	
Cadmium		1.0		42.0	50.00	0	83.9	41.34	1.48	10/19/2023	
Chromium		1.5		164	200.0	0	81.8	161.7	1.16	10/19/2023	
Iron		25.0		1780	2000	52.16	86.3	1797	1.11	10/19/2023	
Lead		1.0		454	500.0	0	90.8	453.3	0.16	10/19/2023	
Manganese		2.0		795	500.0	314.0	96.1	798.4	0.49	10/19/2023	
Selenium		1.0		423	500.0	0	84.5	438.5	3.69	10/20/2023	
Zinc		15.0		382	500.0	0	76.5	381.9	0.12	10/19/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213410		SampType: MBLK		Units µg/L						
SampID: MBLK-213410										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/20/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/19/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/20/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/19/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/19/2023
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/19/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/19/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/19/2023
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/19/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/19/2023
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	10/19/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	10/19/2023

Batch 213410		SampType: LCS		Units µg/L						
SampID: LCS-213410										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		454	500.0	0	90.8	80	120	10/20/2023
Arsenic		1.0		485	500.0	0	97.0	80	120	10/19/2023
Boron		25.0		474	500.0	0	94.8	80	120	10/20/2023
Cadmium		1.0		45.6	50.00	0	91.3	80	120	10/19/2023
Chromium		1.5		186	200.0	0	93.0	80	120	10/19/2023
Iron		25.0		1920	2000	0	95.8	80	120	10/19/2023
Lead		1.0		486	500.0	0	97.1	80	120	10/19/2023
Lead		1.0		468	500.0	0	93.7	80	120	10/19/2023
Manganese		2.0		486	500.0	0	97.3	80	120	10/19/2023
Selenium		1.0		426	500.0	0	85.3	80	120	10/19/2023
Vanadium		5.0		481	500.0	0	96.2	80	120	10/19/2023
Zinc		15.0		435	500.0	0	87.1	80	120	10/19/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213410		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-100DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		450	500.0	0	89.9	75	125	10/20/2023	
Arsenic		1.0		450	500.0	0	90.0	75	125	10/19/2023	
Boron		25.0		466	500.0	0	93.1	75	125	10/20/2023	
Cadmium		1.0		43.6	50.00	0	87.3	75	125	10/19/2023	
Chromium		1.5		172	200.0	0	85.8	75	125	10/19/2023	
Iron		25.0		1870	2000	0	93.3	75	125	10/20/2023	
Lead		1.0		426	500.0	0	85.2	75	125	10/19/2023	
Manganese		2.0		460	500.0	0	92.0	75	125	10/20/2023	
Selenium		1.0		386	500.0	0	77.2	75	125	10/19/2023	
Vanadium		5.0		447	500.0	0	89.5	75	125	10/19/2023	
Zinc		15.0		400	500.0	0	80.0	75	125	10/19/2023	

Batch 213410		SampType: MSD		Units µg/L							RPD Limit: 20
SampID: 23091794-100DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Antimony		1.0		441	500.0	0	88.2	449.6	1.87	10/20/2023	
Arsenic		1.0		469	500.0	0	93.8	449.9	4.16	10/19/2023	
Boron		25.0		469	500.0	0	93.9	465.5	0.82	10/20/2023	
Cadmium		1.0		44.0	50.00	0	88.0	43.65	0.85	10/19/2023	
Chromium		1.5		180	200.0	0	90.2	171.7	4.99	10/19/2023	
Iron		25.0		1840	2000	0	92.0	1867	1.48	10/20/2023	
Lead		1.0		431	500.0	0	86.2	426.1	1.12	10/19/2023	
Manganese		2.0		460	500.0	0	92.0	460.0	0.05	10/20/2023	
Selenium		1.0		391	500.0	0	78.1	385.9	1.21	10/19/2023	
Vanadium		5.0		463	500.0	0	92.6	447.3	3.46	10/19/2023	
Zinc		15.0		425	500.0	0	85.0	400.2	5.99	10/19/2023	



Quality Control Results

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Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213214 SampType: MBLK Units µg/L
SampID: MBLK-213214

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/13/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/13/2023
Barium		1.0		< 1.0	0.7000	0	0	-100	100	10/13/2023
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	10/16/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/13/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/13/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/13/2023
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	10/13/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/13/2023
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	10/13/2023
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	10/13/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/13/2023
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	10/13/2023

Batch 213214 SampType: LCS Units µg/L
SampID: LCS-213214

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		501	500.0	0	100.2	80	120	10/13/2023
Arsenic		1.0		514	500.0	0	102.7	80	120	10/13/2023
Barium		1.0		2250	2000	0	112.4	80	120	10/13/2023
Beryllium		1.0		44.4	50.00	0	88.9	80	120	10/16/2023
Boron		25.0		447	500.0	0	89.4	80	120	10/16/2023
Cadmium		1.0		46.3	50.00	0	92.6	80	120	10/13/2023
Chromium		1.5		193	200.0	0	96.7	80	120	10/13/2023
Cobalt		1.0		496	500.0	0	99.1	80	120	10/18/2023
Lead		1.0		493	500.0	0	98.6	80	120	10/13/2023
Lithium	*	3.0		456	500.0	0	91.3	80	120	10/16/2023
Molybdenum		1.5		483	500.0	0	96.7	80	120	10/13/2023
Selenium		1.0		474	500.0	0	94.7	80	120	10/13/2023
Thallium		2.0		235	250.0	0	94.1	80	120	10/16/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213214		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-095BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		447	500.0	0.6869	89.2	75	125	10/16/2023	
Arsenic		1.0		560	500.0	67.41	98.4	75	125	10/13/2023	
Barium		1.0		1830	2000	65.16	88.0	75	125	10/13/2023	
Beryllium		1.0		46.5	50.00	0.6711	91.6	75	125	10/16/2023	
Boron		25.0	S	13500	500.0	12170	273.5	75	125	10/16/2023	
Cadmium		1.0		39.5	50.00	0	78.9	75	125	10/13/2023	
Chromium		1.5		188	200.0	10.14	88.8	75	125	10/13/2023	
Cobalt		2.0		450	500.0	1.584	89.7	75	125	10/18/2023	
Lead		2.0		413	500.0	5.555	81.5	75	125	10/18/2023	
Lithium	*	3.0		569	500.0	58.04	102.2	75	125	10/16/2023	
Molybdenum		1.5		675	500.0	225.8	89.8	75	125	10/13/2023	
Selenium		2.0		446	500.0	44.81	80.3	75	125	10/18/2023	
Thallium		4.0		209	250.0	0	83.7	75	125	10/18/2023	

Batch 213214		SampType: MSD		Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 23091794-095BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		1.0		452	500.0	0.6869	90.2	446.8	1.08	10/16/2023		
Arsenic		1.0		563	500.0	67.41	99.2	559.6	0.67	10/13/2023		
Barium		1.0		1870	2000	65.16	90.1	1825	2.31	10/13/2023		
Beryllium		1.0		45.7	50.00	0.6711	90.1	46.46	1.57	10/16/2023		
Boron		25.0	S	13300	500.0	12170	217.7	13540	2.08	10/16/2023		
Cadmium		1.0		39.7	50.00	0	79.4	39.47	0.60	10/13/2023		
Chromium		1.5		186	200.0	10.14	87.7	187.7	1.15	10/13/2023		
Cobalt		2.0		441	500.0	1.584	87.8	450.2	2.18	10/18/2023		
Lead		2.0		406	500.0	5.555	80.2	412.8	1.55	10/18/2023		
Lithium	*	3.0		555	500.0	58.04	99.3	569.2	2.60	10/16/2023		
Molybdenum		1.5		725	500.0	225.8	99.9	674.7	7.25	10/13/2023		
Selenium		2.0		440	500.0	44.81	79.0	446.5	1.47	10/18/2023		
Thallium		4.0		207	250.0	0	82.8	209.3	1.05	10/18/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213222 SampType: MBLK Units µg/L

SampID: MBLK-213222

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/13/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/13/2023
Barium		1.0		< 1.0	0.7000	0	0	-100	100	10/13/2023
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	10/13/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/13/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/13/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/13/2023
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	10/13/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/13/2023
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	10/13/2023
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	10/13/2023
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/13/2023
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	10/13/2023

Batch 213222 SampType: LCS Units µg/L

SampID: LCS-213222

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		486	500.0	0	97.2	80	120	10/13/2023
Arsenic		1.0		487	500.0	0	97.5	80	120	10/13/2023
Barium		1.0		2290	2000	0	114.4	80	120	10/13/2023
Beryllium		1.0		48.9	50.00	0	97.9	80	120	10/13/2023
Boron		25.0		506	500.0	0	101.2	80	120	10/13/2023
Cadmium		1.0		45.4	50.00	0	90.8	80	120	10/13/2023
Chromium		1.5		190	200.0	0	95.1	80	120	10/13/2023
Lead		1.0		485	500.0	0	96.9	80	120	10/13/2023
Molybdenum		1.5		467	500.0	0	93.4	80	120	10/13/2023
Selenium		1.0		457	500.0	0	91.4	80	120	10/13/2023
Thallium		2.0		248	250.0	0	99.0	80	120	10/13/2023



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213222		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-098BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		433	500.0	0	86.6	75	125	10/13/2023	
Arsenic		1.0		498	500.0	40.52	91.5	75	125	10/13/2023	
Barium		1.0		1950	2000	113.6	91.9	75	125	10/13/2023	
Beryllium		1.0		41.3	50.00	0	82.7	75	125	10/13/2023	
Boron		50.0		3610	500.0	3070	107.3	75	125	10/20/2023	
Cadmium		2.0		39.0	50.00	0	78.0	75	125	10/18/2023	
Chromium		1.5		182	200.0	12.83	84.4	75	125	10/13/2023	
Cobalt		1.0		462	500.0	0.5650	92.3	75	125	10/13/2023	
Lithium	*	6.0		515	500.0	26.01	97.9	75	125	10/20/2023	
Molybdenum		3.0		1110	500.0	629.2	95.8	75	125	10/18/2023	
Selenium		2.0		486	500.0	103.8	76.4	75	125	10/18/2023	
Thallium		2.0		211	250.0	0	84.5	75	125	10/13/2023	

Batch 213222		SampType: MSD		Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 23091794-098BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Antimony		1.0		422	500.0	0	84.4	433.2	2.56	10/13/2023		
Arsenic		1.0		513	500.0	40.52	94.5	497.9	2.96	10/13/2023		
Barium		1.0		2000	2000	113.6	94.2	1952	2.32	10/13/2023		
Beryllium		1.0		40.2	50.00	0	80.4	41.34	2.79	10/13/2023		
Boron		50.0		3550	500.0	3070	96.4	3607	1.51	10/20/2023		
Cadmium		2.0		40.8	50.00	0	81.6	39.01	4.44	10/18/2023		
Chromium		1.5		181	200.0	12.83	83.9	181.7	0.60	10/13/2023		
Cobalt		1.0		468	500.0	0.5650	93.5	462.0	1.34	10/13/2023		
Lithium	*	6.0		505	500.0	26.01	95.8	515.3	2.06	10/20/2023		
Molybdenum		3.0		1110	500.0	629.2	96.7	1108	0.40	10/18/2023		
Selenium		2.0		486	500.0	103.8	76.5	485.8	0.10	10/18/2023		
Thallium		2.0		206	250.0	0	82.6	211.4	2.37	10/13/2023		



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213274		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-213274											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	10/16/2023	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	10/16/2023	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	10/16/2023	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	10/16/2023	
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/16/2023	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	10/16/2023	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	10/16/2023	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	10/16/2023	
Iron		25.0		< 25.0	11.50	0	0	-100	100	10/18/2023	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/16/2023	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	10/16/2023	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	10/18/2023	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	10/16/2023	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	10/16/2023	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	10/16/2023	

Batch 213274		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-213274											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		502	500.0	0	100.3	80	120	10/16/2023	
Arsenic		1.0		523	500.0	0	104.5	80	120	10/16/2023	
Barium		1.0		2260	2000	0	113.0	80	120	10/16/2023	
Beryllium		1.0		48.7	50.00	0	97.3	80	120	10/16/2023	
Boron		25.0		503	500.0	0	100.7	80	120	10/16/2023	
Cadmium		1.0		48.2	50.00	0	96.4	80	120	10/16/2023	
Chromium		1.5		181	200.0	0	90.5	80	120	10/16/2023	
Cobalt		1.0		483	500.0	0	96.5	80	120	10/16/2023	
Iron		25.0		2000	2000	0	99.9	80	120	10/18/2023	
Lead		1.0		492	500.0	0	98.3	80	120	10/16/2023	
Lithium	*	3.0		521	500.0	0	104.2	80	120	10/16/2023	
Manganese		2.0		488	500.0	0	97.7	80	120	10/18/2023	
Molybdenum		1.5		481	500.0	0	96.3	80	120	10/16/2023	
Selenium		1.0		497	500.0	0	99.5	80	120	10/16/2023	
Thallium		2.0		235	250.0	0	94.1	80	120	10/16/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

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

Batch 213274		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-047BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		583	500.0	113.0	93.9	75	125	10/16/2023	

Batch 213274		SampType: MSD		Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 23091794-047BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Boron		25.0		588	500.0	113.0	94.9	582.7	0.84	10/16/2023		

Batch 213566		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-213566											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		< 25.0	9.250	0	0	-100	100	10/25/2023	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	10/24/2023	

Batch 213566		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-213566											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		476	500.0	0	95.2	80	120	10/25/2023	
Lead		1.0		496	500.0	0	99.2	80	120	10/24/2023	

Batch 213566		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-098BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		1.0	S	201	500.0	0	40.2	75	125	10/24/2023	

Batch 213566		SampType: MSD		Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 23091794-098BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Lead		1.0	S	198	500.0	0	39.5	201.2	1.74	10/24/2023		

SW-846 7470A (DISSOLVED)

Batch 213442		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-041CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	1.98	5.000	0	39.5	75	125	10/19/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 7470A (DISSOLVED)

Batch 213442		SampType: MSD		Units µg/L				RPD Limit: 15			
SampID: 23091794-041CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20	S	1.87	5.000	0	37.4	1.976	5.50	10/19/2023	

Batch 213443		SampType: MS		Units µg/L							
SampID: 23091794-049CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.86	5.000	0	97.1	75	125	10/19/2023	

Batch 213443		SampType: MSD		Units µg/L				RPD Limit: 15			
SampID: 23091794-049CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.80	5.000	0	96.0	4.857	1.20	10/19/2023	

SW-846 7470A (TOTAL)

Batch 213366		SampType: MBLK		Units µg/L							
SampID: MBLK-213366											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/18/2023	

Batch 213366		SampType: LCS		Units µg/L							
SampID: LCS-213366											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.97	5.000	0	99.4	85	115	10/18/2023	

Batch 213366		SampType: MS		Units µg/L							
SampID: 23091794-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.04	5.000	0	100.9	75	125	10/18/2023	

Batch 213366		SampType: MSD		Units µg/L				RPD Limit: 15			
SampID: 23091794-008BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.93	5.000	0	98.6	5.043	2.25	10/18/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 7470A (TOTAL)

Batch 213442		SampType: MBLK		Units µg/L							
SampID: MBLK-213442											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/19/2023	

Batch 213442		SampType: LCS		Units µg/L							
SampID: LCS-213442											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.51	5.000	0	90.2	85	115	10/19/2023	

Batch 213442		SampType: MS		Units µg/L							
SampID: 23091794-015BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.78	5.000	0	95.6	75	125	10/19/2023	

Batch 213442		SampType: MSD		Units µg/L							
SampID: 23091794-015BMDS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.83	5.000	0	96.5	4.781	0.94	10/19/2023	

Batch 213443		SampType: MBLK		Units µg/L							
SampID: MBLK-213443											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/19/2023	

Batch 213443		SampType: LCS		Units µg/L							
SampID: LCS-213443											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.03	5.000	0	100.6	85	115	10/19/2023	

Batch 213443		SampType: MS		Units µg/L							
SampID: 23091794-091CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.72	5.000	0	94.4	75	125	10/19/2023	

Batch 213443		SampType: MSD		Units µg/L							
SampID: 23091794-091CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.77	5.000	0	95.4	4.720	1.06	10/19/2023	



Quality Control Results

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

SW-846 7470A (TOTAL)

Batch 213444		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-213444											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/19/2023	

Batch 213444		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-213444											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.95	5.000	0	99.1	85	115	10/19/2023	

Batch 213626		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-213626											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	10/24/2023	

Batch 213626		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-213626											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.64	5.000	0	92.7	85	115	10/24/2023	

Batch 213626		SampType: MS		Units µg/L							Date Analyzed
SampID: 23091794-095BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	7.98	5.000	6.553	28.6	75	125	10/24/2023	

Batch 213626		SampType: MSD		Units µg/L							RPD Limit: 15	Date Analyzed
SampID: 23091794-095BMDS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.20	S	7.79	5.000	6.553	24.7	7.982	2.47	10/24/2023		



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091794

Client Project: NEW-23Q4

Report Date: 17-Nov-23

Carrier: Employee

Received By: TWM

Completed by:

Reviewed by:

On:

12-Oct-23

Lindsey Maddox

On:

13-Oct-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 3.2
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. - TWM/lmaddox - 10/12/2023 9:56:08 AM

Additional nitric acid (92447) was needed in APW04, APW05, APW14, XPW01, and APW02 Duplicate upon arrival at the laboratory. - TWM/lmaddox - 10/12/2023 9:56:28 AM

Additional Nitric Acid (93387) was needed in PW12, G06D, G125, G128, G202, G230, L1R and G06D Dup upon arrival at the laboratory. Additional Sulfuric Acid (90128) was needed in L1R and R219 upon arrival at the laboratory. L1R was filtered and preserved with Nitric Acid (93387) and Sulfuric Acid (90128) for the dissolved parameters upon arrival at the laboratory. pH strip #79929/90719. - amberdilallo - 10/13/2023 9:58:00 AM

Additional Sulfuric Acid (90128) was needed in S101 upon arrival at the laboratory. S101 and S102 were filtered and preserved with Nitric Acid (93387) and Sulfuric Acid (90128) for the dissolved parameters upon arrival at the laboratory. pH strip #79929/90719. - amberdilallo - 10/13/2023 9:59:46 AM

Samples collected on 10/11/23 were delivered to the laboratory on 10/12/23 at 1230 (on ice - 2.2C - LTG1). AMD/ERH 10/13/23

Samples collected on 10/12/23 were delivered to the laboratory on 10/12/23 at 1702 (on ice - 5.0C - LTG5). AMD/ERH 10/13/23

23091794

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client information:		Section B Required Project information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER	
Address: 6725 N 500th St Newton, IL 62448		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com Sam Davies - samantha.davies@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		Site Location	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		IL	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		STATE:	
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No./ Lab I.D.
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503		
1	A207					0															
2	A213					5	2	1	1	1											
3	A214					5	2	1	1	1											
4	A215					5	2	1	1	1											
5	APW02		10-10-23	1156		4	2	2	2	TE EM											
6	APW03			1400		4	2	2	2	ANALYSIS											
7	APW04 *		↓	1523		4	2	2													
8	APW05 *		10/10/23	1118		2	1														
9	APW05S		10/10/23	1042		2	1														
10	APW06		10/10/23	1007		2	1														
11	APW07		10-10-23	1106		2	1														
12	APW08			1215		2	1														
13	APW09			1345		2	1														
14	APW10			1505		2	1														
15	APW11		10/10/23	1502		2	1														
16	APW12					2	1														

* ADDED HNO3 TO TOTAL (92447) Tm CONT.

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
NEW-23Q4 Rev 0	<i>[Signature]</i>	10/11/23	1325	<i>[Signature]</i>	10/11/23	1325	5	4	2		
	<i>[Signature]</i>	10/11/23	1500	<i>[Signature]</i>	10/11/23	1500	3.2				

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>Terry Hanratty</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY):	10/10/23		

23091794

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY		
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER		
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER		
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		Site Location		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:				
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	NEW-257-501	NEW-257-502		NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501						
1	APW13		10-10-23	1444		2	1																	23091794-017			
2	APW14 *			1421		2	1																	028			
3	APW15			1316		2	1																	019			
4	APW16			1239		2	1																	020			
5	APW17			1126		2	1																	021			
6	APW18			1045		2	1																	022			
7	G06D					2	1																	023			
8	G104					5	2	1	1	1														024			
9	G104D					0																		025			
10	G104S					0																		026			
11	G105					5	2	1	1	1														027			
12	G106					5	2	1	1	1														028			
13	G109					0																		029			
14	G111					0																		030			
15	G112					0																		031			
16	G113					0																		032			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>[Signature]</i>	10/11/23	1325	<i>[Signature]</i>	10/11/23	1325	
	<i>[Signature]</i>	10/11/23	1500	<i>[Signature]</i>	10/11/23	1500	

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>[Signature]</i>	DATE Signed (MM/DD/YY): <i>10/10/23</i>				
SIGNATURE of SAMPLER: <i>[Signature]</i>					

23091794

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:			
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty			
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		Site Location: IL	
						STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No./ Lab I.D.		
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503			NEW-845-501	NEW-NPDES-501
1	M26-7					0															23091794-081		
2	MW31S					0															082		
3	MW33S					0															083		
4	MW36S					0															084		
5	MW36S					0															085		
6	MW48S					0															086		
7	R216					0															087		
8	R217D					5	2	1	1	1											088		
9	R219					5	2	1	1	1											089		
10	S101					7	2	2	2	1											090		
11	S102					7	2	2	2	1											091		
12	SG02					0															092		
13	T101					7	2	2	2	1											093		
14	T102					7	2	2	2	1											094		
15	XPW01 *		10-10-23	1018		2	1	1	1												095		
16	XPW02		10-10-23	0926		2	1	1	1												096		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Jessie Carroll</i>	10/11/23	1325	<i>Paul White</i>	10/11/23	1325	
	<i>Paul White</i>	10/11/23	1500	<i>Jessie Carroll</i>	10/12/23	1500	

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>Tracey Carroll</i>	DATE Signed (MM/DD/YY): <i>10/10/23</i>				
SIGNATURE of SAMPLER: <i>Jessie Carroll</i>					

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice information:	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location				STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE 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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol					Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501
1		A207					0												23091794-201							
2		A213			10-11-23	1708	5	2	1	1	1								002							
3		A214					5	2	1	1	1								003							
4		A215					5	2	1	1	1								004							
5		APW02					4	2	2										005							
6		APW03					4	2	2										006							
7		APW04					4	2	2										007							
8		APW05					2	1	1										008							
9		APW05S					2	1	1										009							
10		APW06					2	1	1										010							
11		APW07					2	1	1										011							
12		APW08					2	1	1										012							
13		APW09					2	1	1										013							
14		APW10					2	1	1										014							
15		APW11					2	1	1										015							
16		APW12			10/11/23	931	2	1	1										016							
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS															
NEW-23Q4 Rev 0			May Carroll		10/12/23	1030	May Carroll		10/12	1030	22	Y	N	Y												
			May Carroll		10/12/23	1230	May Carroll		10/12/23	1230																

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: Troy Carroll	SIGNATURE of SAMPLER: Troy Carroll				
DATE Signed (MM/DD/YY): 10/11/23					

Added HNO3(93387) to APW12, G060, G125, G128, G202, G230, LR, & G060 DW. Added HNO3(93387) to LR & R219 pH 7.9929/9079

LTCU

13091144

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		Site Location	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other										
1	APW13					2	1																		23091144-017
2	APW14					2	1																		028
3	APW15					2	1																		019
4	APW16					2	1																		020
5	APW17					2	1																		021
6	APW18					2	1																		022
7	G06D		10-11-23	1342		2	1																		023
8	G104		10-11-23	1540		5	2	1	1	1															024
9	G104D					0																			025
10	G104S					0																			026
11	G105					5	2	1	1	1															027
12	G106		10-11-23	1415		5	2	1	1	1															028
13	G109					0																			029
14	G111					0																			030
15	G112					0																			031
16	G113					0																			032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Juan Carlos</i>	10/12/23	1030	<i>[Signature]</i>	10/12	10/30	
	<i>[Signature]</i>	10/12/23	1236	<i>Sam Davies</i>	10/12/23	1250	

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>Juan Carlos</i>				
SIGNATURE of SAMPLER:	<i>Juan Carlos</i>	DATE Signed (MM/DD/YY):	10/11/23		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		Site Location	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (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 WIFE WF 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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501								
1	G114						0																			23091794-033					
2	G115						0																			034					
3	G116						5	2	1	1	1															035					
4	G117						0																			036					
5	G118						0																			037					
6	G119						0																			038					
7	G120						0																			039					
8	G125					10-11-23	10-18	5	2	1	1	1														040					
9	G128					10-11-23	1445	5	2	1	1	1														041					
10	G130							5	2	1	1	1														042					
11	G133							5	2	1	1	1														043					
12	G136							5	2	1	1	1														044					
13	G139							5	2	1	1	1														045					
14	G141							5	2	1	1	1														046					
15	G202					10/11/23	1340	2	1	1	1															047					
16	G208							0																			048				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Tracy Carroll</i>	10/12	1030	<i>[Signature]</i>	10/12	1030	
	<i>[Signature]</i>	10/12	1230	<i>Smice Carroll</i>	10/24/23	1250	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Susceptible (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Tracy Carroll</i>	DATE Signed (MM/DD/YY): <i>10/11/23</i>				
SIGNATURE of SAMPLER: <i>Tracy Carroll</i>					

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A
Required Client Information:

Section B
Required Project Information:

Section C
Invoice Information:

Page: 7 of 7

Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location:	IL	
STATE:		

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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	DATE TIME													
1	XPW03				2	1	1									23091794-097
2	XPW04				2	1	1									098
3	XSG01				0											099
4	Field Blank				2	3	2	1								100
5	A213 Duplicate		10-11-23	1208	5	2	1	1	1							101
6	APW02 Duplicate				4	2	2									102
7	G06D Duplicate		10-11-23	1342	2	1	1									103
8	G104 Duplicate		10/11/23	1540	5	2	1	1	1							104

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Tracy Carroll</i>	10/12	1030	<i>[Signature]</i>	10/12	1030	
	<i>[Signature]</i>	10/12	1230	<i>Tracy Carroll</i>	10/12	1230	

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>Tracy Carroll</i>				
SIGNATURE of SAMPLER:	<i>Tracy Carroll</i>	DATE Signed (MM/DD/YY):	10/11/23		

G104 Duplicate collection date/time per G104 markings; EAH 10/19/23

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location				STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501		
								DRINKING WATER DW	WATER WT	WASTE WATER WW	PRODUCT P	SOIL/SOLID SL	OIL OL	WIPE WP	AIR AR		OTHER OT	TISSUE TS						
1	A207						0																23091794-001	
2	A213						5	2	1	1	1	1												002
3	A214			10-12-23	1058		5	2	1	1	1	1												003
4	A215			10-12-23	1020		5	2	1	1	1	1												004
5	APW02						4	2	2	2	2	2												005
6	APW03						4	2	2	2	2	2												006
7	APW04						4	2	2	2	2	2												007
8	APW05						2	1	1	1	1	1												008
9	APW05S						2	1	1	1	1	1												009
10	APW06						2	1	1	1	1	1												010
11	APW07						2	1	1	1	1	1												011
12	APW08						2	1	1	1	1	1												012
13	APW09						2	1	1	1	1	1												013
14	APW10						2	1	1	1	1	1												014
15	APW11						2	1	1	1	1	1												015
16	APW12						2	1	1	1	1	1												016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
NEW-23Q4 Rev 0	<i>Tracy Carroll</i>	10/12/23	1702	<i>Tracy Carroll</i>	10/12/23	1702	15.0	Y	N	Y	

Filter In Lab TAC
TE 10/12/23
Added HNO₃ (93387)
H2SO₄ (9028) to S101.
PHV 79929/90719 Gm 10/13/23

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Tracy Carroll</i>				
SIGNATURE of SAMPLER:	<i>Tracy Carroll</i>	DATE Signed (MM/DD/YY):	10/12/23		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY		
Company: <u>Vistra Corp-Newton</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Terry Hanratty</u>		NPDES GROUND WATER DRINKING WATER		
Address: <u>6725 N 500th St</u>		Copy To: <u>Terry Hanratty - Terry.Hanratty@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>		UST RCRA OTHER		
<u>Newton, IL 62448</u>		<u>Sam Davies - samantha.davies@vistracorp.com</u>		Address: <u>see Section A</u>		Site Location		
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Quote Reference:		STATE: <u>IL</u>		
Phone: (217) 753-8911; Fax:		Project Name:		Project Manager:				
Requested Due Date/TAT: <u>10 day</u>		Project Number: <u>2285</u>		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501			NEW-NPDES-501
1	APW13					2																	23091794-017
2	APW14					2																	018
3	APW15					2																	019
4	APW16					2																	020
5	APW17					2																	021
6	APW18					2																	022
7	G06D					2																	023
8	G104					5	2	1	1	1	1												024
9	G104D					0																	025
10	G104S					0																	026
11	G105		10/12/23	1121		5	2	1	1	1	1												027
12	G106					5	2	1	1	1	1												028
13	G109					0																	029
14	G111					0																	030
15	G112					0																	031
16	G113					0																	032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>[Signature]</i>	10/12/23	1702	<i>[Signature]</i>	10/12/23	1702	

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>Terry Hanratty</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY):	10/12/23		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project information:		Section C Invoice information:		REGULATORY AGENCY		
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER		
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER		
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		Site Location		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:				
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME		Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test							
																NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501			NEW-NPDES-501
1		G114					0																23091794-033
2		G115					0																034
3		G116			10/12/23	1434	5	2	1	1	1												035
4		G117					0																036
5		G118					0																037
6		G119					0																038
7		G120					0																039
8		G125					5	2	1	1	1												040
9		G128					5	2	1	1	1												041
10		G130			10-12-23	1219	5	2	1	1	1												042
11		G133			10-12-23	1141	5	2	1	1	1												043
12		G136			10/12/23	1301	5	2	1	1	1												044
13		G139			10/12/23	1222	5	2	1	1	1												045
14		G141			10-12-23	0917	5	2	1	1	1												046
15		G202					2	1	1	1													047
16		G208					0																048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>[Signature]</i>	10/12/23	1702	<i>[Signature]</i>	10/12/23	1702	

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>[Signature]</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY):	10/12/23		

23091794

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location		IL			
STATE:					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No./ Lab I.D.	
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501				
1	G217S					5	2	1	1																23091794-049
2	G218					0																			050
3	G220					0																			051
4	G221					5	2	1	1																052
5	G222					0																			053
6	G223					0																			054
7	G224					0																			055
8	G225		10-12-23	0942		5	2	1	1																056
9	G230					6	2	1	2																057
10	G231					5	2	1	1																058
11	G232					5	2	1	1																059
12	G233		10/12/23	953		5	2	1	1																260
13	G234		10/12/23	1027		5	2	1	1																061
14	L1R					7	2	2	2																062
15	L201					0																			063
16	L202					0																			064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Tracy Carrol</i>	10/12/23	1702	<i>Smiley Diabalo</i>	10/11/23	1702	

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>Tracy Carrol</i>				
SIGNATURE of SAMPLER:	<i>Tracy Carrol</i>	DATE Signed (MM/DD/YY):	10/12/23		

23091794

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY		
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER		
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER		
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		Site Location		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:				
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501			NEW-NPDES-501
1		M26-7					0																		23091794-081
2		MW31S					0																		082
3		MW33S					0																		083
4		MW35S					0																		084
5		MW36S					0																		085
6		MW48S					0																		086
7		R216					0																		087
8		R217D					5	2	1	1	1														088
9		R219					5	2	1	1	1														089
10		S101			10/12/23	1353	7	2	2	2	1														090
11		S102			10/12/23	1322	7	2	2	2	1														091
12		SG02					0																		092
13		T101 went dry			10-12-23	OKY	7	2	2	2	1														093
14		T102 went dry			10-11-23	DRY	7	2	2	2	1														094
15		XPW01					2	1	1	1															095
16		XPW02					2	1	1	1															096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Jung Carroll</i>	10/12/23	1702	<i>Amber Daniels</i>	10/11/23	1702	

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>Jung Carroll</i>		DATE Signed (MM/DD/YY): <i>10/12/23</i>					
SIGNATURE of SAMPLER: <i>Jung Carroll</i>							

23091794

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY		
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER		
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER		
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		Site Location		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Residual Chlorine (Y/N)		
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		Project No./ Lab I.D.		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.						
						DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other					NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501
1	XPW03				2	1	1											23091794-297							
2	XPW04				2	1	1											298							
3	XSG01				0													299							
4	Field Blank		10-12-23	1345	2	2	2	1										100							
5	A213 Duplicate				5	2	1	1										101							
6	APW02 Duplicate				4	2	2											102							
7	G06D Duplicate				2	1	1											103							
8	G104 Duplicate				5	2	1	1										104							
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Tracy Carroll</i>	10/12/23	1702	<i>Tracy Carroll</i>	10/12/23	1701	

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>Tracy Carroll</i>		SIGNATURE of SAMPLER: <i>Tracy Carroll</i>					
		DATE Signed (MM/DD/YY): <i>10/12/23</i>					

November 16, 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-23Q4

WorkOrder: 23091795

Dear Eric Bauer:

TEKLAB, INC received 24 samples on 10/12/2023 5:02:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Ramboll

Work Order: 23091795

Client Project: NEW-23Q4

Report Date: 16-Nov-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: 23091795

Client Project: NEW-23Q4

Report Date: 16-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: 23091795

Client Project: NEW-23Q4

Report Date: 16-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

Work Order: 23091795

Client Project: NEW-23Q4

Report Date: 16-Nov-23

Cooler Receipt Temp: 3.2 °C

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

Analyses were completed by Eurofins St. Louis. See attached report for results and QC.

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091795

Client Project: NEW-23Q4

Report Date: 16-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 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-001
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW02
Collection Date: 10/10/2023 11:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:17	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-002
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW03
Collection Date: 10/10/2023 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:17	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-003
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW04
Collection Date: 10/10/2023 15:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:18	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-004
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW05
Collection Date: 10/10/2023 11:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:18	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-005
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW05S
Collection Date: 10/10/2023 10:42

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:18	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-006
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW06
Collection Date: 10/10/2023 10:07

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:19	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-007
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW07
Collection Date: 10/10/2023 11:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:19	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-008
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW08
Collection Date: 10/10/2023 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:19	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091795

Client Project: NEW-23Q4

Report Date: 16-Nov-23

Lab ID: 23091795-009

Client Sample ID: APW09

Matrix: GROUNDWATER

Collection Date: 10/10/2023 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:19	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-010
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW10
Collection Date: 10/10/2023 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:19	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-011
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW11
Collection Date: 10/10/2023 15:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:20	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-012
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW12
Collection Date: 10/11/2023 9:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-013
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW13
Collection Date: 10/10/2023 14:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-014
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW14
Collection Date: 10/10/2023 14:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-015
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW15
Collection Date: 10/10/2023 13:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-016
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW16
Collection Date: 10/10/2023 12:39

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-017
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW17
Collection Date: 10/10/2023 11:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-018
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW18
Collection Date: 10/10/2023 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4

Work Order: 23091795
Report Date: 16-Nov-23

Lab ID: 23091795-019

Client Sample ID: XPW01

Matrix: GROUNDWATER

Collection Date: 10/10/2023 10:18

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-020
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: XPW02
Collection Date: 10/10/2023 9:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:26	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-021
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: XPW03
Collection Date: 10/10/2023 12:23

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:29	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-022
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: XPW04
Collection Date: 10/10/2023 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/09/2023 13:41	R339336



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-023
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: Field Blank
Collection Date: 10/12/2023 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:27	R339336



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll
Client Project: NEW-23Q4
Lab ID: 23091795-024
Matrix: GROUNDWATER

Work Order: 23091795
Report Date: 16-Nov-23
Client Sample ID: APW02 Duplicate
Collection Date: 10/10/2023 11:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		See Attached		1	11/03/2023 15:27	R339336



Sample Summary

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

Client: Ramboll
Client Project: NEW-23Q4

Work Order: 23091795
Report Date: 16-Nov-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23091795-001	APW02	Groundwater	1	10/10/2023 11:56
23091795-002	APW03	Groundwater	1	10/10/2023 14:00
23091795-003	APW04	Groundwater	1	10/10/2023 15:23
23091795-004	APW05	Groundwater	1	10/10/2023 11:18
23091795-005	APW05S	Groundwater	1	10/10/2023 10:42
23091795-006	APW06	Groundwater	1	10/10/2023 10:07
23091795-007	APW07	Groundwater	1	10/10/2023 11:06
23091795-008	APW08	Groundwater	1	10/10/2023 12:15
23091795-009	APW09	Groundwater	1	10/10/2023 13:45
23091795-010	APW10	Groundwater	1	10/10/2023 15:05
23091795-011	APW11	Groundwater	1	10/10/2023 15:02
23091795-012	APW12	Groundwater	1	10/11/2023 9:31
23091795-013	APW13	Groundwater	1	10/10/2023 14:44
23091795-014	APW14	Groundwater	1	10/10/2023 14:21
23091795-015	APW15	Groundwater	1	10/10/2023 13:16
23091795-016	APW16	Groundwater	1	10/10/2023 12:39
23091795-017	APW17	Groundwater	1	10/10/2023 11:26
23091795-018	APW18	Groundwater	1	10/10/2023 10:45
23091795-019	XPW01	Groundwater	1	10/10/2023 10:18
23091795-020	XPW02	Groundwater	1	10/10/2023 9:26
23091795-021	XPW03	Groundwater	1	10/10/2023 12:23
23091795-022	XPW04	Groundwater	1	10/10/2023 13:20
23091795-023	Field Blank	Groundwater	1	10/12/2023 13:45
23091795-024	APW02 Duplicate	Groundwater	1	10/10/2023 11:56



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll

Work Order: 23091795

Client Project: NEW-23Q4

Report Date: 16-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
23091795-001A	APW02	10/10/2023 11:56	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:17
23091795-002A	APW03	10/10/2023 14:00	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:17
23091795-003A	APW04	10/10/2023 15:23	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:18
23091795-004A	APW05	10/10/2023 11:18	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:18
23091795-005A	APW05S	10/10/2023 10:42	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:18
23091795-006A	APW06	10/10/2023 10:07	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:19
23091795-007A	APW07	10/10/2023 11:06	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:19
23091795-008A	APW08	10/10/2023 12:15	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:19
23091795-009A	APW09	10/10/2023 13:45	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:19
23091795-010A	APW10	10/10/2023 15:05	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:19
23091795-011A	APW11	10/10/2023 15:02	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:20
23091795-012A	APW12	10/11/2023 9:31	10/12/2023 12:30		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-013A	APW13	10/10/2023 14:44	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-014A	APW14	10/10/2023 14:21	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-015A	APW15	10/10/2023 13:16	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-016A	APW16	10/10/2023 12:39	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-017A	APW17	10/10/2023 11:26	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-018A	APW18	10/10/2023 10:45	10/11/2023 15:00		



Dates Report

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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

Client: Ramboll

Work Order: 23091795

Client Project: NEW-23Q4

Report Date: 16-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-019A	XPW01	10/10/2023 10:18	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-020A	XPW02	10/10/2023 9:26	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:26
23091795-021A	XPW03	10/10/2023 12:23	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:29
23091795-022A	XPW04	10/10/2023 13:20	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/09/2023 13:41
23091795-023A	Field Blank	10/12/2023 13:45	10/12/2023 17:02		
	See Attached for Subcontracting Analysis				11/03/2023 15:27
23091795-024A	APW02 Duplicate	10/10/2023 11:56	10/11/2023 15:00		
	See Attached for Subcontracting Analysis				11/03/2023 15:27



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501

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

Client: Ramboll

Work Order: 23091795

Client Project: NEW-23Q4

Report Date: 16-Nov-23

Carrier: Tracy Carroll

Received By: AMD

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

13-Oct-23

Amber Dilallo

On:

13-Oct-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

- Shipping container/cooler in good condition? Yes No Not Present Temp °C **3.2**
- Type of thermal preservation? None Ice Blue Ice Dry Ice
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Reported field parameters measured: Field Lab NA
- Container/Temp Blank temperature in compliance? Yes No

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

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

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

Additional Nitric Acid (93387) was needed n APW12 upon arrival at the laboratory. - amberdilallo - 10/13/2023 10:41:36 AM

pH strip #90719. - amberdilallo - 10/13/2023 10:41:54 AM

Samples collected on 10/10/23 were delivered to the laboratory on 10/11/23 at 1500 (on ice - 3.2C - LTG5). EAH 11/16/23

Samples collected on 10/11/23 were delivered to the laboratory on 10/12/23 at 1230 (on ice - 2.2C - LTG1). AMD/ERH 10/13/23

Samples collected on 10/12/23 were delivered to the laboratory on 10/12/23 at 1702 (on ice - 15.0C - LTG5). AMD/ERH 10/13/23

23091795

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Visira Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		REGULATORY AGENCY	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Visira Corp			
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voelker@VisiraCorp.com		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION # OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No / Lab I.D.
					MATRIX TYPE (G=GRAB C=COMP)	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501						
																					DRINKING WATER DW	WATER WT	WASTE WATER WW	PRODUCT P		
1	A207																									
2	A213																									
3	A214																									
4	A215																									
5	APW02		10-10-23 1156	2																						23091795-001
6	APW03		↓ 1400	2																						002
7	APW04		↓ 1523	2																						003
8	APW05		10/10/23 1158	2																						004
9	APW05S		10/10/23 1024042	2																						005
10	APW06		10/10/23 PR 950007	2																						006
11	APW07		10-10-23 1106	2																						007
12	APW08		↓ 1215	2																						008
13	APW09		↓ 1345	2																						009
14	APW10		↓ 1505	2																						010
15	APW11		10/10/23 1508	2																						011
16	APW12			2																						012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
NEW-23Q4 Rev 0	<i>Terry Hanratty</i>	10/11/23	1325	<i>Terry Hanratty</i>	10/11/23	1325	5	Y	N
23091795 only	<i>Terry Hanratty</i>	10/1/23	1500	<i>Terry Hanratty</i>	10/11/23	1600	32		

SAMPLER NAME AND SIGNATURE		Temp °C	Revised on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Terry Hanratty</i>	DATE Signed (MM/DD/YYYY): <i>10/10/23</i>				
SIGNATURE OF SAMPLER: <i>Terry Hanratty</i>					

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location	IL	
STATE:		

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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501			NEW-NPDES-501
						DATE	TIME	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DRINKING WATER DW	WASTE WATER WW	PRODUCT P		SOIL/SOLID SL	OIL OL	WIFE WP	AIR AR	OTHER OT	TISSUE TS			
1	APW13		10-10-23 1444	2	2														23091795-013			
2	APW14		1421	2	2														014			
3	APW15		1316	2	2														015			
4	APW16		1239	2	2														016			
5	APW17		1126	2	2														017			
6	APW18		1045	2	2														018			
7	G06D																					
8	G104																					
9	G104D																					
10	G104S																					
11	G105																					
12	G106																					
13	G109																					
14	G111																					
15	G112																					
16	G113																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
NEW-23Q4 Rev 0	<i>Mandy Carroll</i>	10/11/23	1325	<i>Terry Hanratty</i>	10/11/23	1325	
	<i>Mandy Carroll</i>	10/11/23	1500	<i>Terry Hanratty</i>	10/11/23	1500	

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>Mandy Carroll</i>				
SIGNATURE of SAMPLER:	<i>Mandy Carroll</i>	DATE Signed (MM/DD/YYYY):	10/10/23		

23091795

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:	
				REGULATORY AGENCY	
				NPOES GROUND WATER DRINKING WATER	
				UST RCRA OTHER	
				Site Location	
				STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE 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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol					Other
1		XPW03			10/10/23	1205 1205	2		2									23091795-021		
2		XPW04			10/10/23	1205 1300	2		2									022		
3		XSG01																		
4		Field Blank					2		2					✓				023		
5		A213 Duplicate																		
6		APW02 Duplicate			10-10-23	1156	2		2					✓				024		
7		G06D Duplicate																		
8		G104 Duplicate																		
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
NEW-23Q4 Rev 0	<i>Tracy Carroll</i>	10/11/23	1325	<i>Tracy Carroll</i>	10/11/23	1325			
	<i>Paul M. ...</i>	10/11/23	1500	<i>Tracy Carroll</i>	10/11/23	1500			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	<i>Tracy Carroll</i>		
SIGNATURE of SAMPLER:	<i>Tracy Carroll</i>		
DATE Signed (MM/DD/YY):	10/10/23		
Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY		
Company: <u>Vistra Corp-Newton</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Terry Hanratty</u>		NPDES GROUND WATER DRINKING WATER		
Address: <u>6725 N 500th St</u>		Copy To: <u>Terry Hanratty - Terry.Hanratty@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>		UST RCRA OTHER		
<u>Newton, IL 62448</u>		<u>Sam Davies - samantha.davies@vistracorp.com</u>		Address: <u>see Section A</u>		Site Location		
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Quote Reference:		STATE: <u>IL</u>		
Phone: <u>(217) 753-8911</u> Fax:		Project Name:		Project Manager:				
Requested Due Date/TAT: <u>10 day</u>		Project Number: <u>2285</u>		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501			NEW-NPDES-501		
1	A207																										
2	A213					10-11-23	1208																				
3	A214																										
4	A215																										
5	APW02							2	2																	23091795-001	
6	APW03							2	2																		002
7	APW04							2	2																		003
8	APW05							2	2																		004
9	APW05S							2	2																		005
10	APW06							2	2																		006
11	APW07							2	2																		007
12	APW08							2	2																		008
13	APW09							2	2																		009
14	APW10							2	2																		010
15	APW11							2	2																		011
16	APW12					10/11/23	931	2	2																		012

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
NEW-23Q4 Rev 0		<i>Juaney Carroll</i>		10/12	1030	<i>Juaney Carroll</i>		10/12	1030	2.2	Y	N	Y
<i>2309/202 only.</i>		<i>Juaney Carroll</i>		10/12	1230	<i>Juaney Carroll</i>		10/13	1230				
SAMPLER NAME AND SIGNATURE								Temp in °C	Received on Ice (Y/N)	Custody Stored/Cooled (Y/N)	Sample Intact (Y/N)		
PRINT Name of SAMPLER: <i>Juaney Carroll</i>													
SIGNATURE of SAMPLER: <i>Juaney Carroll</i>													
DATE Signed (MM/DD/YYYY): <i>10/11/23</i>													

Added HNO3 (43357) to APW12.
pH v 40719 On 10/13/23

LTG1

23091795

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: Vistra Corp-Newton		Report To: Brian Voelker		Attention: Terry Hanratty		NPDES GROUND WATER DRINKING WATER	
Address: 6725 N 500th St		Copy To: Terry Hanratty - Terry.Hanratty@vistracorp.com		Company Name: Vistra Corp		UST RCRA OTHER	
Newton, IL 62448		Sam Davies - samantha.davies@vistracorp.com		Address: see Section A		Site Location	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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 ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	NEW-257-501	NEW-257-502	NEW-811-502	NEW-811-503	NEW-845-501	NEW-NPDES-501		
							DRINKING WATER DW	WATER WW	WASTE WATER WWV	PRODUCT P	SOIL/SOLID SL	OIL OL	WIPE WP		AIR AR	OTHER OT	TISSUE TS						
1	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE					2		Z														23091795-021	
2						2		Z														022	
3																							
4			10-12-23	1345		2		Z					✓									023	
5																							
6						2		Z					✓									024	
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NEW-23Q4 Rev 0	<i>Jenny Carroll</i>	10/12/23	1702	<i>Tracy Carroll</i>	10/12/23	1702	is.c	Y	N	Y

PH 90719 (SM) 10/15/23

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealer Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Tracy Carroll</i>	DATE Signed (MM/DD/YY): <i>10/12/23</i>				
SIGNATURE of SAMPLER: <i>Jenny Carroll</i>					

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/15/2023 3:18:04 PM

JOB DESCRIPTION

Radium-226 and Radium-228
23091795

JOB NUMBER

160-51849-1

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
11/15/2023 3:18:04 PM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
Designee for
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566



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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501
Job ID: 160-51849-1
SDG: 23091795

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

Job ID: 160-51849-1

Laboratory: Eurofins St. Louis

Narrative

Job Narrative 160-51849-1

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

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

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

Receipt

The samples were received on 10/16/2023 2:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 3 coolers at receipt time were 19.0°C, 19.1°C and 19.7°C

Receipt Exceptions

The samplers name is not listed on the COC.

23091795-001 (160-51849-1), 23091795-002 (160-51849-2), 23091795-003 (160-51849-3), 23091795-004 (160-51849-4), 23091795-005 (160-51849-5), 23091795-006 (160-51849-6), 23091795-007 (160-51849-7), 23091795-008 (160-51849-8), 23091795-009 (160-51849-9), 23091795-010 (160-51849-10), 23091795-011 (160-51849-11), 23091795-012 (160-51849-12), 23091795-013 (160-51849-13), 23091795-014 (160-51849-14), 23091795-015 (160-51849-15), 23091795-016 (160-51849-16), 23091795-017 (160-51849-17), 23091795-018 (160-51849-18), 23091795-019 (160-51849-19), 23091795-020 (160-51849-20), 23091795-021 (160-51849-21), 23091795-022 (160-51849-22), 23091795-023 (160-51849-23) and 23091795-024 (160-51849-24)

The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of 7 and 13: 23091795-015 (160-51849-15) and 23091795-019 (160-51849-19). The samples were preserved to the appropriate pH in the laboratory.

Gas Flow Proportional Counter

Method 904.0: Radium-228 Prep Batch 632485:

The following sample(s) were prepared at a reduced aliquot due to matrix. The sample 51849-22 was yellow and cloudy. The samples 380-6632-2 and 51849-21 were slightly yellow. The rest of the selected samples were slightly cloudy.

The Ra-228 laboratory control sample (LCS) associated with the following samples recovered at 137%. 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 (63-150%) per method requirements. The LCS is within criteria and no further action is required. (LCS 160-632485/2-A)

The method blank (MB) has Ra-228 activity above the RL. All associated samples have Ra-228 activity either below the MDC and/or RL; therefore re-analysis is not required. The data have been reported with this narrative.

Method 904.0: Radium-228 prep batch 632479:

The following samples did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. 23091795-015 (160-51849-15) and 23091795-019 (160-51849-19)

Method 904.0: Radium-228 Prep Batch 635677:

Insufficient sample volume was available to perform a sample duplicate for the following samples: 23091795-022 (160-51849-22). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501
Job ID: 160-51849-1
SDG: 23091795

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

Job ID: 160-51849-1 (Continued)

Laboratory: Eurofins St. Louis (Continued)

The detection goal was not met for the following sample due to insufficient sample available for analysis: 23091795-022 (160-51849-22). Analytical results are reported with the detection limit achieved.

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

Method 903.0: Radium-226:

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

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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

Project#: 23091795
 Cooler Temp: Sampler: QC Level: 3

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
 Requested Due Date: Standaad TAT Billing/PO: 65178

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.

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
	23091795-001	10/10/23 1156	HNO3	Groundwater
	23091795-002	10/10/23 1400	HNO3	Groundwater
	23091795-003	10/10/23 1523	HNO3	Groundwater
	23091795-004	10/10/23 1118	HNO3	Groundwater
	23091795-005	10/10/23 1042	HNO3	Groundwater
	23091795-006	10/10/23 1007	HNO3	Groundwater
	23091795-007	10/10/23 1106	HNO3	Groundwater
	23091795-008	10/10/23 1215	HNO3	Groundwater
	23091795-009	10/10/23 1345	HNO3	Groundwater
	23091795-010	10/10/23 1505	HNO3	Groundwater
	23091795-011	10/10/23 1502	HNO3	Groundwater



*Relinquished By	Date/Time	Received By	Date/Time
<i>AMC</i>	10/16/23	<i>M. Pinette</i>	10/16/23 1448

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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)

SubCocRevA
 3/2/2016

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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: QC Level: 3

Project#

23091795

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standad TAT

Billing/PO: 35178

Phone: 618 344-1004 ext. 33

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.

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.

Ra226/228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	23091795-012	10/11/23 0931	HNO3	Groundwater
	23091795-013	10/10/23 1444	HNO3	Groundwater
	23091795-014	10/10/23 1421	HNO3	Groundwater
	23091795-015	10/10/23 1316	HNO3	Groundwater
	23091795-016	10/10/23 1239	HNO3	Groundwater
	23091795-017	10/10/23 1126	HNO3	Groundwater
	23091795-018	10/10/23 1045	HNO3	Groundwater
	23091795-019	10/10/23 1018	HNO3	Groundwater
	23091795-020	10/10/23 0926	HNO3	Groundwater
	23091795-021	10/10/23 1223	HNO3	Groundwater
	23091795-022	10/10/23 1320	HNO3	Groundwater

*Relinquished By

[Signature]

Date/Time

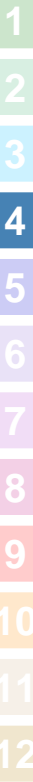
10/16/23

Received By

M. Pinote

Date/Time

10/10/23 1448



Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-51849-1

SDG Number: 23091795

Login Number: 51849

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	The samplers name is not listed on the COC.
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 arrival.
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Job ID: 160-51849-1
 SDG: 23091795

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
NEWTON POWER PLANT, PRIMARY ASH POND
NEW-845-501
Job ID: 160-51849-1
SDG: 23091795

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



ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Sample Summary

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

Job ID: 160-51849-1
 SDG: 23091795

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-51849-1	23091795-001	Water	10/10/23 11:56	10/16/23 14:48
160-51849-2	23091795-002	Water	10/10/23 14:00	10/16/23 14:48
160-51849-3	23091795-003	Water	10/10/23 15:23	10/16/23 14:48
160-51849-4	23091795-004	Water	10/10/23 11:18	10/16/23 14:48
160-51849-5	23091795-005	Water	10/10/23 10:42	10/16/23 14:48
160-51849-6	23091795-006	Water	10/10/23 10:07	10/16/23 14:48
160-51849-7	23091795-007	Water	10/10/23 11:06	10/16/23 14:48
160-51849-8	23091795-008	Water	10/10/23 12:15	10/16/23 14:48
160-51849-9	23091795-009	Water	10/10/23 13:45	10/16/23 14:48
160-51849-10	23091795-010	Water	10/10/23 15:05	10/16/23 14:48
160-51849-11	23091795-011	Water	10/10/23 15:02	10/16/23 14:48
160-51849-12	23091795-012	Water	10/11/23 09:31	10/16/23 14:48
160-51849-13	23091795-013	Water	10/10/23 14:44	10/16/23 14:48
160-51849-14	23091795-014	Water	10/10/23 14:21	10/16/23 14:48
160-51849-15	23091795-015	Water	10/10/23 13:16	10/16/23 14:48
160-51849-16	23091795-016	Water	10/10/23 12:39	10/16/23 14:48
160-51849-17	23091795-017	Water	10/10/23 11:26	10/16/23 14:48
160-51849-18	23091795-018	Water	10/10/23 10:45	10/16/23 14:48
160-51849-19	23091795-019	Water	10/10/23 10:18	10/16/23 14:48
160-51849-20	23091795-020	Water	10/10/23 09:26	10/16/23 14:48
160-51849-21	23091795-021	Water	10/10/23 12:23	10/16/23 14:48
160-51849-22	23091795-022	Water	10/10/23 13:20	10/16/23 14:48
160-51849-23	23091795-023	Water	10/12/23 13:45	10/16/23 14:48
160-51849-24	23091795-024	Water	10/10/23 11:56	10/16/23 14:48



Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-001
 Date Collected: 10/10/23 11:56
 Date Received: 10/16/23 14:48

Lab Sample ID: 160-51849-1
 Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0133	U	0.0549	0.0549	1.00	0.108	pCi/L	10/18/23 09:03	11/09/23 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					10/18/23 09:03	11/09/23 11:45	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	0.830		0.387	0.394	1.00	0.534	pCi/L	10/18/23 09:05	11/03/23 15:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					10/18/23 09:05	11/03/23 15:17	1
Y Carrier	81.9		30 - 110					10/18/23 09:05	11/03/23 15:17	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	0.843		0.391	0.398	5.00	0.534	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-002
 Date Collected: 10/10/23 14:00
 Date Received: 10/16/23 14:48

Lab Sample ID: 160-51849-2
 Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.111	U	0.107	0.107	1.00	0.170	pCi/L	10/18/23 09:03	11/09/23 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		30 - 110					10/18/23 09:03	11/09/23 11:45	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	0.454	U	0.315	0.318	1.00	0.473	pCi/L	10/18/23 09:05	11/03/23 15:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		30 - 110					10/18/23 09:05	11/03/23 15:17	1
Y Carrier	86.0		30 - 110					10/18/23 09:05	11/03/23 15:17	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	0.564		0.333	0.336	5.00	0.473	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-003

Lab Sample ID: 160-51849-3

Date Collected: 10/10/23 15:23

Matrix: Water

Date Received: 10/16/23 14:48

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0329	U	0.0918	0.0919	1.00	0.168	pCi/L	10/18/23 09:03	11/09/23 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					10/18/23 09:03	11/09/23 11:45	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	1.05		0.389	0.401	1.00	0.465	pCi/L	10/18/23 09:05	11/03/23 15:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					10/18/23 09:05	11/03/23 15:18	1
Y Carrier	80.0		30 - 110					10/18/23 09:05	11/03/23 15:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.08		0.400	0.411	5.00	0.465	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-004

Lab Sample ID: 160-51849-4

Date Collected: 10/10/23 11:18

Matrix: Water

Date Received: 10/16/23 14:48

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	0.175		0.102	0.103	1.00	0.138	pCi/L	10/18/23 09:03	11/09/23 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					10/18/23 09:03	11/09/23 11:45	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	0.740		0.406	0.412	1.00	0.594	pCi/L	10/18/23 09:05	11/03/23 15:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					10/18/23 09:05	11/03/23 15:18	1
Y Carrier	81.9		30 - 110					10/18/23 09:05	11/03/23 15:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.915		0.419	0.425	5.00	0.594	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-005

Lab Sample ID: 160-51849-5

Date Collected: 10/10/23 10:42

Matrix: Water

Date Received: 10/16/23 14:48

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	0.0663	U	0.105	0.105	1.00	0.181	pCi/L	10/18/23 09:03	11/09/23 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					10/18/23 09:03	11/09/23 11:45	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	0.341	U	0.381	0.383	1.00	0.624	pCi/L	10/18/23 09:05	11/03/23 15:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					10/18/23 09:05	11/03/23 15:18	1
Y Carrier	81.5		30 - 110					10/18/23 09:05	11/03/23 15:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.407	U	0.395	0.397	5.00	0.624	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-006

Lab Sample ID: 160-51849-6

Date Collected: 10/10/23 10:07

Matrix: Water

Date Received: 10/16/23 14:48

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	0.331		0.148	0.151	1.00	0.179	pCi/L	10/18/23 09:03	11/09/23 11:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110					10/18/23 09:03	11/09/23 11:45	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	0.246	U	0.332	0.333	1.00	0.557	pCi/L	10/18/23 09:05	11/03/23 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110					10/18/23 09:05	11/03/23 15:19	1
Y Carrier	84.9		30 - 110					10/18/23 09:05	11/03/23 15:19	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	0.577		0.363	0.366	5.00	0.557	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-007

Lab Sample ID: 160-51849-7

Date Collected: 10/10/23 11:06

Matrix: Water

Date Received: 10/16/23 14:48

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	1.04		0.222	0.241	1.00	0.157	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.76		0.524	0.548	1.00	0.596	pCi/L	10/18/23 09:05	11/03/23 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/18/23 09:05	11/03/23 15:19	1
Y Carrier	83.4		30 - 110					10/18/23 09:05	11/03/23 15:19	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	2.80		0.569	0.599	5.00	0.596	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-008

Lab Sample ID: 160-51849-8

Date Collected: 10/10/23 12:15

Matrix: Water

Date Received: 10/16/23 14:48

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	0.593		0.176	0.183	1.00	0.159	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.45		0.494	0.512	1.00	0.579	pCi/L	10/18/23 09:05	11/03/23 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					10/18/23 09:05	11/03/23 15:19	1
Y Carrier	81.1		30 - 110					10/18/23 09:05	11/03/23 15:19	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	2.04		0.524	0.544	5.00	0.579	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-009

Lab Sample ID: 160-51849-9

Date Collected: 10/10/23 13:45

Matrix: Water

Date Received: 10/16/23 14:48

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	0.252		0.114	0.116	1.00	0.106	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.6		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.286	U	0.346	0.347	1.00	0.571	pCi/L	10/18/23 09:05	11/03/23 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.6		30 - 110					10/18/23 09:05	11/03/23 15:19	1
Y Carrier	84.9		30 - 110					10/18/23 09:05	11/03/23 15:19	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	0.538	U	0.364	0.366	5.00	0.571	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-010

Lab Sample ID: 160-51849-10

Date Collected: 10/10/23 15:05

Matrix: Water

Date Received: 10/16/23 14:48

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.111	U	0.0867	0.0872	1.00	0.126	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.7		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.897		0.357	0.367	1.00	0.438	pCi/L	10/18/23 09:05	11/03/23 15:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.7		30 - 110					10/18/23 09:05	11/03/23 15:19	1
Y Carrier	81.5		30 - 110					10/18/23 09:05	11/03/23 15:19	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	1.01		0.367	0.377	5.00	0.438	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-011

Lab Sample ID: 160-51849-11

Date Collected: 10/10/23 15:02

Matrix: Water

Date Received: 10/16/23 14:48

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		0.127	0.129	1.00	0.162	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.611		0.382	0.386	1.00	0.553	pCi/L	10/18/23 09:05	11/03/23 15:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					10/18/23 09:05	11/03/23 15:20	1
Y Carrier	86.0		30 - 110					10/18/23 09:05	11/03/23 15:20	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	0.854		0.403	0.407	5.00	0.553	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-012

Lab Sample ID: 160-51849-12

Date Collected: 10/11/23 09:31

Matrix: Water

Date Received: 10/16/23 14:48

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	0.0448	U	0.115	0.115	1.00	0.209	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.846		0.473	0.480	1.00	0.672	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	83.0		30 - 110					10/18/23 09:05	11/03/23 15:26	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	0.891		0.487	0.494	5.00	0.672	pCi/L		11/10/23 12:42	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-013

Lab Sample ID: 160-51849-13

Date Collected: 10/10/23 14:44

Matrix: Water

Date Received: 10/16/23 14:48

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	0.103	U	0.0917	0.0921	1.00	0.140	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0326	U	0.356	0.356	1.00	0.663	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	77.4		30 - 110					10/18/23 09:05	11/03/23 15:26	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	0.103	U	0.368	0.368	5.00	0.663	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-014

Lab Sample ID: 160-51849-14

Date Collected: 10/10/23 14:21

Matrix: Water

Date Received: 10/16/23 14:48

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	0.410		0.164	0.168	1.00	0.179	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					10/18/23 09:03	11/09/23 11:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.16		0.547	0.557	1.00	0.751	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	81.5		30 - 110					10/18/23 09:05	11/03/23 15:26	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		0.571	0.582	5.00	0.751	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-015

Lab Sample ID: 160-51849-15

Date Collected: 10/10/23 13:16

Matrix: Water

Date Received: 10/16/23 14:48

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	0.937		0.393	0.402	1.00	0.464	pCi/L	10/18/23 09:03	11/09/23 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	51.6		30 - 110					10/18/23 09:03	11/09/23 13:35	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	2.57	G	1.34	1.36	1.00	1.88	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	51.6		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	81.1		30 - 110					10/18/23 09:05	11/03/23 15:26	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	3.51		1.40	1.42	5.00	1.88	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-016

Lab Sample ID: 160-51849-16

Date Collected: 10/10/23 12:39

Matrix: Water

Date Received: 10/16/23 14:48

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	0.731		0.195	0.206	1.00	0.179	pCi/L	10/18/23 09:03	11/09/23 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/18/23 09:03	11/09/23 13:35	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	1.82		0.540	0.566	1.00	0.613	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	82.6		30 - 110					10/18/23 09:05	11/03/23 15:26	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	2.55		0.574	0.602	5.00	0.613	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-017

Lab Sample ID: 160-51849-17

Date Collected: 10/10/23 11:26

Matrix: Water

Date Received: 10/16/23 14:48

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	0.873		0.214	0.228	1.00	0.184	pCi/L	10/18/23 09:03	11/09/23 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					10/18/23 09:03	11/09/23 13:35	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	1.43		0.526	0.542	1.00	0.671	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	85.6		30 - 110					10/18/23 09:05	11/03/23 15:26	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	2.30		0.568	0.588	5.00	0.671	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-018

Lab Sample ID: 160-51849-18

Date Collected: 10/10/23 10:45

Matrix: Water

Date Received: 10/16/23 14:48

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	0.433		0.155	0.160	1.00	0.157	pCi/L	10/18/23 09:03	11/09/23 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/18/23 09:03	11/09/23 13:35	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	0.830		0.449	0.456	1.00	0.637	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	81.5		30 - 110					10/18/23 09:05	11/03/23 15:26	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	1.26		0.475	0.483	5.00	0.637	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-019
 Date Collected: 10/10/23 10:18
 Date Received: 10/16/23 14:48

Lab Sample ID: 160-51849-19
 Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.618		0.263	0.269	1.00	0.297	pCi/L	10/18/23 09:03	11/09/23 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.8		30 - 110					10/18/23 09:03	11/09/23 13:35	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	0.557	U G	0.753	0.754	1.00	1.26	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.8		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	78.1		30 - 110					10/18/23 09:05	11/03/23 15:26	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	1.18	U	0.798	0.801	5.00	1.26	pCi/L		11/10/23 12:42	1

Client Sample ID: 23091795-020
 Date Collected: 10/10/23 09:26
 Date Received: 10/16/23 14:48

Lab Sample ID: 160-51849-20
 Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.202		0.122	0.123	1.00	0.138	pCi/L	10/18/23 09:03	11/09/23 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	68.7		30 - 110					10/18/23 09:03	11/09/23 13:35	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	0.799		0.531	0.536	1.00	0.776	pCi/L	10/18/23 09:05	11/03/23 15:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	68.7		30 - 110					10/18/23 09:05	11/03/23 15:26	1
Y Carrier	81.9		30 - 110					10/18/23 09:05	11/03/23 15:26	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	1.00		0.545	0.550	5.00	0.776	pCi/L		11/10/23 12:42	1

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Client Sample Results

ATTACHMENT B.
 315 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-021
 Date Collected: 10/10/23 12:23
 Date Received: 10/16/23 14:48

Lab Sample ID: 160-51849-21
 Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0875	U	0.0962	0.0965	1.00	0.154	pCi/L	10/18/23 09:14	11/09/23 13:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					10/18/23 09:14	11/09/23 13:40	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.639	U	0.518	0.522	1.00	0.816	pCi/L	10/18/23 09:19	11/03/23 15:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					10/18/23 09:19	11/03/23 15:29	1
Y Carrier	84.9		30 - 110					10/18/23 09:19	11/03/23 15:29	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	0.727	U	0.527	0.531	5.00	0.816	pCi/L		11/15/23 13:35	1

Client Sample ID: 23091795-022
 Date Collected: 10/10/23 13:20
 Date Received: 10/16/23 14:48

Lab Sample ID: 160-51849-22
 Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0658	U	0.178	0.178	1.00	0.341	pCi/L	10/18/23 09:14	11/09/23 13:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	32.0		30 - 110					10/18/23 09:14	11/09/23 13:41	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	-0.427	U G	0.753	0.754	1.00	1.53	pCi/L	11/07/23 11:01	11/14/23 11:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.7		30 - 110					11/07/23 11:01	11/14/23 11:33	1
Y Carrier	57.6		30 - 110					11/07/23 11:01	11/14/23 11:33	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	0.0658	U	0.774	0.775	5.00	1.53	pCi/L		11/15/23 13:16	1

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Client Sample Results

ATTACHMENT B.
 915 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Client Sample ID: 23091795-023

Lab Sample ID: 160-51849-23

Date Collected: 10/12/23 13:45

Matrix: Water

Date Received: 10/16/23 14:48

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	0.182		0.0904	0.0919	1.00	0.101	pCi/L	10/18/23 09:14	11/09/23 13:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		30 - 110					10/18/23 09:14	11/09/23 13:41	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	0.559		0.298	0.302	1.00	0.416	pCi/L	10/18/23 09:19	11/03/23 15:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		30 - 110					10/18/23 09:19	11/03/23 15:27	1
Y Carrier	89.7		30 - 110					10/18/23 09:19	11/03/23 15:27	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	0.740		0.311	0.316	5.00	0.416	pCi/L		11/15/23 13:35	1

Client Sample ID: 23091795-024

Lab Sample ID: 160-51849-24

Date Collected: 10/10/23 11:56

Matrix: Water

Date Received: 10/16/23 14:48

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	0.0581	U	0.0579	0.0581	1.00	0.0871	pCi/L	10/18/23 09:14	11/09/23 13:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					10/18/23 09:14	11/09/23 13:41	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	0.514		0.292	0.296	1.00	0.416	pCi/L	10/18/23 09:19	11/03/23 15:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					10/18/23 09:19	11/03/23 15:27	1
Y Carrier	93.5		30 - 110					10/18/23 09:19	11/03/23 15:27	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	0.573		0.298	0.302	5.00	0.416	pCi/L		11/15/23 13:35	1

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QC Sample Results

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

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-632478/1-A
 Matrix: Water
 Analysis Batch: 636166

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 632478

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.07906	U	0.0723	0.0726	1.00	0.109	pCi/L	10/18/23 09:03	11/09/23 11:44	1
Carrier	MB MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier	30 - 110					10/18/23 09:03	11/09/23 11:44	1
	97.1									

Lab Sample ID: LCS 160-632478/2-A
 Matrix: Water
 Analysis Batch: 636166

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 632478

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits		
				Uncert. (2σ+/-)							
Radium-226	11.3	10.02		1.08	1.00	0.137	pCi/L	88	75 - 125		
Carrier	LCS	LCS									
Ba Carrier	%Yield	Qualifier	Limits								
	99.0		30 - 110								

Lab Sample ID: 160-51849-1 DU
 Matrix: Water
 Analysis Batch: 636166

Client Sample ID: 23091795-001
 Prep Type: Total/NA
 Prep Batch: 632478

Analyte	Sample Sample		DU	DU	Total	RL	MDC	Unit	RER	RER Limit	
	Result	Qual	Result	Qual	Uncert. (2σ+/-)						
Radium-226	0.0133	U	0.08428	U	0.0828	1.00	0.129	pCi/L	0.52	1	
Carrier	DU	DU									
Ba Carrier	%Yield	Qualifier	Limits								
	98.8		30 - 110								

Lab Sample ID: MB 160-632484/1-A
 Matrix: Water
 Analysis Batch: 636008

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 632484

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.002000	U	0.126	0.126	1.00	0.268	pCi/L	10/18/23 09:14	11/09/23 13:37	1
Carrier	MB MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier	30 - 110					10/18/23 09:14	11/09/23 13:37	1
	34.0									

Lab Sample ID: LCS 160-632484/2-A
 Matrix: Water
 Analysis Batch: 636008

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 632484

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.07		1.23	1.00	0.151	pCi/L	98	75 - 125

QC Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-632484/2-A
 Matrix: Water
 Analysis Batch: 636008

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 632484

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	63.1		30 - 110

Lab Sample ID: 160-51849-24 DU
 Matrix: Water
 Analysis Batch: 636008

Client Sample ID: 23091795-024
 Prep Type: Total/NA
 Prep Batch: 632484

Analyte	Sample		DU		Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual						
Radium-226	0.0581	U	0.1206		0.0848	1.00	0.114	pCi/L	0.44	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	90.7		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-632479/1-A
 Matrix: Water
 Analysis Batch: 635024

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 632479

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.1773	U	0.245	0.246	1.00	0.412	pCi/L	10/18/23 09:05	11/03/23 15:17	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.1		30 - 110	10/18/23 09:05	11/03/23 15:17	1
Y Carrier	82.6		30 - 110	10/18/23 09:05	11/03/23 15:17	1

Lab Sample ID: LCS 160-632479/2-A
 Matrix: Water
 Analysis Batch: 635024

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 632479

Analyte	Spike Added	LCS		Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual						
Radium-228	7.75	8.615		1.15	1.00	0.433	pCi/L	111	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110
Y Carrier	86.4		30 - 110

Lab Sample ID: 160-51849-1 DU
 Matrix: Water
 Analysis Batch: 635024

Client Sample ID: 23091795-001
 Prep Type: Total/NA
 Prep Batch: 632479

Analyte	Sample		DU		Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual						
Radium-228	0.830		0.7688		0.380	1.00	0.525	pCi/L	0.08	1

Eurofins St. Louis

QC Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-51849-1 DU
 Matrix: Water
 Analysis Batch: 635024

Client Sample ID: 23091795-001
 Prep Type: Total/NA
 Prep Batch: 632479

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	98.8		30 - 110
Y Carrier	84.9		30 - 110

Lab Sample ID: MB 160-632485/1-A
 Matrix: Water
 Analysis Batch: 635114

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 632485

Analyte	MB MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	1.542	G	1.00	1.01	1.00	1.50	pCi/L	10/18/23 09:19	11/03/23 15:28	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	34.0		30 - 110	10/18/23 09:19	11/03/23 15:28	1
Y Carrier	77.4		30 - 110	10/18/23 09:19	11/03/23 15:28	1

Lab Sample ID: LCS 160-632485/2-A
 Matrix: Water
 Analysis Batch: 635114

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 632485

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Carrier	%Yield	Qualifier	Limits
Ba Carrier	63.1		30 - 110
Y Carrier	78.1		30 - 110

Lab Sample ID: 160-51849-24 DU
 Matrix: Water
 Analysis Batch: 635115

Client Sample ID: 23091795-024
 Prep Type: Total/NA
 Prep Batch: 632485

Analyte	Sample Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual								
Radium-228	0.514		0.7718		0.343	1.00	0.427	pCi/L	0.40	1

Carrier	%Yield	Qualifier	Limits
Ba Carrier	90.7		30 - 110
Y Carrier	86.7		30 - 110

Lab Sample ID: MB 160-635677/1-A
 Matrix: Water
 Analysis Batch: 636839

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 635677

Analyte	MB MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.2414	U	0.329	0.330	1.00	0.553	pCi/L	11/07/23 11:01	11/14/23 11:33	1

QC Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501
 Job ID: 160-51849-1
 SDG: 23091795

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

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-635677/1-A
 Matrix: Water
 Analysis Batch: 636839

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 635677

Carrier	MB MB		Limits
	%Yield	Qualifier	
Ba Carrier	93.6		30 - 110
Y Carrier	69.5		30 - 110

Prepared	Analyzed	Dil Fac
11/07/23 11:01	11/14/23 11:33	1
11/07/23 11:01	11/14/23 11:33	1

Lab Sample ID: LCS 160-635677/2-A
 Matrix: Water
 Analysis Batch: 636839

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 635677

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	7.72	8.045		1.19	1.00	0.517	pCi/L	104	75 - 125	

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	93.1		30 - 110
Y Carrier	72.1		30 - 110

Lab Sample ID: LCSD 160-635677/3-A
 Matrix: Water
 Analysis Batch: 636839

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 635677

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		RER	RER Limit
Radium-228	7.72	6.703		1.13	1.00	0.622	pCi/L	87	75 - 125	0.58	1	

Carrier	LCSD LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	84.2		30 - 110
Y Carrier	66.2		30 - 110

QC Association Summary

ATTACHMENT B.
 845-QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501
 Job ID: 160-51849-1
 SDG: 23091795

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

Rad

Prep Batch: 632478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51849-1	23091795-001	Total/NA	Water	PrecSep-21	
160-51849-2	23091795-002	Total/NA	Water	PrecSep-21	
160-51849-3	23091795-003	Total/NA	Water	PrecSep-21	
160-51849-4	23091795-004	Total/NA	Water	PrecSep-21	
160-51849-5	23091795-005	Total/NA	Water	PrecSep-21	
160-51849-6	23091795-006	Total/NA	Water	PrecSep-21	
160-51849-7	23091795-007	Total/NA	Water	PrecSep-21	
160-51849-8	23091795-008	Total/NA	Water	PrecSep-21	
160-51849-9	23091795-009	Total/NA	Water	PrecSep-21	
160-51849-10	23091795-010	Total/NA	Water	PrecSep-21	
160-51849-11	23091795-011	Total/NA	Water	PrecSep-21	
160-51849-12	23091795-012	Total/NA	Water	PrecSep-21	
160-51849-13	23091795-013	Total/NA	Water	PrecSep-21	
160-51849-14	23091795-014	Total/NA	Water	PrecSep-21	
160-51849-15	23091795-015	Total/NA	Water	PrecSep-21	
160-51849-16	23091795-016	Total/NA	Water	PrecSep-21	
160-51849-17	23091795-017	Total/NA	Water	PrecSep-21	
160-51849-18	23091795-018	Total/NA	Water	PrecSep-21	
160-51849-19	23091795-019	Total/NA	Water	PrecSep-21	
160-51849-20	23091795-020	Total/NA	Water	PrecSep-21	
MB 160-632478/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-632478/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-51849-1 DU	23091795-001	Total/NA	Water	PrecSep-21	

Prep Batch: 632479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51849-1	23091795-001	Total/NA	Water	PrecSep_0	
160-51849-2	23091795-002	Total/NA	Water	PrecSep_0	
160-51849-3	23091795-003	Total/NA	Water	PrecSep_0	
160-51849-4	23091795-004	Total/NA	Water	PrecSep_0	
160-51849-5	23091795-005	Total/NA	Water	PrecSep_0	
160-51849-6	23091795-006	Total/NA	Water	PrecSep_0	
160-51849-7	23091795-007	Total/NA	Water	PrecSep_0	
160-51849-8	23091795-008	Total/NA	Water	PrecSep_0	
160-51849-9	23091795-009	Total/NA	Water	PrecSep_0	
160-51849-10	23091795-010	Total/NA	Water	PrecSep_0	
160-51849-11	23091795-011	Total/NA	Water	PrecSep_0	
160-51849-12	23091795-012	Total/NA	Water	PrecSep_0	
160-51849-13	23091795-013	Total/NA	Water	PrecSep_0	
160-51849-14	23091795-014	Total/NA	Water	PrecSep_0	
160-51849-15	23091795-015	Total/NA	Water	PrecSep_0	
160-51849-16	23091795-016	Total/NA	Water	PrecSep_0	
160-51849-17	23091795-017	Total/NA	Water	PrecSep_0	
160-51849-18	23091795-018	Total/NA	Water	PrecSep_0	
160-51849-19	23091795-019	Total/NA	Water	PrecSep_0	
160-51849-20	23091795-020	Total/NA	Water	PrecSep_0	
MB 160-632479/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-632479/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-51849-1 DU	23091795-001	Total/NA	Water	PrecSep_0	

QC Association Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501
 Job ID: 160-51849-1
 SDG: 23091795

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

Rad

Prep Batch: 632484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51849-21	23091795-021	Total/NA	Water	PrecSep-21	
160-51849-22	23091795-022	Total/NA	Water	PrecSep-21	
160-51849-23	23091795-023	Total/NA	Water	PrecSep-21	
160-51849-24	23091795-024	Total/NA	Water	PrecSep-21	
MB 160-632484/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-632484/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-51849-24 DU	23091795-024	Total/NA	Water	PrecSep-21	

Prep Batch: 632485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51849-21	23091795-021	Total/NA	Water	PrecSep_0	
160-51849-23	23091795-023	Total/NA	Water	PrecSep_0	
160-51849-24	23091795-024	Total/NA	Water	PrecSep_0	
MB 160-632485/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-632485/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-51849-24 DU	23091795-024	Total/NA	Water	PrecSep_0	

Prep Batch: 635677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51849-22	23091795-022	Total/NA	Water	PrecSep_0	
MB 160-635677/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-635677/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-635677/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501 Job ID: 160-51849-1
 SDG: 23091795

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)	
160-51849-1	23091795-001	96.8	
160-51849-1 DU	23091795-001	98.8	
160-51849-2	23091795-002	95.1	
160-51849-3	23091795-003	91.4	
160-51849-4	23091795-004	95.8	
160-51849-5	23091795-005	98.8	
160-51849-6	23091795-006	103	
160-51849-7	23091795-007	100	
160-51849-8	23091795-008	101	
160-51849-9	23091795-009	96.6	
160-51849-10	23091795-010	91.7	
160-51849-11	23091795-011	98.0	
160-51849-12	23091795-012	88.8	
160-51849-13	23091795-013	88.3	
160-51849-14	23091795-014	87.5	
160-51849-15	23091795-015	51.6	
160-51849-16	23091795-016	100	
160-51849-17	23091795-017	98.8	
160-51849-18	23091795-018	100	
160-51849-19	23091795-019	75.8	
160-51849-20	23091795-020	68.7	
160-51849-21	23091795-021	90.7	
160-51849-22	23091795-022	32.0	
160-51849-23	23091795-023	99.8	
160-51849-24	23091795-024	96.1	
160-51849-24 DU	23091795-024	90.7	
LCS 160-632478/2-A	Lab Control Sample	99.0	
LCS 160-632484/2-A	Lab Control Sample	63.1	
MB 160-632478/1-A	Method Blank	97.1	
MB 160-632484/1-A	Method Blank	34.0	

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)
160-51849-1	23091795-001	96.8	81.9
160-51849-1 DU	23091795-001	98.8	84.9
160-51849-2	23091795-002	95.1	86.0
160-51849-3	23091795-003	91.4	80.0
160-51849-4	23091795-004	95.8	81.9
160-51849-5	23091795-005	98.8	81.5
160-51849-6	23091795-006	103	84.9
160-51849-7	23091795-007	100	83.4
160-51849-8	23091795-008	101	81.1
160-51849-9	23091795-009	96.6	84.9

Tracer/Carrier Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501
 Job ID: 160-51849-1
 SDG: 23091795

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

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-51849-10	23091795-010	91.7	81.5
160-51849-11	23091795-011	98.0	86.0
160-51849-12	23091795-012	88.8	83.0
160-51849-13	23091795-013	88.3	77.4
160-51849-14	23091795-014	87.5	81.5
160-51849-15	23091795-015	51.6	81.1
160-51849-16	23091795-016	100	82.6
160-51849-17	23091795-017	98.8	85.6
160-51849-18	23091795-018	100	81.5
160-51849-19	23091795-019	75.8	78.1
160-51849-20	23091795-020	68.7	81.9
160-51849-21	23091795-021	90.7	84.9
160-51849-22	23091795-022	83.7	57.6
160-51849-23	23091795-023	99.8	89.7
160-51849-24	23091795-024	96.1	93.5
160-51849-24 DU	23091795-024	90.7	86.7
LCS 160-632479/2-A	Lab Control Sample	99.0	86.4
LCS 160-632485/2-A	Lab Control Sample	63.1	78.1
LCS 160-635677/2-A	Lab Control Sample	93.1	72.1
LCSD 160-635677/3-A	Lab Control Sample Dup	84.2	66.2
MB 160-632479/1-A	Method Blank	97.1	82.6
MB 160-632485/1-A	Method Blank	34.0	77.4
MB 160-635677/1-A	Method Blank	93.6	69.5

Tracer/Carrier Legend

Ba = Ba Carrier
 Y = Y Carrier



ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023													
LIMS Workorder	2091794-005A													
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	10/10/2023	11:50	1150	8.14		17	62.6	6.68	4454.7	4454.7	0.32	16.98	6.7	
APW02	10/10/2023	11:53	1153	8.14		17	62.6	6.68	4414.2	4414.2	0.28	8.94	9.2	
APW02	10/10/2023	11:56	1156	8.14		17.3	63.14	6.68	4385.5	4385.5	0.28	6.43	11.1	

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023													
LIMS Workorder	2091794-006A													
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	10/10/2023	13:54	1354	8.04		17.9	64.22	6.99	832.3	832.3	0.43	9.46	-17.5	
APW03	10/10/2023	13:57	1357	8.04		18.9	66.02	6.93	840.2	840.2	0.44	7.44	-12.3	
APW03	10/10/2023	14:00	1400	8.04		19.8	67.64	6.91	840.4	840.4	0.51	6.76	-10.1	

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023													
LIMS Workorder	2091794-007A													
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	10/10/2023	15:17	1517	5.45		17	62.6	6.79	1797.1	1797.1	0.37	22.55	17.5	
APW04	10/10/2023	15:20	1520	5.45		17.7	63.86	6.79	1791.1	1791.1	0.38	12.97	18.3	
APW04	10/10/2023	15:23	1523	5.45		17.8	64.04	6.79	1807.4	1807.4	0.47	9.79	18.6	

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-008A														
Technician	BG, JC, TAC														
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (μ S/cm)	Sp Cond (μ mhos/cm @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	
APW05	10/10/2023	11:09	1109	14.33		15.2	59.36	7.42	988.7	988.7	0.68	17.5	-77		
APW05	10/10/2023	11:12	1112	14.33		15.2	59.36	7.42	988.3	988.3	0.62	15.71	-107.2		
APW05	10/10/2023	11:15	1115	14.33		15.2	59.36	7.42	987.7	987.7	0.58	25.13	-124.5		
APW05	10/10/2023	11:18	1118	14.33		15.1	59.18	7.43	987.9	987.9	0.6	31.09	-134.5		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023													
LIMS Workorder	2091794-009A													
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	10/10/2023	10:36	1036	13.94		16.2	61.16	6.67	3749.3	3749.3	0.77	52.68	-0.5	
APW05S	10/10/2023	10:39	1039	13.94		16.3	61.34	6.66	3780.9	3780.9	0.74	55.16	-1.6	
APW05S	10/10/2023	10:42	1042	13.94		16.5	61.7	6.66	3801.4	3801.4	0.72	61.14	-2.5	

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-010A														
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	10/10/2023	9:58	0958	19.45		14.3	57.74	6.94	898.3	898.3	0.98	45.88	-57.1		
APW06	10/10/2023	10:01	1001	19.45		14.4	57.92	7.01	896.4	896.4	0.8	53.85	-75.8		
APW06	10/10/2023	10:04	1004	19.45		14.4	57.92	7.07	895.1	895.1	0.73	65.49	-89.3		
APW06	10/10/2023	10:07	1007	19.45		14.4	57.92	7.11	894.4	894.4	0.68	69.55	-99.4		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-011A														
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	10/10/2023	11:00	1100	47.18		13.3	55.94	7.79	895.6	895.6	9.47	20.18	-71.1		
APW07	10/10/2023	11:03	1103	47.18		13.3	55.94	7.68	896.7	896.7	9.19	12.78	-69.7		
APW07	10/10/2023	11:06	1106	47.18		13.3	55.94	7.62	894.3	894.3	9.16	10.46	-68.3		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-012A														
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	10/10/2023	12:09	1209	38.01		15.5	59.9	7.55	925.3	925.3	2.82	10.04	10.4		
APW08	10/10/2023	12:12	1212	38.01		15	59	7.44	951.6	951.6	0.9	6.35	-38.3		
APW08	10/10/2023	12:15	1215	38.01		14.9	58.82	7.42	951.9	951.9	0.64	4.24	-63.5		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-013A														
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	10/10/2023	13:39	1339	27.55		14.6	58.28	7.78	982.5	982.5	0.77	8.92	-39.6		
APW09	10/10/2023	13:42	1342	27.55		14.4	57.92	7.66	981.5	981.5	0.28	8.19	-44.1		
APW09	10/10/2023	13:45	1345	27.55		14.5	58.1	7.61	987.8	987.8	0.19	5.93	-46.2		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-014A														
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	10/10/2023	14:59	1459	18.79		14.4	57.92	7.3	1271.7	1271.7	3.12	15.4	-2.3		
APW10	10/10/2023	15:02	1502	18.79		14.2	57.56	7.28	1258.5	1258.5	2.98	13.26	0.7		
APW10	10/10/2023	15:05	1505	18.79		14.2	57.56	7.26	1282	1282	2.77	7.98	3		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

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	10/10/2023	14:47	1447	25.07		15.7	60.26	7.78	1315.6	1315.6	0.71	68.48	-118	
APW11	10/10/2023	14:50	1450	25.07		15.7	60.26	7.7	1312.6	1312.6	0.68	63.57	-118.9	
APW11	10/10/2023	14:53	1453	25.07		15.7	60.26	7.63	1311	1311	0.66	83.28	-118.6	
APW11	10/10/2023	14:56	1456	25.07		15.7	60.26	7.58	1309.9	1309.9	0.64	71.19	-117.3	
APW11	10/10/2023	14:59	1459	25.07		15.6	60.08	7.54	1308.8	1308.8	0.64	58.07	-117.7	
APW11	10/10/2023	15:02	1502	25.07		15.6	60.08	7.5	1307.2	1307.2	0.63	54.44	-116.9	

Site Sampling Event	Newton 4Q 2023
LIMS Workorder	2091794-015A
Technician	BG, JC, TAC

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-016A														
Technician	BG, JC, TAC														
Well ID	Date	Time	Time (adj)	DTW	Drawdown	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond ($\mu\text{S}/\text{cm}$)	Sp Cond ($\mu\text{mhos}/\text{cm}$ @25C)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	Purge Volume (gal)	
APW12	10/11/2023	9:25	0925	16.13		14.5	58.1	6.04	2080.3	2080.3	0.8	14.94	10.6		
APW12	10/11/2023	9:28	0928	16.13		14.6	58.28	6.09	2189.1	2189.1	0.76	12.7	8.1		
APW12	10/11/2023	9:31	0931	16.13		14.6	58.28	6.11	2194.7	2194.7	0.71	11.14	6.2		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-017A														
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	10/10/2023	14:38	1438	33.06		14	57.2	7.29	1181.1	1181.1	1.71	5.54	-15.6		
APW13	10/10/2023	14:41	1441	33.06		13.9	57.02	7.22	1183.8	1183.8	0.51	3.08	-21.5		
APW13	10/10/2023	14:44	1444	33.06		13.8	56.84	7.19	1187.2	1187.2	0.29	1.29	-30.8		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-018A														
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	10/10/2023	14:15	1415	21.73		13.8	56.84	7.36	1277.8	1277.8	0.59	11.31	-46.9		
APW14	10/10/2023	14:18	1418	21.73		13.8	56.84	7.33	1279.2	1279.2	0.29	9.5	-60.6		
APW14	10/10/2023	14:21	1421	21.73		13.8	56.84	7.31	1280	1280	0.19	6.98	-67.9		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023													
LIMS Workorder	2091794-019A													
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	10/10/2023	13:07	1307	21		14.9	58.82	7.17	1700.1	1700.1	0.02	57.02	-98.9	
APW15	10/10/2023	13:10	1310	21		15.1	59.18	7.15	1704.7	1704.7	0.02	56.37	-100.9	
APW15	10/10/2023	13:13	1313	21		15	59	7.14	1705.4	1705.4	0.01	57.21	-103	
APW15	10/10/2023	13:16	1316	21		15	59	7.13	1704.9	1704.9	0	56.34	-104.5	

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-020A														
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	10/10/2023	12:33	1233	40.61		13.4	56.12	7.53	1074.3	1074.3	1.8	3.44	-3.4		
APW16	10/10/2023	12:36	1236	40.61		13.3	55.94	7.46	1090.1	1090.1	0.49	1.91	-54		
APW16	10/10/2023	12:39	1239	40.61		13.2	55.76	7.45	1093.6	1093.6	0.25	1.44	-69.5		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023													
LIMS Workorder	2091794-021A													
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	10/10/2023	11:20	1120	41.58		13.9	57.02	7.53	984.7	984.7	1.3	11.08	-33.6	
APW17	10/10/2023	11:23	1123	41.58		13.8	56.84	7.5	993.4	993.4	0.48	13.04	-62.3	
APW17	10/10/2023	11:26	1126	41.58		13.7	56.66	7.49	993.4	993.4	0.27	7.53	-73.1	

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023														
LIMS Workorder	2091794-022A														
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	10/10/2023	10:39	1039	52.08		13.7	56.66	8.74	869.2	869.2	1.33	7.96	-85.3		
APW18	10/10/2023	10:42	1042	52.08		13.6	56.48	8.27	867.3	867.3	0.38	7.21	-83.6		
APW18	10/10/2023	10:45	1045	52.08		13.5	56.3	8.05	865.8	865.8	0.22	8.53	-99.7		

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 4, 2023
 NEWTON POWER PLANT, PRIMARY ASH POND
 NEW-845-501

Site Sampling Event	Newton 4Q 2023													
LIMS Workorder	2091794-102A													
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)
APW02DUP	10/10/2023	11:50	1150	8.14		17	62.6	6.68	4454.7	4454.7	0.32	16.98	6.7	
APW02DUP	10/10/2023	11:53	1153	8.14		17	62.6	6.68	4414.2	4414.2	0.28	8.94	9.2	
APW02DUP	10/10/2023	11:56	1156	8.14		17.3	63.14	6.68	4385.5	4385.5	0.28	6.43	11.1	

Field Calibration Log

Field Temp SOP 1156 - SM 2550 B
 Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
 Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: 49551
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.00	10/10/23 8:39
7.0 Buffer	wc230616f	7.01	10/10/23 8:43
10.0 Buffer	wc230504c	10.00	10/10/23 8:47
LCS (7.0 Buffer)	wc230504b		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1,409	10/10/23 8:52

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/10/23 8:55	18.5	7.01	1,412	
ccv	10/10/23 15:38	18.7	7.02	1,423	

Field Meter ID: 49551
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.00	10/11/23 8:28
7.0 Buffer	wc230616f	7.02	10/11/23 8:33
10.0 Buffer	wc230504c	9.99	10/11/23 8:38
LCS (7.0 Buffer)	wc230504b		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1,415	10/11/23 8:43

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/11/23 8:45	18.9	7.02	1,418	
ccv	10/11/23 16:23	20.1	7.03	1,429	

Field Meter ID: 49551
 Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.01	10/12/23 8:17
7.0 Buffer	wc230616f	7.02	10/12/23 8:21
10.0 Buffer	wc230504c	9.98	10/12/23 8:25
LCS (7.0 Buffer)	wc230504b		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1,405	10/12/23 8:29

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/12/23 8:32	18.2	7.02	1,410	
ccv	10/12/23 13:32	19.7	7.04	1,438	

Field Calibration Log

Field Temp SOP 1156 - SM 2550 B
 Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
 Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 49331
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	10/10/23 8:52
7.0 Buffer	WC230616F	7.00	10/10/23 8:54
10.0 Buffer	WC230504C	10.00	10/10/23 8:59
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1,413	10/10/23 9:01

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/10/23 9:05	11.5	7.01	1,413	
ccv	10/10/23 15:45	18.7	7.05	1,418	

Field Meter ID: Pine 49331
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	10/11/23 8:44
7.0 Buffer	WC230616F	7.00	10/11/23 8:50
10.0 Buffer	WC230504C	10.00	10/11/23 8:57
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1,412	10/11/23 8:57

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/11/23 9:06	11.7	7.07	1,412	
ccv	10/11/23 16:13	21.4	7.03	1,446	

Field Meter ID: Pine 49331
 Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	10/12/23 8:48
7.0 Buffer	WC230616F	7.04	10/12/23 8:50
10.0 Buffer	WC230504C	10.02	10/12/23 8:51
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1,412	10/12/23 8:53

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	10/12/23 8:54	19.5	7.06	1,413	
ccv	10/12/23 14:40	24.2	7.02	1,453	

**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 4, 2023**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023
845 QUARTERLY REPORT
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	E003	Antimony, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW02	UD	E003	Arsenic, total	mg/L	02/17/21 - 10/10/23	12	75	CI around median	0.001	0.0590
APW02	UD	E003	Barium, total	mg/L	02/17/21 - 10/10/23	12	0	CI around mean	0.00985	0.300
APW02	UD	E003	Beryllium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW02	UD	E003	Boron, total	mg/L	02/17/21 - 10/10/23	12	0	CI around geomean	0.111	0.260
APW02	UD	E003	Cadmium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW02	UD	E003	Chloride, total	mg/L	02/17/21 - 10/10/23	12	0	CI around mean	100	52.0
APW02	UD	E003	Chromium, total	mg/L	02/17/21 - 10/10/23	12	83	CI around median	0.0022	0.0110
APW02	UD	E003	Cobalt, total	mg/L	02/17/21 - 10/10/23	12	92	CI around median	0.0016	0.00430
APW02	UD	E003	Fluoride, total	mg/L	02/17/21 - 10/10/23	12	83	CI around median	0.23	0.633
APW02	UD	E003	Lead, total	mg/L	02/17/21 - 10/10/23	12	92	CI around median	0.001	0.00740
APW02	UD	E003	Lithium, total	mg/L	02/17/21 - 10/10/23	12	0	CI around geomean	0.0954	0.0300
APW02	UD	E003	Mercury, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.0002	0.0002
APW02	UD	E003	Molybdenum, total	mg/L	02/17/21 - 10/10/23	11	54	CI around median	0.001	0.0180
APW02	UD	E003	pH (field)	SU	02/17/21 - 10/10/23	18	0	CI around mean	6.7/6.8	6.4/7.8
APW02	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/10/23	11	0	CI around mean	0.323	6.90
APW02	UD	E003	Selenium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW02	UD	E003	Sulfate, total	mg/L	02/17/21 - 10/10/23	12	0	CI around median	2,860	35.8
APW02	UD	E003	Thallium, total	mg/L	02/17/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW02	UD	E003	Total Dissolved Solids	mg/L	02/17/21 - 10/10/23	18	0	CI around median	5,000	628
APW03	UD	E003	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW03	UD	E003	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.0590
APW03	UD	E003	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.0651	0.300
APW03	UD	E003	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW03	UD	E003	Boron, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.387	0.260
APW03	UD	E003	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW03	UD	E003	Chloride, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	7.43	52.0

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APW03	UD	E003	Chromium, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.003	0.0110
APW03	UD	E003	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.00430
APW03	UD	E003	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	75	CI around median	0.25	0.633
APW03	UD	E003	Lead, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.001	0.00740
APW03	UD	E003	Lithium, total	mg/L	02/18/21 - 10/10/23	12	33	CI around mean	0.0116	0.0300
APW03	UD	E003	Mercury, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.0002	0.0002
APW03	UD	E003	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	27	CI around mean	0.0011	0.0180
APW03	UD	E003	pH (field)	SU	02/18/21 - 10/10/23	18	0	CI around mean	6.8/7.2	6.4/7.8
APW03	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around mean	0.227	6.90
APW03	UD	E003	Selenium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW03	UD	E003	Sulfate, total	mg/L	02/18/21 - 10/10/23	12	0	CB around linear reg	91.3	35.8
APW03	UD	E003	Thallium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW03	UD	E003	Total Dissolved Solids	mg/L	02/18/21 - 10/10/23	18	0	CI around mean	627	628
APW04	UD	E003	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW04	UD	E003	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	50	CI around median	0.001	0.0590
APW04	UD	E003	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.019	0.300
APW04	UD	E003	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW04	UD	E003	Boron, total	mg/L	02/18/21 - 10/10/23	12	0	CI around median	0.024	0.260
APW04	UD	E003	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.001	0.001
APW04	UD	E003	Chloride, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	30.2	52.0
APW04	UD	E003	Chromium, total	mg/L	02/18/21 - 10/10/23	12	75	CI around median	0.004	0.0110
APW04	UD	E003	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.00430
APW04	UD	E003	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.2	0.633
APW04	UD	E003	Lead, total	mg/L	02/18/21 - 10/10/23	12	67	CI around median	0.001	0.00740
APW04	UD	E003	Lithium, total	mg/L	02/18/21 - 10/10/23	12	25	CI around median	0.02	0.0300
APW04	UD	E003	Mercury, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.0002	0.0002
APW04	UD	E003	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	91	CI around median	0.001	0.0180

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APW04	UD	E003	pH (field)	SU	02/18/21 - 10/10/23	18	0	CI around geomean	6.6/7.2	6.4/7.8
APW04	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around mean	0.165	6.90
APW04	UD	E003	Selenium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW04	UD	E003	Sulfate, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	832	35.8
APW04	UD	E003	Thallium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW04	UD	E003	Total Dissolved Solids	mg/L	02/18/21 - 10/10/23	18	0	CI around mean	1,720	628
APW05S	UD	E003	Antimony, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.003
APW05S	UD	E003	Arsenic, total	mg/L	02/17/21 - 10/10/23	11	36	CI around mean	0.00107	0.0590
APW05S	UD	E003	Barium, total	mg/L	02/17/21 - 10/10/23	11	0	CI around geomean	0.0396	0.300
APW05S	UD	E003	Beryllium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.001
APW05S	UD	E003	Boron, total	mg/L	02/17/21 - 10/10/23	11	0	CI around median	0.039	0.260
APW05S	UD	E003	Cadmium, total	mg/L	02/17/21 - 10/10/23	11	91	CI around median	0.001	0.001
APW05S	UD	E003	Chloride, total	mg/L	02/17/21 - 10/10/23	11	0	CI around geomean	143	52.0
APW05S	UD	E003	Chromium, total	mg/L	02/17/21 - 10/10/23	11	82	CI around median	0.0026	0.0110
APW05S	UD	E003	Cobalt, total	mg/L	02/17/21 - 10/10/23	11	36	CI around geomean	0.000958	0.00430
APW05S	UD	E003	Fluoride, total	mg/L	02/17/21 - 10/10/23	11	0	CI around mean	0.361	0.633
APW05S	UD	E003	Lead, total	mg/L	02/17/21 - 10/10/23	11	91	CI around median	0.001	0.00740
APW05S	UD	E003	Lithium, total	mg/L	02/17/21 - 10/10/23	11	0	CI around median	0.033	0.0300
APW05S	UD	E003	Mercury, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.0002	0.0002
APW05S	UD	E003	Molybdenum, total	mg/L	02/17/21 - 10/10/23	10	10	CI around mean	0.000892	0.0180
APW05S	UD	E003	pH (field)	SU	02/17/21 - 10/10/23	11	0	CI around mean	6.7/6.9	6.4/7.8
APW05S	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/10/23	10	0	CI around geomean	0.177	6.90
APW05S	UD	E003	Selenium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.001	0.001
APW05S	UD	E003	Sulfate, total	mg/L	02/17/21 - 10/10/23	11	0	CI around median	640	35.8
APW05S	UD	E003	Thallium, total	mg/L	02/17/21 - 10/10/23	11	100	All ND - Last	0.002	0.001
APW05S	UD	E003	Total Dissolved Solids	mg/L	02/17/21 - 10/10/23	11	0	CI around mean	3,360	628
APW07	UA	E003	Antimony, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.003

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APW07	UA	E003	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0141	0.0590
APW07	UA	E003	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CB around T-S line	0.515	0.300
APW07	UA	E003	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.001
APW07	UA	E003	Boron, total	mg/L	12/15/15 - 10/10/23	24	0	CI around geomean	0.0745	0.260
APW07	UA	E003	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.001
APW07	UA	E003	Chloride, total	mg/L	12/15/15 - 10/10/23	27	0	CB around T-S line	55.2	52.0
APW07	UA	E003	Chromium, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.004	0.0110
APW07	UA	E003	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	85	CI around median	0.002	0.00430
APW07	UA	E003	Fluoride, total	mg/L	12/15/15 - 10/10/23	24	4	CI around mean	0.366	0.633
APW07	UA	E003	Lead, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.001	0.00740
APW07	UA	E003	Lithium, total	mg/L	12/15/15 - 10/10/23	14	93	CI around median	0.01	0.0300
APW07	UA	E003	Mercury, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.0002	0.0002
APW07	UA	E003	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CB around linear reg	-0.00235	0.0180
APW07	UA	E003	pH (field)	SU	12/15/15 - 10/10/23	26	0	CI around mean	7.2/7.3	6.4/7.8
APW07	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CB around linear reg	1.69	6.90
APW07	UA	E003	Selenium, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.001	0.001
APW07	UA	E003	Sulfate, total	mg/L	12/15/15 - 10/10/23	25	16	CB around T-S line	9.72	35.8
APW07	UA	E003	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.001
APW07	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 10/10/23	24	0	CB around T-S line	529	628
APW08	UA	E003	Antimony, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.003
APW08	UA	E003	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0225	0.0590
APW08	UA	E003	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.485	0.300
APW08	UA	E003	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.001
APW08	UA	E003	Boron, total	mg/L	12/15/15 - 10/10/23	24	0	CI around geomean	0.0818	0.260
APW08	UA	E003	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.001
APW08	UA	E003	Chloride, total	mg/L	12/15/15 - 10/10/23	26	0	CI around mean	54.9	52.0
APW08	UA	E003	Chromium, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.004	0.0110

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APW08	UA	E003	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	77	CI around median	0.002	0.00430
APW08	UA	E003	Fluoride, total	mg/L	12/15/15 - 10/10/23	24	8	CI around median	0.393	0.633
APW08	UA	E003	Lead, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.001	0.00740
APW08	UA	E003	Lithium, total	mg/L	12/15/15 - 10/10/23	14	71	CI around median	0.01	0.0300
APW08	UA	E003	Mercury, total	mg/L	12/15/15 - 10/10/23	14	100	All ND - Last	0.0002	0.0002
APW08	UA	E003	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CI around mean	0.00471	0.0180
APW08	UA	E003	pH (field)	SU	12/15/15 - 10/10/23	27	0	CI around mean	7.2/7.4	6.4/7.8
APW08	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CI around mean	1.06	6.90
APW08	UA	E003	Selenium, total	mg/L	12/15/15 - 10/10/23	14	93	CI around median	0.001	0.001
APW08	UA	E003	Sulfate, total	mg/L	12/15/15 - 10/10/23	26	0	CB around linear reg	46.7	35.8
APW08	UA	E003	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.001
APW08	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 10/10/23	24	0	CB around linear reg	592	628
APW09	UA	E003	Antimony, total	mg/L	12/15/15 - 10/10/23	13	92	CI around median	0.003	0.003
APW09	UA	E003	Arsenic, total	mg/L	12/15/15 - 10/10/23	14	0	CB around linear reg	0.0187	0.0590
APW09	UA	E003	Barium, total	mg/L	12/15/15 - 10/10/23	14	0	CI around mean	0.301	0.300
APW09	UA	E003	Beryllium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.001
APW09	UA	E003	Boron, total	mg/L	12/15/15 - 10/10/23	24	0	CB around T-S line	0.0835	0.260
APW09	UA	E003	Cadmium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.001	0.001
APW09	UA	E003	Chloride, total	mg/L	12/15/15 - 10/10/23	26	0	CI around median	95	52.0
APW09	UA	E003	Chromium, total	mg/L	12/15/15 - 10/10/23	14	64	CI around median	0.004	0.0110
APW09	UA	E003	Cobalt, total	mg/L	12/15/15 - 10/10/23	13	92	CI around median	0.002	0.00430
APW09	UA	E003	Fluoride, total	mg/L	12/15/15 - 10/10/23	25	4	CI around mean	0.457	0.633
APW09	UA	E003	Lead, total	mg/L	12/15/15 - 10/10/23	14	57	CI around median	0.001	0.00740
APW09	UA	E003	Lithium, total	mg/L	12/15/15 - 10/10/23	14	86	CI around median	0.01	0.0300
APW09	UA	E003	Mercury, total	mg/L	12/15/15 - 10/10/23	14	86	CI around median	0.0002	0.0002
APW09	UA	E003	Molybdenum, total	mg/L	12/15/15 - 10/10/23	13	0	CB around linear reg	-0.00379	0.0180
APW09	UA	E003	pH (field)	SU	12/15/15 - 10/10/23	26	0	CI around median	7.4/7.5	6.4/7.8

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APW09	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/15/15 - 10/10/23	14	0	CI around geomean	0.83	6.90
APW09	UA	E003	Selenium, total	mg/L	12/15/15 - 10/10/23	14	93	CI around median	0.001	0.001
APW09	UA	E003	Sulfate, total	mg/L	12/15/15 - 10/10/23	26	8	CI around geomean	5.02	35.8
APW09	UA	E003	Thallium, total	mg/L	12/15/15 - 10/10/23	13	100	All ND - Last	0.002	0.001
APW09	UA	E003	Total Dissolved Solids	mg/L	12/15/15 - 10/10/23	25	0	CB around T-S line	775	628
APW10	UA	E003	Antimony, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.003
APW10	UA	E003	Arsenic, total	mg/L	12/16/15 - 10/10/23	16	0	CI around mean	0.00635	0.0590
APW10	UA	E003	Barium, total	mg/L	12/16/15 - 10/10/23	16	0	CI around mean	0.0296	0.300
APW10	UA	E003	Beryllium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.001
APW10	UA	E003	Boron, total	mg/L	12/16/15 - 10/10/23	26	0	CI around mean	0.0716	0.260
APW10	UA	E003	Cadmium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.001	0.001
APW10	UA	E003	Chloride, total	mg/L	12/16/15 - 10/10/23	27	0	CI around mean	45.3	52.0
APW10	UA	E003	Chromium, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.0015	0.0110
APW10	UA	E003	Cobalt, total	mg/L	12/16/15 - 10/10/23	15	93	CI around median	0.002	0.00430
APW10	UA	E003	Fluoride, total	mg/L	12/16/15 - 10/10/23	26	19	CI around mean	0.3	0.633
APW10	UA	E003	Lead, total	mg/L	12/16/15 - 10/10/23	16	88	CI around median	0.001	0.00740
APW10	UA	E003	Lithium, total	mg/L	12/16/15 - 10/10/23	16	6	CB around linear reg	0.0143	0.0300
APW10	UA	E003	Mercury, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.0002	0.0002
APW10	UA	E003	Molybdenum, total	mg/L	12/16/15 - 10/10/23	15	0	CB around linear reg	0.00579	0.0180
APW10	UA	E003	pH (field)	SU	12/16/15 - 10/10/23	29	0	CB around linear reg	7.2/7.5	6.4/7.8
APW10	UA	E003	Radium 226 + Radium 228, total	pCi/L	12/16/15 - 10/10/23	16	0	CI around mean	0.477	6.90
APW10	UA	E003	Selenium, total	mg/L	12/16/15 - 10/10/23	16	100	All ND - Last	0.001	0.001
APW10	UA	E003	Sulfate, total	mg/L	12/16/15 - 10/10/23	28	0	CI around median	410	35.8
APW10	UA	E003	Thallium, total	mg/L	12/16/15 - 10/10/23	15	100	All ND - Last	0.002	0.001
APW10	UA	E003	Total Dissolved Solids	mg/L	12/16/15 - 10/10/23	28	0	CB around linear reg	1,030	628
APW11	UA	E003	Antimony, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW11	UA	E003	Arsenic, total	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	0.00208	0.0590

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APW11	UA	E003	Barium, total	mg/L	02/18/21 - 10/10/23	12	0	CB around T-S line	-0.246	0.300
APW11	UA	E003	Beryllium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW11	UA	E003	Boron, total	mg/L	02/18/21 - 10/10/23	12	0	CB around T-S line	-0.0992	0.260
APW11	UA	E003	Cadmium, total	mg/L	02/18/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW11	UA	E003	Chloride, total	mg/L	02/18/21 - 10/10/23	12	0	CI around median	25	52.0
APW11	UA	E003	Chromium, total	mg/L	02/18/21 - 10/10/23	12	67	CI around median	0.0039	0.0110
APW11	UA	E003	Cobalt, total	mg/L	02/18/21 - 10/10/23	12	67	CI around median	0.0013	0.00430
APW11	UA	E003	Fluoride, total	mg/L	02/18/21 - 10/10/23	12	42	CI around mean	0.258	0.633
APW11	UA	E003	Lead, total	mg/L	02/18/21 - 10/10/23	12	58	CI around median	0.001	0.00740
APW11	UA	E003	Lithium, total	mg/L	02/18/21 - 10/10/23	12	8	CI around mean	0.018	0.0300
APW11	UA	E003	Mercury, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.0002	0.0002
APW11	UA	E003	Molybdenum, total	mg/L	02/18/21 - 10/10/23	11	0	CI around median	0.0043	0.0180
APW11	UA	E003	pH (field)	SU	02/18/21 - 10/10/23	12	0	CI around median	6.6/7.4	6.4/7.8
APW11	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/18/21 - 10/10/23	11	0	CI around geomean	0.56	6.90
APW11	UA	E003	Selenium, total	mg/L	02/18/21 - 10/10/23	12	83	CI around median	0.001	0.001
APW11	UA	E003	Sulfate, total	mg/L	02/18/21 - 10/10/23	12	0	CI around median	260	35.8
APW11	UA	E003	Thallium, total	mg/L	02/18/21 - 10/10/23	12	92	CI around median	0.001	0.001
APW11	UA	E003	Total Dissolved Solids	mg/L	02/18/21 - 10/10/23	12	0	CI around mean	815	628
APW12	UD	E003	Antimony, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.003
APW12	UD	E003	Arsenic, total	mg/L	02/17/21 - 10/11/23	12	17	CI around mean	0.0012	0.0590
APW12	UD	E003	Barium, total	mg/L	02/17/21 - 10/11/23	12	0	CB around linear reg	0.0187	0.300
APW12	UD	E003	Beryllium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.001
APW12	UD	E003	Boron, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	0.196	0.260
APW12	UD	E003	Cadmium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.001
APW12	UD	E003	Chloride, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	22	52.0
APW12	UD	E003	Chromium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.0015	0.0110
APW12	UD	E003	Cobalt, total	mg/L	02/17/21 - 10/11/23	12	17	CB around linear reg	-0.00141	0.00430

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW12	UD	E003	Fluoride, total	mg/L	02/17/21 - 10/11/23	12	83	CI around median	0.22	0.633
APW12	UD	E003	Lead, total	mg/L	02/17/21 - 10/11/23	12	92	CI around median	0.001	0.00740
APW12	UD	E003	Lithium, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	0.0252	0.0300
APW12	UD	E003	Mercury, total	mg/L	02/17/21 - 10/11/23	12	92	CI around median	0.0002	0.0002
APW12	UD	E003	Molybdenum, total	mg/L	02/17/21 - 10/11/23	11	54	CI around median	0.001	0.0180
APW12	UD	E003	pH (field)	SU	02/17/21 - 10/11/23	12	0	CI around mean	6.2/6.5	6.4/7.8
APW12	UD	E003	Radium 226 + Radium 228, total	pCi/L	02/17/21 - 10/11/23	11	0	CI around mean	0.162	6.90
APW12	UD	E003	Selenium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.001	0.001
APW12	UD	E003	Sulfate, total	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	290	35.8
APW12	UD	E003	Thallium, total	mg/L	02/17/21 - 10/11/23	12	100	All ND - Last	0.002	0.001
APW12	UD	E003	Total Dissolved Solids	mg/L	02/17/21 - 10/11/23	12	0	CI around mean	1,190	628
APW13	UA	E003	Antimony, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW13	UA	E003	Arsenic, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.00341	0.0590
APW13	UA	E003	Barium, total	mg/L	02/22/21 - 10/10/23	12	0	CI around geomean	0.0501	0.300
APW13	UA	E003	Beryllium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW13	UA	E003	Boron, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.106	0.260
APW13	UA	E003	Cadmium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW13	UA	E003	Chloride, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	47.1	52.0
APW13	UA	E003	Chromium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0015	0.0110
APW13	UA	E003	Cobalt, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.00430
APW13	UA	E003	Fluoride, total	mg/L	02/22/21 - 10/10/23	12	8	CI around mean	0.312	0.633
APW13	UA	E003	Lead, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.00740
APW13	UA	E003	Lithium, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	0.0079	0.0300
APW13	UA	E003	Mercury, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0002	0.0002
APW13	UA	E003	Molybdenum, total	mg/L	02/22/21 - 10/10/23	11	0	CB around linear reg	0.00174	0.0180
APW13	UA	E003	pH (field)	SU	02/22/21 - 10/10/23	12	0	CI around median	6.9/7.3	6.4/7.8
APW13	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/10/23	11	0	CI around mean	0.344	6.90

ATTACHMENT C.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW13	UA	E003	Selenium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW13	UA	E003	Sulfate, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	227	35.8
APW13	UA	E003	Thallium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW13	UA	E003	Total Dissolved Solids	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	815	628
APW14	UA	E003	Antimony, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW14	UA	E003	Arsenic, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.00561	0.0590
APW14	UA	E003	Barium, total	mg/L	02/22/21 - 10/10/23	12	0	CB around linear reg	0.0378	0.300
APW14	UA	E003	Beryllium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW14	UA	E003	Boron, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	0.0946	0.260
APW14	UA	E003	Cadmium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW14	UA	E003	Chloride, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	41.6	52.0
APW14	UA	E003	Chromium, total	mg/L	02/22/21 - 10/10/23	12	83	CB around T-S line	0.000409	0.0110
APW14	UA	E003	Cobalt, total	mg/L	02/22/21 - 10/10/23	12	92	CB around T-S line	0.000846	0.00430
APW14	UA	E003	Fluoride, total	mg/L	02/22/21 - 10/10/23	12	25	CI around mean	0.277	0.633
APW14	UA	E003	Lead, total	mg/L	02/22/21 - 10/10/23	12	75	CI around median	0.001	0.00740
APW14	UA	E003	Lithium, total	mg/L	02/22/21 - 10/10/23	12	17	CB around linear reg	0.00367	0.0300
APW14	UA	E003	Mercury, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.0002	0.0002
APW14	UA	E003	Molybdenum, total	mg/L	02/22/21 - 10/10/23	11	0	CB around linear reg	-0.000924	0.0180
APW14	UA	E003	pH (field)	SU	02/22/21 - 10/10/23	12	0	CI around median	7.0/7.5	6.4/7.8
APW14	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/22/21 - 10/10/23	11	0	CI around mean	0.431	6.90
APW14	UA	E003	Selenium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW14	UA	E003	Sulfate, total	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	319	35.8
APW14	UA	E003	Thallium, total	mg/L	02/22/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW14	UA	E003	Total Dissolved Solids	mg/L	02/22/21 - 10/10/23	12	0	CI around mean	908	628
APW15	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW15	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.017	0.0590
APW15	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.565	0.300

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW15	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW15	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.125	0.260
APW15	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW15	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	227	52.0
APW15	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	67	CI around median	0.004	0.0110
APW15	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	67	CI around median	0.0016	0.00430
APW15	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around geomean	0.55	0.633
APW15	UA	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	42	CI around median	0.001	0.00740
APW15	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	67	CI around median	0.0073	0.0300
APW15	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.0002
APW15	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CB around linear reg	0.00127	0.0180
APW15	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around median	6.9/7.3	6.4/7.8
APW15	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	1.59	6.90
APW15	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW15	UA	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	1	35.8
APW15	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW15	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	1,040	628
APW16	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW16	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.00912	0.0590
APW16	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.559	0.300
APW16	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW16	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.129	0.260
APW16	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW16	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	66	52.0
APW16	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0015	0.0110
APW16	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.00430
APW16	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.629	0.633

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW16	UA	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.00740
APW16	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.003	0.0300
APW16	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.0002
APW16	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	54	CI around median	0.001	0.0180
APW16	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around mean	7.2/7.5	6.4/7.8
APW16	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around geomean	1.37	6.90
APW16	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW16	UA	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	1	35.8
APW16	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW16	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around median	665	628
APW17	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.003
APW17	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	0	CB around linear reg	0.0256	0.0590
APW17	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.566	0.300
APW17	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW17	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.083	0.260
APW17	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001
APW17	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	46.3	52.0
APW17	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0015	0.0110
APW17	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.00430
APW17	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.427	0.633
APW17	UA	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.00740
APW17	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.003	0.0300
APW17	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.0002	0.0002
APW17	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CI around median	0.0048	0.0180
APW17	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around mean	7.2/7.5	6.4/7.8
APW17	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	0.915	6.90
APW17	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.001	0.001

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NEWTON, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
APW17	UA	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	8	CB around T-S line	48.1	35.8
APW17	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	100	All ND - Last	0.002	0.001
APW17	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	638	628
APW18	UA	E003	Antimony, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.003
APW18	UA	E003	Arsenic, total	mg/L	02/23/21 - 10/10/23	12	8	CI around mean	0.00165	0.0590
APW18	UA	E003	Barium, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.33	0.300
APW18	UA	E003	Beryllium, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.001
APW18	UA	E003	Boron, total	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	0.104	0.260
APW18	UA	E003	Cadmium, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.001
APW18	UA	E003	Chloride, total	mg/L	02/23/21 - 10/10/23	12	0	CB around T-S line	-150	52.0
APW18	UA	E003	Chromium, total	mg/L	02/23/21 - 10/10/23	12	75	CB around T-S line	-0.023	0.0110
APW18	UA	E003	Cobalt, total	mg/L	02/23/21 - 10/10/23	12	75	CB around T-S line	-0.00108	0.00430
APW18	UA	E003	Fluoride, total	mg/L	02/23/21 - 10/10/23	12	0	CI around median	0.518	0.633
APW18	UA	E003	Lead, total	mg/L	02/23/21 - 10/10/23	12	50	CI around geomean	0.00107	0.00740
APW18	UA	E003	Lithium, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	0.0052	0.0300
APW18	UA	E003	Mercury, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.0002	0.0002
APW18	UA	E003	Molybdenum, total	mg/L	02/23/21 - 10/10/23	11	0	CB around linear reg	-0.0139	0.0180
APW18	UA	E003	pH (field)	SU	02/23/21 - 10/10/23	12	0	CI around mean	7.5/7.8	6.4/7.8
APW18	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/23/21 - 10/10/23	11	0	CI around mean	1.43	6.90
APW18	UA	E003	Selenium, total	mg/L	02/23/21 - 10/10/23	12	92	CI around median	0.001	0.001
APW18	UA	E003	Sulfate, total	mg/L	02/23/21 - 10/10/23	12	17	CI around geomean	2.35	35.8
APW18	UA	E003	Thallium, total	mg/L	02/23/21 - 10/10/23	12	83	CI around median	0.001	0.001
APW18	UA	E003	Total Dissolved Solids	mg/L	02/23/21 - 10/10/23	12	0	CI around mean	520	628

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 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