



Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

July 19, 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: Baldwin Power Plant Bottom Ash Pond; IEPA ID # W1578510001-06

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.610(b)(3)(D), Dynegy Midwest Generation, LLC is submitting groundwater monitoring data for the Quarter 2, 2024 sampling event at the Baldwin Power Plant Bottom Ash Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1578510001-06. 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 July 9, 2024, for the exceedance of the lithium GWPS detected during the Quarter 1, 2024 sampling event. A lithium exceedance was detected during the Quarter 2, 2024 sampling event in the same monitoring well identified in the Quarter 1, 2024 ASD. Upon IEPA concurrence with the ASD, groundwater monitoring will continue in accordance with 35 I.A.C. § 845.650(e)(5).

An exceedance of the fluoride GWPS was detected at monitoring well location MW-392 during the Quarter 2, 2024 sampling event. As allowed in 35 I.A.C. § 845.650(e), an ASD will be evaluated for the detected exceedance of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

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

Phil Morris, PE
Senior Director, Environmental

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 2, 2024, Bottom Ash Pond, Baldwin Power Plant, Baldwin, Illinois

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

July 19, 2024

Samples were collected between April 16 and 18, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on May 20, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2024 sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 2, 2024 sampling event.

On April 9, 2024, the Illinois Environmental Protection Agency (IEPA) approved¹ the March 14, 2024 work plan² to abandon background monitoring well MW-306, which was suspected to have grout contamination. Due to the suspected contamination, this well was not sampled in Quarter 2, 2024. Monitoring well MW-306 was abandoned in May 2024. Groundwater Monitoring Plan (GMP) revisions are in progress which will incorporate the recalculated background values.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the GMP³ provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 2, 2024 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

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

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) was submitted on July 9, 2024⁴, for the exceedance of the lithium GWPS detected during the Quarter 1, 2024 sampling event. A lithium exceedance was detected during the Quarter 2, 2024 sampling event in the same monitoring well identified in the Quarter 1, 2024 ASD. Upon IEPA concurrence with the ASD, groundwater monitoring will continue in accordance with 35 I.A.C. § 845.650(e)(5).

An exceedance of the fluoride GWPS was detected at monitoring well location MW-392 during the Quarter 2, 2024 sampling event. As allowed in 35 I.A.C. § 845.650(e), an ASD will be evaluated for the detected

¹ Illinois Environmental Protection Agency (IEPA), 2024. Re: Baldwin Power Plant Fly Ash Pond System; ID 578510001-01, -02, -03; Approval of Groundwater Well Abandonment and Replacement. April 9, 2024.

² Ramboll, 2024. Work Plan for Well Abandonment, Well Replacement, and Revision to the Groundwater Monitoring Plan. March 14, 2024.

³ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. Groundwater Monitoring Plan Revision 1. Baldwin Power Plant, Bottom Ash Pond, Baldwin, Illinois. Dynegy Midwest Generation, LLC. August 1, 2023.

⁴ Geosyntec Consultants, Inc. (Geosyntec), 2024. Alternative Source Demonstration. Baldwin Power Plant Bottom Ash Pond, (Unit ID #601), Prepared for Dynegy Midwest Generation, LLC. July 9, 2024.

exceedance of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

TABLES

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

FIGURES

Figure 1	Monitoring Well Location Map
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ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 2, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 2, 2024
Attachment C	Comparison of Statistical Results to Background - Quarter 2, 2024

TABLES

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E005	04/16/2024	Antimony, total	0.0005 J	mg/L
MW-304	Background	E005	04/16/2024	Arsenic, total	0.00280	mg/L
MW-304	Background	E005	04/16/2024	Barium, total	0.0199	mg/L
MW-304	Background	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E005	04/16/2024	Boron, total	1.70	mg/L
MW-304	Background	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E005	04/16/2024	Calcium, total	13.0	mg/L
MW-304	Background	E005	04/16/2024	Chloride, total	161	mg/L
MW-304	Background	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-304	Background	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E005	04/16/2024	Dissolved Oxygen	0.210	mg/L
MW-304	Background	E005	04/16/2024	Fluoride, total	1.69	mg/L
MW-304	Background	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-304	Background	E005	04/16/2024	Lithium, total	0.0823	mg/L
MW-304	Background	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-304	Background	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-304	Background	E005	04/16/2024	Oxidation Reduction Potential	44.0	mV
MW-304	Background	E005	04/16/2024	pH (field)	7.8	SU
MW-304	Background	E005	04/16/2024	Radium 226 + Radium 228, total	1.01	pCi/L
MW-304	Background	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-304	Background	E005	04/16/2024	Specific Conductance @ 25C (field)	2,460	micromhos/cm
MW-304	Background	E005	04/16/2024	Sulfate, total	195	mg/L
MW-304	Background	E005	04/16/2024	Temperature	17.3	degrees C
MW-304	Background	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-304	Background	E005	04/16/2024	Total Dissolved Solids	1,340	mg/L
MW-304	Background	E005	04/16/2024	Turbidity, field	7.10	NTU
MW-358	Background	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
MW-358	Background	E005	04/17/2024	Arsenic, total	0.00140	mg/L
MW-358	Background	E005	04/17/2024	Barium, total	0.120	mg/L
MW-358	Background	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E005	04/17/2024	Boron, total	0.277 J+	mg/L
MW-358	Background	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E005	04/17/2024	Calcium, total	59.4	mg/L
MW-358	Background	E005	04/17/2024	Chloride, total	458	mg/L
MW-358	Background	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
MW-358	Background	E005	04/17/2024	Cobalt, total	0.0003 J	mg/L
MW-358	Background	E005	04/17/2024	Dissolved Oxygen	0.540	mg/L
MW-358	Background	E005	04/17/2024	Fluoride, total	1.53	mg/L
MW-358	Background	E005	04/17/2024	Lead, total	0.0006 U	mg/L
MW-358	Background	E005	04/17/2024	Lithium, total	0.0425	mg/L
MW-358	Background	E005	04/17/2024	Mercury, total	0.00011 J	mg/L
MW-358	Background	E005	04/17/2024	Molybdenum, total	0.00440 J+	mg/L
MW-358	Background	E005	04/17/2024	Oxidation Reduction Potential	-280	mV
MW-358	Background	E005	04/17/2024	pH (field)	7.7	SU
MW-358	Background	E005	04/17/2024	Radium 226 + Radium 228, total	1.4	pCi/L
MW-358	Background	E005	04/17/2024	Selenium, total	0.0006 U	mg/L

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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-358	Background	E005	04/17/2024	Specific Conductance @ 25C (field)	2,510	micromhos/cm
MW-358	Background	E005	04/17/2024	Sulfate, total	19.0	mg/L
MW-358	Background	E005	04/17/2024	Temperature	16.2	degrees C
MW-358	Background	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-358	Background	E005	04/17/2024	Total Dissolved Solids	1,430	mg/L
MW-358	Background	E005	04/17/2024	Turbidity, field	23.0	NTU
MW-192	Compliance	E005	04/16/2024	Antimony, total	0.00320	mg/L
MW-192	Compliance	E005	04/16/2024	Arsenic, total	0.0005 J	mg/L
MW-192	Compliance	E005	04/16/2024	Barium, total	0.0883	mg/L
MW-192	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E005	04/16/2024	Boron, total	0.0296 J+	mg/L
MW-192	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E005	04/16/2024	Calcium, total	72.4	mg/L
MW-192	Compliance	E005	04/16/2024	Chloride, total	20.0	mg/L
MW-192	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-192	Compliance	E005	04/16/2024	Cobalt, total	0.0006 J	mg/L
MW-192	Compliance	E005	04/16/2024	Dissolved Oxygen	0.810	mg/L
MW-192	Compliance	E005	04/16/2024	Fluoride, total	0.450	mg/L
MW-192	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-192	Compliance	E005	04/16/2024	Lithium, total	0.00390	mg/L
MW-192	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E005	04/16/2024	Molybdenum, total	0.00180 J+	mg/L
MW-192	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-15.0	mV
MW-192	Compliance	E005	04/16/2024	pH (field)	7.0	SU
MW-192	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.0306	pCi/L
MW-192	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	572	micromhos/cm
MW-192	Compliance	E005	04/16/2024	Sulfate, total	14.0 J-	mg/L
MW-192	Compliance	E005	04/16/2024	Temperature	17.3	degrees C
MW-192	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E005	04/16/2024	Total Dissolved Solids	355	mg/L
MW-192	Compliance	E005	04/16/2024	Turbidity, field	5.10	NTU
MW-193	Compliance	E005	04/16/2024	Antimony, total	0.00100 J	mg/L
MW-193	Compliance	E005	04/16/2024	Arsenic, total	0.0005 J	mg/L
MW-193	Compliance	E005	04/16/2024	Barium, total	0.0771	mg/L
MW-193	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E005	04/16/2024	Boron, total	0.0584 J+	mg/L
MW-193	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E005	04/16/2024	Calcium, total	94.3	mg/L
MW-193	Compliance	E005	04/16/2024	Chloride, total	32.0	mg/L
MW-193	Compliance	E005	04/16/2024	Chromium, total	0.0015 UJ	mg/L
MW-193	Compliance	E005	04/16/2024	Cobalt, total	0.0005 J	mg/L
MW-193	Compliance	E005	04/16/2024	Dissolved Oxygen	2.09	mg/L
MW-193	Compliance	E005	04/16/2024	Fluoride, total	0.260	mg/L
MW-193	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E005	04/16/2024	Lithium, total	0.00500	mg/L

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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-193	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-193	Compliance	E005	04/16/2024	Oxidation Reduction Potential	30.0	mV
MW-193	Compliance	E005	04/16/2024	pH (field)	6.8	SU
MW-193	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.892	pCi/L
MW-193	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	706	micromhos/cm
MW-193	Compliance	E005	04/16/2024	Sulfate, total	158	mg/L
MW-193	Compliance	E005	04/16/2024	Temperature	17.8	degrees C
MW-193	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E005	04/16/2024	Total Dissolved Solids	545	mg/L
MW-193	Compliance	E005	04/16/2024	Turbidity, field	8.20	NTU
MW-356	Compliance	E005	04/16/2024	Antimony, total	0.0008 J	mg/L
MW-356	Compliance	E005	04/16/2024	Arsenic, total	0.0007 J	mg/L
MW-356	Compliance	E005	04/16/2024	Barium, total	0.0302	mg/L
MW-356	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E005	04/16/2024	Boron, total	1.87	mg/L
MW-356	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E005	04/16/2024	Calcium, total	15.0	mg/L
MW-356	Compliance	E005	04/16/2024	Chloride, total	34.0	mg/L
MW-356	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-356	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E005	04/16/2024	Dissolved Oxygen	0.790	mg/L
MW-356	Compliance	E005	04/16/2024	Fluoride, total	2.21	mg/L
MW-356	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E005	04/16/2024	Lithium, total	0.0521	mg/L
MW-356	Compliance	E005	04/16/2024	Mercury, total	0.00014 J	mg/L
MW-356	Compliance	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-356	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-72.0	mV
MW-356	Compliance	E005	04/16/2024	pH (field)	7.8	SU
MW-356	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.212	pCi/L
MW-356	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	923	micromhos/cm
MW-356	Compliance	E005	04/16/2024	Sulfate, total	45.0	mg/L
MW-356	Compliance	E005	04/16/2024	Temperature	16.2	degrees C
MW-356	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E005	04/16/2024	Total Dissolved Solids	700	mg/L
MW-356	Compliance	E005	04/16/2024	Turbidity, field	2.00	NTU
MW-369	Compliance	E005	04/16/2024	Antimony, total	0.001 UJ	mg/L
MW-369	Compliance	E005	04/16/2024	Arsenic, total	0.00120	mg/L
MW-369	Compliance	E005	04/16/2024	Barium, total	0.147	mg/L
MW-369	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E005	04/16/2024	Boron, total	0.397	mg/L
MW-369	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E005	04/16/2024	Calcium, total	115	mg/L
MW-369	Compliance	E005	04/16/2024	Chloride, total	80.0	mg/L

TABLE 1.
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845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-369	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-369	Compliance	E005	04/16/2024	Cobalt, total	0.0005 J	mg/L
MW-369	Compliance	E005	04/16/2024	Dissolved Oxygen	0.680	mg/L
MW-369	Compliance	E005	04/16/2024	Fluoride, total	0.970	mg/L
MW-369	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E005	04/16/2024	Lithium, total	0.0192	mg/L
MW-369	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-369	Compliance	E005	04/16/2024	Molybdenum, total	0.00590 J+	mg/L
MW-369	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-47.0	mV
MW-369	Compliance	E005	04/16/2024	pH (field)	7.0	SU
MW-369	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.829	pCi/L
MW-369	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	991	micromhos/cm
MW-369	Compliance	E005	04/16/2024	Sulfate, total	123	mg/L
MW-369	Compliance	E005	04/16/2024	Temperature	16.3	degrees C
MW-369	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E005	04/16/2024	Total Dissolved Solids	870	mg/L
MW-369	Compliance	E005	04/16/2024	Turbidity, field	4.50	NTU
MW-370	Compliance	E005	04/16/2024	Antimony, total	0.0004 U	mg/L
MW-370	Compliance	E005	04/16/2024	Arsenic, total	0.0008 J	mg/L
MW-370	Compliance	E005	04/16/2024	Barium, total	0.0415	mg/L
MW-370	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E005	04/16/2024	Boron, total	1.76 J+	mg/L
MW-370	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E005	04/16/2024	Calcium, total	39.5	mg/L
MW-370	Compliance	E005	04/16/2024	Chloride, total	1,460	mg/L
MW-370	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-370	Compliance	E005	04/16/2024	Cobalt, total	0.0002 J	mg/L
MW-370	Compliance	E005	04/16/2024	Dissolved Oxygen	0.810	mg/L
MW-370	Compliance	E005	04/16/2024	Fluoride, total	3.33	mg/L
MW-370	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E005	04/16/2024	Lithium, total	0.170	mg/L
MW-370	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E005	04/16/2024	Molybdenum, total	0.00760	mg/L
MW-370	Compliance	E005	04/16/2024	Oxidation Reduction Potential	20.0	mV
MW-370	Compliance	E005	04/16/2024	pH (field)	7.6	SU
MW-370	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	1.02	pCi/L
MW-370	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	4,470	micromhos/cm
MW-370	Compliance	E005	04/16/2024	Sulfate, total	247	mg/L
MW-370	Compliance	E005	04/16/2024	Temperature	18.4	degrees C
MW-370	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E005	04/16/2024	Total Dissolved Solids	3,170	mg/L
MW-370	Compliance	E005	04/16/2024	Turbidity, field	2.00	NTU
MW-382	Compliance	E005	04/17/2024	Antimony, total	0.0005 J	mg/L
MW-382	Compliance	E005	04/17/2024	Arsenic, total	0.00100	mg/L

TABLE 1.
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845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E005	04/17/2024	Barium, total	0.0177	mg/L
MW-382	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-382	Compliance	E005	04/17/2024	Boron, total	1.71	mg/L
MW-382	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E005	04/17/2024	Calcium, total	27.8	mg/L
MW-382	Compliance	E005	04/17/2024	Chloride, total	33.0	mg/L
MW-382	Compliance	E005	04/17/2024	Chromium, total	0.00610 J+	mg/L
MW-382	Compliance	E005	04/17/2024	Cobalt, total	0.0009 J	mg/L
MW-382	Compliance	E005	04/17/2024	Dissolved Oxygen	0.130	mg/L
MW-382	Compliance	E005	04/17/2024	Fluoride, total	3.04	mg/L
MW-382	Compliance	E005	04/17/2024	Lead, total	0.00180	mg/L
MW-382	Compliance	E005	04/17/2024	Lithium, total	0.0597	mg/L
MW-382	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E005	04/17/2024	Molybdenum, total	0.00240 J+	mg/L
MW-382	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-27.0	mV
MW-382	Compliance	E005	04/17/2024	pH (field)	7.7	SU
MW-382	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	2.18	pCi/L
MW-382	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,790	micromhos/cm
MW-382	Compliance	E005	04/17/2024	Sulfate, total	419	mg/L
MW-382	Compliance	E005	04/17/2024	Temperature	17.2	degrees C
MW-382	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E005	04/17/2024	Total Dissolved Solids	1,120	mg/L
MW-382	Compliance	E005	04/17/2024	Turbidity, field	150	NTU
MW-392	Compliance	E005	04/16/2024	Antimony, total	0.001 UJ	mg/L
MW-392	Compliance	E005	04/16/2024	Arsenic, total	0.0004 J	mg/L
MW-392	Compliance	E005	04/16/2024	Barium, total	0.0521	mg/L
MW-392	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E005	04/16/2024	Boron, total	1.86	mg/L
MW-392	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E005	04/16/2024	Calcium, total	25.0	mg/L
MW-392	Compliance	E005	04/16/2024	Chloride, total	868	mg/L
MW-392	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-392	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-392	Compliance	E005	04/16/2024	Dissolved Oxygen	0.900	mg/L
MW-392	Compliance	E005	04/16/2024	Fluoride, total	4.42	mg/L
MW-392	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E005	04/16/2024	Lithium, total	0.0746	mg/L
MW-392	Compliance	E005	04/16/2024	Mercury, total	0.00006 J	mg/L
MW-392	Compliance	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-392	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-118	mV
MW-392	Compliance	E005	04/16/2024	pH (field)	7.7	SU
MW-392	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.991	pCi/L
MW-392	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	2,690	micromhos/cm
MW-392	Compliance	E005	04/16/2024	Sulfate, total	42.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-392	Compliance	E005	04/16/2024	Temperature	17.5	degrees C
MW-392	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E005	04/16/2024	Total Dissolved Solids	1,860	mg/L
MW-392	Compliance	E005	04/16/2024	Turbidity, field	7.80	NTU
MW-393	Compliance	E005	04/16/2024	Antimony, total	0.0004 U	mg/L
MW-393	Compliance	E005	04/16/2024	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E005	04/16/2024	Barium, total	0.0416	mg/L
MW-393	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E005	04/16/2024	Boron, total	1.83	mg/L
MW-393	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E005	04/16/2024	Calcium, total	7.05	mg/L
MW-393	Compliance	E005	04/16/2024	Chloride, total	779	mg/L
MW-393	Compliance	E005	04/16/2024	Chromium, total	0.0015 UJ	mg/L
MW-393	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E005	04/16/2024	Dissolved Oxygen	0.700	mg/L
MW-393	Compliance	E005	04/16/2024	Fluoride, total	9.22	mg/L
MW-393	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Lithium, total	0.0714	mg/L
MW-393	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Molybdenum, total	0.0006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-166	mV
MW-393	Compliance	E005	04/16/2024	pH (field)	8.2	SU
MW-393	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.25	pCi/L
MW-393	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	3,230	micromhos/cm
MW-393	Compliance	E005	04/16/2024	Sulfate, total	217	mg/L
MW-393	Compliance	E005	04/16/2024	Temperature	17.1	degrees C
MW-393	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E005	04/16/2024	Total Dissolved Solids	2,470	mg/L
MW-393	Compliance	E005	04/16/2024	Turbidity, field	7.60	NTU
MW-394	Compliance	E005	04/16/2024	Antimony, total	0.001 UJ	mg/L
MW-394	Compliance	E005	04/16/2024	Arsenic, total	0.0005 J	mg/L
MW-394	Compliance	E005	04/16/2024	Barium, total	0.0291	mg/L
MW-394	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E005	04/16/2024	Boron, total	1.80	mg/L
MW-394	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E005	04/16/2024	Calcium, total	8.29	mg/L
MW-394	Compliance	E005	04/16/2024	Chloride, total	812	mg/L
MW-394	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-394	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-394	Compliance	E005	04/16/2024	Dissolved Oxygen	0.720	mg/L
MW-394	Compliance	E005	04/16/2024	Fluoride, total	4.92	mg/L
MW-394	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E005	04/16/2024	Lithium, total	0.0656	mg/L
MW-394	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E005	04/16/2024	Molybdenum, total	0.0006 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-394	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-268	mV
MW-394	Compliance	E005	04/16/2024	pH (field)	7.9	SU
MW-394	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.706	pCi/L
MW-394	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	3,240	micromhos/cm
MW-394	Compliance	E005	04/16/2024	Sulfate, total	82.0	mg/L
MW-394	Compliance	E005	04/16/2024	Temperature	16.9	degrees C
MW-394	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E005	04/16/2024	Total Dissolved Solids	2,320	mg/L
MW-394	Compliance	E005	04/16/2024	Turbidity, field	2.80	NTU
OW-256	Compliance	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
OW-256	Compliance	E005	04/17/2024	Arsenic, total	0.0007 J	mg/L
OW-256	Compliance	E005	04/17/2024	Barium, total	0.0886	mg/L
OW-256	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
OW-256	Compliance	E005	04/17/2024	Boron, total	0.156 J+	mg/L
OW-256	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
OW-256	Compliance	E005	04/17/2024	Calcium, total	83.0	mg/L
OW-256	Compliance	E005	04/17/2024	Chloride, total	57.0	mg/L
OW-256	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
OW-256	Compliance	E005	04/17/2024	Cobalt, total	0.0002 J	mg/L
OW-256	Compliance	E005	04/17/2024	Dissolved Oxygen	1.04	mg/L
OW-256	Compliance	E005	04/17/2024	Fluoride, total	0.260	mg/L
OW-256	Compliance	E005	04/17/2024	Lead, total	0.0006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Lithium, total	0.00910	mg/L
OW-256	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Molybdenum, total	0.0006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Oxidation Reduction Potential	74.0	mV
OW-256	Compliance	E005	04/17/2024	pH (field)	6.9	SU
OW-256	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.674	pCi/L
OW-256	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	632	micromhos/cm
OW-256	Compliance	E005	04/17/2024	Sulfate, total	73.0	mg/L
OW-256	Compliance	E005	04/17/2024	Temperature	22.0	degrees C
OW-256	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E005	04/17/2024	Total Dissolved Solids	500	mg/L
OW-256	Compliance	E005	04/17/2024	Turbidity, field	11.0	NTU
OW-257	Compliance	E005	04/17/2024	Antimony, total	0.00100	mg/L
OW-257	Compliance	E005	04/17/2024	Arsenic, total	0.00160	mg/L
OW-257	Compliance	E005	04/17/2024	Barium, total	0.113	mg/L
OW-257	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E005	04/17/2024	Boron, total	0.483	mg/L
OW-257	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E005	04/17/2024	Calcium, total	119	mg/L
OW-257	Compliance	E005	04/17/2024	Chloride, total	7.00	mg/L
OW-257	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
OW-257	Compliance	E005	04/17/2024	Cobalt, total	0.0006 J	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-257	Compliance	E005	04/17/2024	Dissolved Oxygen	2.06	mg/L
OW-257	Compliance	E005	04/17/2024	Fluoride, total	0.400	mg/L
OW-257	Compliance	E005	04/17/2024	Lead, total	0.0006 J	mg/L
OW-257	Compliance	E005	04/17/2024	Lithium, total	0.0299	mg/L
OW-257	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E005	04/17/2024	Molybdenum, total	0.00260 J+	mg/L
OW-257	Compliance	E005	04/17/2024	Oxidation Reduction Potential	61.0	mV
OW-257	Compliance	E005	04/17/2024	pH (field)	7.2	SU
OW-257	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	1.13	pCi/L
OW-257	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	858	micromhos/cm
OW-257	Compliance	E005	04/17/2024	Sulfate, total	111	mg/L
OW-257	Compliance	E005	04/17/2024	Temperature	22.8	degrees C
OW-257	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E005	04/17/2024	Total Dissolved Solids	682	mg/L
OW-257	Compliance	E005	04/17/2024	Turbidity, field	19.0	NTU
PZ-170	Compliance	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Arsenic, total	0.00190	mg/L
PZ-170	Compliance	E005	04/17/2024	Barium, total	0.0866	mg/L
PZ-170	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Boron, total	0.296	mg/L
PZ-170	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Calcium, total	218	mg/L
PZ-170	Compliance	E005	04/17/2024	Chloride, total	75.0	mg/L
PZ-170	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
PZ-170	Compliance	E005	04/17/2024	Cobalt, total	0.00260	mg/L
PZ-170	Compliance	E005	04/17/2024	Dissolved Oxygen	0.700	mg/L
PZ-170	Compliance	E005	04/17/2024	Fluoride, total	0.210	mg/L
PZ-170	Compliance	E005	04/17/2024	Lead, total	0.00200	mg/L
PZ-170	Compliance	E005	04/17/2024	Lithium, total	0.0349	mg/L
PZ-170	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Molybdenum, total	0.0006 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-174	mV
PZ-170	Compliance	E005	04/17/2024	pH (field)	6.6	SU
PZ-170	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.32	pCi/L
PZ-170	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,870	micromhos/cm
PZ-170	Compliance	E005	04/17/2024	Sulfate, total	236	mg/L
PZ-170	Compliance	E005	04/17/2024	Temperature	16.4	degrees C
PZ-170	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Total Dissolved Solids	1,140	mg/L
PZ-170	Compliance	E005	04/17/2024	Turbidity, field	4.00	NTU
PZ-182	Compliance	E005	04/17/2024	Antimony, total	0.0005 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Arsenic, total	0.0005 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Barium, total	0.0672	mg/L
PZ-182	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024

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BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E005	04/17/2024	Boron, total	0.499	mg/L
PZ-182	Compliance	E005	04/17/2024	Cadmium, total	0.0004 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Calcium, total	154	mg/L
PZ-182	Compliance	E005	04/17/2024	Chloride, total	37.0	mg/L
PZ-182	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
PZ-182	Compliance	E005	04/17/2024	Cobalt, total	0.0004 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Dissolved Oxygen	1.06	mg/L
PZ-182	Compliance	E005	04/17/2024	Fluoride, total	0.180	mg/L
PZ-182	Compliance	E005	04/17/2024	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Lithium, total	0.0149	mg/L
PZ-182	Compliance	E005	04/17/2024	Mercury, total	0.00018 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-141	mV
PZ-182	Compliance	E005	04/17/2024	pH (field)	6.7	SU
PZ-182	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	1.09	pCi/L
PZ-182	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,170	micromhos/cm
PZ-182	Compliance	E005	04/17/2024	Sulfate, total	150	mg/L
PZ-182	Compliance	E005	04/17/2024	Temperature	18.1	degrees C
PZ-182	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Total Dissolved Solids	734	mg/L
PZ-182	Compliance	E005	04/17/2024	Turbidity, field	13.0	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.
J- = The result is an estimated quantity, but the result may be biased low.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-192	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	33	CI around geomean	0.00131	0.010	Standard	No Exceedance
MW-192	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0909	2.0	Standard	No Exceedance
MW-192	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.028	2.23	Background	No Exceedance
MW-192	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	11.9	1,370	Background	No Exceedance
MW-192	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	42	CI around mean	0.00101	0.006	Standard	No Exceedance
MW-192	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.415	4.0	Standard	No Exceedance
MW-192	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	8	CB around linear reg	-0.0252	0.123	Background	No Exceedance
MW-192	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00177	0.1	Standard	No Exceedance
MW-192	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-192	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.337	5	Standard	No Exceedance
MW-192	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-7.03	400	Standard	No Exceedance
MW-192	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	-81.3	3,260	Background	No Exceedance
MW-193	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	25	CB around T-S line	-0.00464	0.010	Standard	No Exceedance
MW-193	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	0.0743	2.0	Standard	No Exceedance
MW-193	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	8	CI around mean	0.0377	2.23	Background	No Exceedance
MW-193	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	30.3	1,370	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-193	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.246	4.0	Standard	No Exceedance
MW-193	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00451	0.123	Background	No Exceedance
MW-193	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-193	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.463	5	Standard	No Exceedance
MW-193	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	154	400	Standard	No Exceedance
MW-193	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	541	3,260	Background	No Exceedance
MW-356	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	89	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	83	CI around median	0.001	0.010	Standard	No Exceedance
MW-356	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around median	0.0299	2.0	Standard	No Exceedance
MW-356	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.94	2.23	Background	No Exceedance
MW-356	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	27.8	1,370	Background	No Exceedance
MW-356	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1.99	4.0	Standard	No Exceedance
MW-356	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.0526	0.123	Background	No Exceedance
MW-356	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	63	CI around median	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-356	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CI around median	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-356	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around median	0.12	5	Standard	No Exceedance
MW-356	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	44.2	400	Standard	No Exceedance
MW-356	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	660	3,260	Background	No Exceedance
MW-369	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	21	81	CB around T-S line	-0.000206	0.006	Standard	No Exceedance
MW-369	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	24	12	CI around geomean	0.00145	0.010	Standard	No Exceedance
MW-369	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	24	0	CB around T-S line	0.0698	2.0	Standard	No Exceedance
MW-369	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	25	0	CB around linear reg	-0.153	2.23	Background	No Exceedance
MW-369	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	25	0	CI around geomean	86.4	1,370	Background	No Exceedance
MW-369	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	23	91	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-369	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	22	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-0.569	4.0	Standard	No Exceedance
MW-369	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	22	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	24	4	CI around mean	0.021	0.123	Background	No Exceedance
MW-369	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	24	4	CB around T-S line	-0.00551	0.1	Standard	No Exceedance
MW-369	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	25	0	CI around mean	7.4/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-369	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	24	0	CI around mean	0.45	5	Standard	No Exceedance
MW-369	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	21	67	CB around T-S line	-0.00896	0.05	Standard	No Exceedance
MW-369	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-36.3	400	Standard	No Exceedance
MW-369	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	25	0	CI around median	726	3,260	Background	No Exceedance
MW-370	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	78	CB around T-S line	-0.000129	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-370	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	60	CB around T-S line	0.000221	0.010	Standard	No Exceedance
MW-370	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CB around T-S line	0.0272	2.0	Standard	No Exceedance
MW-370	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.77	2.23	Background	No Exceedance
MW-370	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1,400	1,370	Background	Exceedance
MW-370	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-370	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	3.07	4.0	Standard	No Exceedance
MW-370	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	0.132	0.123	Background	Exceedance
MW-370	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	3	CB around T-S line	0.00347	0.1	Standard	No Exceedance
MW-370	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CB around T-S line	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
MW-370	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.57	5	Standard	No Exceedance
MW-370	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	96	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	249	400	Standard	No Exceedance
MW-370	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	2,990	3,260	Background	No Exceedance
MW-382	UA	E005	Antimony, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-382	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/17/24	24	21	CI around median	0.0012	0.010	Standard	No Exceedance
MW-382	UA	E005	Barium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0176	2.0	Standard	No Exceedance
MW-382	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/17/24	19	95	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E005	Boron, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	1.71	2.23	Background	No Exceedance
MW-382	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E005	Chloride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around mean	34.4	1,370	Background	No Exceedance
MW-382	UA	E005	Chromium, total	mg/L	12/29/15 - 04/17/24	23	9	CB around linear reg	0.00661	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-382	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/17/24	22	64	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	2.77	4.0	Standard	No Exceedance
MW-382	UA	E005	Lead, total	mg/L	12/29/15 - 04/17/24	22	54	CB around T-S line	0.001	0.0075	Standard	No Exceedance
MW-382	UA	E005	Lithium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0578	0.123	Background	No Exceedance
MW-382	UA	E005	Mercury, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/17/24	24	25	CI around geomean	0.00134	0.1	Standard	No Exceedance
MW-382	UA	E005	pH (field)	SU	12/29/15 - 04/17/24	25	0	CI around mean	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-382	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/17/24	24	0	CB around T-S line	0.545	5	Standard	No Exceedance
MW-382	UA	E005	Selenium, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	358	400	Standard	No Exceedance
MW-382	UA	E005	Thallium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	1,050	3,260	Background	No Exceedance
MW-392	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.001	0.010	Standard	No Exceedance
MW-392	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0388	2.0	Standard	No Exceedance
MW-392	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-392	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.68	2.23	Background	No Exceedance
MW-392	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-392	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	648	1,370	Background	No Exceedance
MW-392	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	4.07	4.0	Standard	Exceedance
MW-392	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0613	0.123	Background	No Exceedance
MW-392	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around median	7.6/7.7	6.5/9.0	Standard/Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-392	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.422	5	Standard	No Exceedance
MW-392	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around geomean	48.8	400	Standard	No Exceedance
MW-392	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1,340	3,260	Background	No Exceedance
MW-393	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.010	Standard	No Exceedance
MW-393	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0248	2.0	Standard	No Exceedance
MW-393	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-393	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1.59	2.23	Background	No Exceedance
MW-393	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-393	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	664	1,370	Background	No Exceedance
MW-393	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	7.95	4.0	Standard	Exceedance
MW-393	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-393	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0594	0.123	Background	No Exceedance
MW-393	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around mean	7.9/8.3	6.5/9.0	Standard/Standard	No Exceedance
MW-393	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.268	5	Standard	No Exceedance
MW-393	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-393	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	69.7	400	Standard	No Exceedance
MW-393	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	2,220	3,260	Background	No Exceedance
MW-394	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	67	CB around T-S line	-0.00353	0.006	Standard	No Exceedance
MW-394	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	50	CI around median	0.001	0.010	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-394	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.029	2.0	Standard	No Exceedance
MW-394	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.59	2.23	Background	No Exceedance
MW-394	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	492	1,370	Background	No Exceedance
MW-394	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	3.34	4.0	Standard	No Exceedance
MW-394	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0524	0.123	Background	No Exceedance
MW-394	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	33	CI around mean	0.00332	0.1	Standard	No Exceedance
MW-394	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	7.7/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-394	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.437	5	Standard	No Exceedance
MW-394	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-2.64	400	Standard	No Exceedance
MW-394	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1,790	3,260	Background	No Exceedance
OW-256	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.00085	0.010	Standard	No Exceedance
OW-256	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.0799	2.0	Standard	No Exceedance
OW-256	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.151	2.23	Background	No Exceedance
OW-256	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	52.2	1,370	Background	No Exceedance
OW-256	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	50	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-256	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.228	4.0	Standard	No Exceedance
OW-256	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
OW-256	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	17	CI around mean	0.00429	0.123	Background	No Exceedance
OW-256	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
OW-256	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.536	5	Standard	No Exceedance
OW-256	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	63.8	400	Standard	No Exceedance
OW-256	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	473	3,260	Background	No Exceedance
OW-257	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000786	0.006	Standard	No Exceedance
OW-257	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	17	CI around geomean	0.000736	0.010	Standard	No Exceedance
OW-257	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.113	2.0	Standard	No Exceedance
OW-257	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
OW-257	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.419	2.23	Background	No Exceedance
OW-257	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.005	Standard	No Exceedance
OW-257	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	6.55	1,370	Background	No Exceedance
OW-257	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000362	0.1	Standard	No Exceedance
OW-257	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.000375	0.006	Standard	No Exceedance
OW-257	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.366	4.0	Standard	No Exceedance
OW-257	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000218	0.0075	Standard	No Exceedance
OW-257	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.0299	0.123	Background	No Exceedance
OW-257	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-257	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	33	CI around mean	0.00236	0.1	Standard	No Exceedance
OW-257	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/7.3	6.5/9.0	Standard/Standard	No Exceedance
OW-257	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.225	5	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-257	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-257	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	101	400	Standard	No Exceedance
OW-257	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-257	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	682	3,260	Background	No Exceedance
PZ-170	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
PZ-170	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	5	40	CI around geomean	0.000887	0.010	Standard	No Exceedance
PZ-170	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0424	2.0	Standard	No Exceedance
PZ-170	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-170	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.212	2.23	Background	No Exceedance
PZ-170	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-170	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	36.7	1,370	Background	No Exceedance
PZ-170	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.00072	0.006	Standard	No Exceedance
PZ-170	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.176	4.0	Standard	No Exceedance
PZ-170	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	5	80	CI around median (Last Sample, n<7)	0.002	0.0075	Standard	No Exceedance
PZ-170	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0246	0.123	Background	No Exceedance
PZ-170	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-170	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.6	6.5/9.0	Standard/Standard	No Exceedance
PZ-170	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.106	5	Standard	No Exceedance
PZ-170	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-170	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	144	400	Standard	No Exceedance
PZ-170	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-170	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	720	3,260	Background	No Exceedance
PZ-182	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.010	Standard	No Exceedance
PZ-182	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.057	2.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-182	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.424	2.23	Background	No Exceedance
PZ-182	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	37	1,370	Background	No Exceedance
PZ-182	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	83	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.153	4.0	Standard	No Exceedance
PZ-182	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.00834	0.123	Background	No Exceedance
PZ-182	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-182	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.166	5	Standard	No Exceedance
PZ-182	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	133	400	Standard	No Exceedance
PZ-182	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	643	3,260	Background	No Exceedance

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

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

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

GWPS = Groundwater Protection Standard

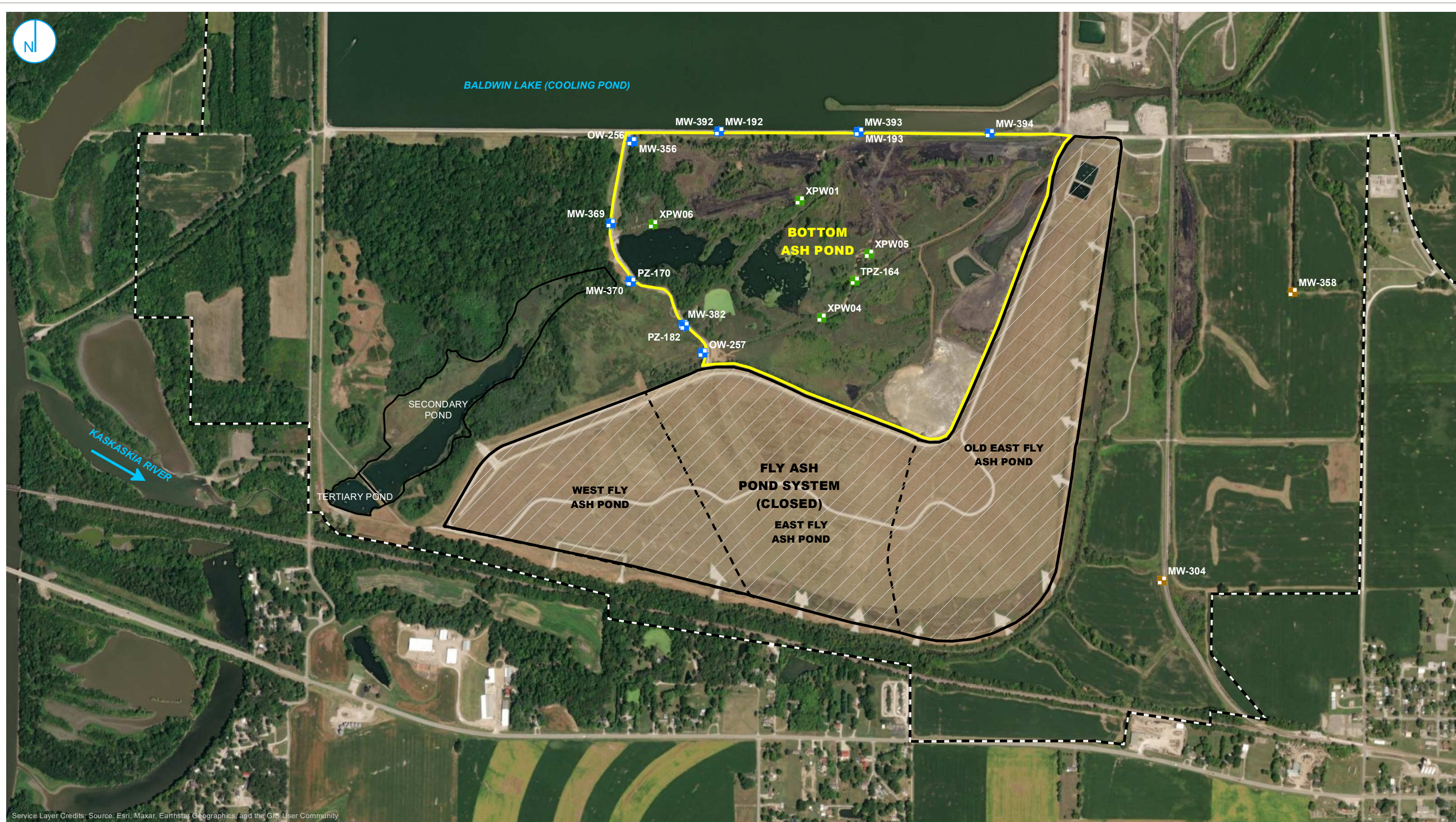
GWPS Source:

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

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

FIGURES

PROJECT: 169000XXXX | DATED: 6/20/2023 | DESIGNER: GALARNMC
Y:\Mapping\Projects\2212285\MXD\845_Operating_Permit\Baldwin\BAP\2023_Update\GMP\Figure 2-1_BAL BAP Proposed Monitoring Well Network.mxd



- BACKGROUND WELL
- COMPLIANCE WELL
- PORE WATER WELL
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY



MONITORING WELL LOCATION MAP

FIGURE 1

BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
SUMMARY OF GROUNDWATER ELEVATION DATA
QUARTER 2, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-192	Compliance	04/15/2024	8.17	428.94
MW-193	Compliance	04/15/2024	8.89	429.34
MW-304	Background	04/15/2024	9.26	446.10
MW-356	Compliance	04/15/2024	4.64	423.13
MW-358	Background	04/15/2024	3.81	452.09
MW-369	Compliance	04/15/2024	10.43	412.45
MW-370	Compliance	04/15/2024	18.00	403.02
MW-382	Compliance	04/15/2024	16.46	414.90
MW-392	Compliance	04/15/2024	8.80	428.39
MW-393	Compliance	04/15/2024	8.27	429.76
MW-394	Compliance	04/15/2024	6.60	431.86
OW-256	Compliance	04/15/2024	7.55	420.32
OW-257	Compliance	04/15/2024	5.54	425.65
PZ-170	Compliance	04/15/2024	14.17	407.10
PZ-182	Compliance	04/15/2024	16.92	414.86
TPZ-164	Water Level	04/15/2024	3.66	431.61
XPW01	Water Level	04/15/2024	9.70	428.13
XPW05	Water Level	04/15/2024	4.56	432.88
XPW06	Water Level	04/15/2024	1.21	416.68

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

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

May 17, 2024

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



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

RE: BAL-24Q2

WorkOrder: 24040437

Dear Eric Bauer:

TEKLAB, INC received 22 samples for BAL_845_601 on 4/18/2024 3:30:00 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: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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Definitions

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

Cooler Receipt Temp: 18.7 °C

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

Per Chase Christenson, cancel sampling of MW-306. EAH 4/17/24

Per Eric Bauer's request, only BAL_845_601 data is included in this report. EAH 5/17/24

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-009
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-192

Collection Date: 04/16/2024 11:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.24	ft	1	04/16/2024 11:39	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.1	NTU	1	04/16/2024 11:39	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-15	mV	1	04/16/2024 11:39	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		572	µS/cm	1	04/16/2024 11:39	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	04/16/2024 11:39	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.81	mg/L	1	04/16/2024 11:39	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		6.96		1	04/16/2024 11:39	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		356	mg/L	1	04/19/2024 10:39	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 10:39	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		355	mg/L	2.5	04/17/2024 8:18	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	S	14	mg/L	1	04/18/2024 15:38	R345984
<i>Matrix spike did not recover within control limits. Results verified by dilution.</i>									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.45	mg/L	1	04/25/2024 11:48	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		20	mg/L	1	04/18/2024 15:38	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.350	1.00		72.4	mg/L	10	04/19/2024 18:05	221556
Magnesium	NELAP	0.0055	0.0500		32.8	mg/L	1	04/19/2024 18:06	221556
Potassium	NELAP	0.0400	0.100		0.562	mg/L	1	04/18/2024 17:33	221556
Sodium	NELAP	0.0180	0.0500		53.3	mg/L	1	04/18/2024 17:33	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0032	mg/L	5	04/23/2024 17:18	221556
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/20/2024 7:07	221556
Barium	NELAP	0.0007	0.0010		0.0883	mg/L	5	04/20/2024 7:07	221556
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/22/2024 20:24	221556
Boron	NELAP	0.0092	0.0250		0.0296	mg/L	5	04/22/2024 20:24	221556
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 7:07	221556
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 17:18	221556
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	04/20/2024 7:07	221556
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:07	221556
Lithium	*	0.0015	0.0030		0.0039	mg/L	5	04/22/2024 20:24	221556
Molybdenum	NELAP	0.0007	0.0015		0.0018	mg/L	5	04/20/2024 7:07	221556
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:07	221556
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 7:07	221556



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-009
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-192
Collection Date: 04/16/2024 11:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 9:31	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-010
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-193

Collection Date: 04/16/2024 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.86	ft	1	04/16/2024 10:44	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.2	NTU	1	04/16/2024 10:44	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		30	mV	1	04/16/2024 10:44	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		706	µS/cm	1	04/16/2024 10:44	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.8	°C	1	04/16/2024 10:44	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.09	mg/L	1	04/16/2024 10:44	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		6.81		1	04/16/2024 10:44	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		313	mg/L	1	04/19/2024 10:45	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 10:45	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		545	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		158	mg/L	5	04/18/2024 16:18	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	04/25/2024 11:34	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		32	mg/L	1	04/18/2024 16:13	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	3.50	10.0		94.3	mg/L	100	04/19/2024 18:06	221556
Magnesium	NELAP	0.0055	0.0500		35.6	mg/L	1	04/18/2024 17:37	221556
Potassium	NELAP	0.0400	0.100		0.674	mg/L	1	04/18/2024 17:37	221556
Sodium	NELAP	0.0180	0.0500		76.1	mg/L	1	04/18/2024 17:37	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0010	mg/L	5	04/23/2024 17:24	221556
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/20/2024 7:13	221556
Barium	NELAP	0.0007	0.0010		0.0771	mg/L	5	04/20/2024 7:13	221556
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/22/2024 20:30	221556
Boron	NELAP	0.0092	0.0250		0.0584	mg/L	5	04/22/2024 20:30	221556
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 7:13	221556
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	04/23/2024 17:24	221556
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	04/20/2024 7:13	221556
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:13	221556
Lithium	*	0.0015	0.0030		0.0050	mg/L	5	04/22/2024 20:30	221556
Molybdenum	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	04/20/2024 7:13	221556
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:13	221556
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 7:13	221556



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-010
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-193
Collection Date: 04/16/2024 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 9:33	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-013
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-304
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.21	ft	1	04/16/2024 11:30	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.1	NTU	1	04/16/2024 11:30	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		44	mV	1	04/16/2024 11:30	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2460	µS/cm	1	04/16/2024 11:30	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	04/16/2024 11:30	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.21	mg/L	1	04/16/2024 11:30	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.81		1	04/16/2024 11:30	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		805	mg/L	1	04/19/2024 10:51	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 10:51	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1340	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		195	mg/L	10	04/18/2024 16:21	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		1.69	mg/L	1	04/25/2024 11:53	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		161	mg/L	10	04/18/2024 16:21	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	3.50	10.0		13.0	mg/L	100	04/19/2024 18:07	221556
Magnesium	NELAP	0.0055	0.0500		4.78	mg/L	1	04/18/2024 17:38	221556
Potassium	NELAP	0.0400	0.100		2.48	mg/L	1	04/18/2024 17:38	221556
Sodium	NELAP	1.80	5.00		613	mg/L	100	04/19/2024 18:07	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/23/2024 17:29	221556
Arsenic	NELAP	0.0004	0.0010		0.0028	mg/L	5	04/20/2024 7:19	221556
Barium	NELAP	0.0007	0.0010		0.0199	mg/L	5	04/20/2024 7:19	221556
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/22/2024 20:36	221556
Boron	NELAP	0.0092	0.0250		1.70	mg/L	5	04/22/2024 20:36	221556
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 7:19	221556
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 17:29	221556
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/20/2024 7:19	221556
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:19	221556
Lithium	*	0.0015	0.0030		0.0823	mg/L	5	04/22/2024 20:36	221556
Molybdenum	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	04/20/2024 7:19	221556
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:19	221556
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 7:19	221556



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-013
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-304
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 9:36	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-018
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-356

Collection Date: 04/16/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.64	ft	1	04/16/2024 12:23	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.0	NTU	1	04/16/2024 12:23	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-72	mV	1	04/16/2024 12:23	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		923	µS/cm	1	04/16/2024 12:23	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	04/16/2024 12:23	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.79	mg/L	1	04/16/2024 12:23	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.77		1	04/16/2024 12:23	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		519	mg/L	1	04/19/2024 10:59	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 10:59	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		700	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		45	mg/L	2	04/18/2024 16:37	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		2.21	mg/L	1	04/25/2024 11:22	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		34	mg/L	1	04/18/2024 16:26	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	3.50	10.0		15.0	mg/L	100	04/19/2024 18:08	221556
Magnesium	NELAP	0.0055	0.0500		7.96	mg/L	1	04/18/2024 17:39	221556
Potassium	NELAP	0.0400	0.100		3.03	mg/L	1	04/18/2024 17:39	221556
Sodium	NELAP	0.0180	0.0500		270	mg/L	1	04/18/2024 17:39	221556
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	04/23/2024 18:33	221556
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	04/20/2024 7:49	221556
Barium	NELAP	0.0007	0.0010		0.0302	mg/L	5	04/20/2024 7:49	221556
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/22/2024 20:42	221556
Boron	NELAP	0.0092	0.0250		1.87	mg/L	5	04/22/2024 20:42	221556
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 7:49	221556
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 18:33	221556
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/20/2024 7:49	221556
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:49	221556
Lithium	*	0.0015	0.0030		0.0521	mg/L	5	04/22/2024 20:42	221556
Molybdenum	NELAP	0.0007	0.0015	J	0.0015	mg/L	5	04/20/2024 7:49	221556
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 7:49	221556
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 7:49	221556

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-018
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-356
Collection Date: 04/16/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00014	mg/L	1	04/19/2024 9:47	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-019
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-358
Collection Date: 04/17/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.81	ft	1	04/17/2024 10:17	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		23	NTU	1	04/17/2024 10:17	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-280	mV	1	04/17/2024 10:17	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2510	µS/cm	1	04/17/2024 10:17	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	04/17/2024 10:17	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	04/17/2024 10:17	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.69		1	04/17/2024 10:17	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		532	mg/L	1	04/18/2024 16:28	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/18/2024 16:28	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1430	mg/L	1	04/19/2024 8:26	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		19	mg/L	1	04/19/2024 22:36	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		1.53	mg/L	1	04/25/2024 11:59	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		458	mg/L	50	04/19/2024 22:58	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		59.4	mg/L	1	04/19/2024 18:55	221509
Magnesium	NELAP	0.0250	0.0500		29.1	mg/L	1	04/19/2024 18:55	221509
Potassium	NELAP	0.0400	0.100		2.22	mg/L	1	04/19/2024 18:55	221509
Sodium	NELAP	0.0180	0.0500		283	mg/L	1	04/19/2024 18:55	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/20/2024 17:17	221509
Arsenic	NELAP	0.0004	0.0010		0.0014	mg/L	5	04/20/2024 17:17	221509
Barium	NELAP	0.0007	0.0010		0.120	mg/L	5	04/20/2024 17:17	221509
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 17:17	221509
Boron	NELAP	0.0092	0.0250		0.277	mg/L	5	04/20/2024 17:17	221509
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 17:17	221509
Chromium	NELAP	0.0007	0.0015	J	0.0010	mg/L	5	04/20/2024 17:17	221509
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	04/20/2024 17:17	221509
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2024 18:17	221509
Lithium	*	0.0015	0.0030		0.0425	mg/L	5	04/20/2024 17:17	221509
Molybdenum	NELAP	0.0006	0.0015		0.0044	mg/L	5	04/23/2024 0:40	221509
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 17:17	221509
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 17:17	221509



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-019
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-358

Collection Date: 04/17/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00011	mg/L	1	04/19/2024 9:49	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-021
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-369
Collection Date: 04/16/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.49	ft	1	04/16/2024 13:18	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.5	NTU	1	04/16/2024 13:18	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-47	mV	1	04/16/2024 13:18	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		991	µS/cm	1	04/16/2024 13:18	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.3	°C	1	04/16/2024 13:18	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	04/16/2024 13:18	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.00		1	04/16/2024 13:18	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		534	mg/L	1	04/19/2024 11:13	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 11:13	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		870	mg/L	2.5	04/17/2024 8:19	R345963
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		123	mg/L	10	04/18/2024 17:09	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.97	mg/L	1	04/25/2024 11:49	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		80	mg/L	10	04/18/2024 17:08	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		115	mg/L	1	04/19/2024 20:37	221595
Magnesium	NELAP	0.0055	0.0500		38.2	mg/L	1	04/19/2024 20:37	221595
Potassium	NELAP	0.0400	0.100		3.25	mg/L	1	04/19/2024 20:37	221595
Sodium	NELAP	0.0180	0.0500		106	mg/L	1	04/19/2024 20:37	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	0.0007	mg/L	5	04/23/2024 10:15	221595
Arsenic	NELAP	0.0004	0.0010		0.0012	mg/L	5	04/20/2024 9:56	221595
Barium	NELAP	0.0007	0.0010		0.147	mg/L	5	04/20/2024 9:56	221595
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 9:56	221595
Boron	NELAP	0.0092	0.0250		0.397	mg/L	5	04/20/2024 9:56	221595
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 9:56	221595
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 10:15	221595
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	04/20/2024 9:56	221595
Lead	NELAP	0.0006	0.0010	B	< 0.0010	mg/L	5	04/20/2024 9:56	221595
Lithium	*	0.0015	0.0030		0.0192	mg/L	5	04/20/2024 9:56	221595
Molybdenum	NELAP	0.0006	0.0015		0.0059	mg/L	5	04/20/2024 9:56	221595
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 10:15	221595
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 9:56	221595

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

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-021
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-369

Collection Date: 04/16/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 9:54	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-022
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-370

Collection Date: 04/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		17.95	ft	1	04/16/2024 13:39	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.0	NTU	1	04/16/2024 13:39	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		20	mV	1	04/16/2024 13:39	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		4470	µS/cm	1	04/16/2024 13:39	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.4	°C	1	04/16/2024 13:39	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.81	mg/L	1	04/16/2024 13:39	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.59		1	04/16/2024 13:39	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		393	mg/L	1	04/19/2024 12:28	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 12:28	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3170	mg/L	1	04/18/2024 10:19	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		247	mg/L	10	04/18/2024 17:11	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		3.33	mg/L	1	04/25/2024 11:29	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		1460	mg/L	50	04/18/2024 17:17	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		39.5	mg/L	1	04/19/2024 20:39	221595
Magnesium	NELAP	0.0055	0.0500	S	22.8	mg/L	1	04/19/2024 20:39	221595
Potassium	NELAP	0.0400	0.100		5.73	mg/L	1	04/19/2024 20:39	221595
Sodium	NELAP	0.0180	0.0500	S	1150	mg/L	1	04/19/2024 20:39	221595
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/24/2024 12:53	221595
Arsenic	NELAP	0.0004	0.0010	J	0.0008	mg/L	5	04/20/2024 10:02	221595
Barium	NELAP	0.0007	0.0010		0.0415	mg/L	5	04/20/2024 10:02	221595
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 10:02	221595
Boron	NELAP	0.0092	0.0250	S	1.76	mg/L	5	04/22/2024 23:24	221595
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 10:02	221595
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 9:55	221595
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	04/20/2024 10:02	221595
Lead	NELAP	0.0006	0.0010	B	< 0.0010	mg/L	5	04/20/2024 10:02	221595
Lithium	*	0.0015	0.0030		0.170	mg/L	5	04/20/2024 10:02	221595
Molybdenum	NELAP	0.0006	0.0015		0.0076	mg/L	5	04/20/2024 10:02	221595
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 9:55	221595
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 10:02	221595



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-022
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-370
Collection Date: 04/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
<i>Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.</i>									
<i>Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 9:56	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-025
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-382
Collection Date: 04/17/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.47	ft	1	04/17/2024 13:07	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		150	NTU	1	04/17/2024 13:07	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-27	mV	1	04/17/2024 13:07	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1790	µS/cm	1	04/17/2024 13:07	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	04/17/2024 13:07	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.13	mg/L	1	04/17/2024 13:07	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.70		1	04/17/2024 13:07	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		461	mg/L	1	04/18/2024 16:57	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/18/2024 16:57	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1120	mg/L	2.5	04/19/2024 8:57	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		419	mg/L	20	04/19/2024 23:14	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		3.04	mg/L	1	04/25/2024 12:09	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		33	mg/L	1	04/19/2024 23:08	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		27.8	mg/L	1	04/19/2024 18:58	221509
Magnesium	NELAP	0.0250	0.0500		11.4	mg/L	1	04/19/2024 18:58	221509
Potassium	NELAP	0.0400	0.100		4.06	mg/L	1	04/19/2024 18:58	221509
Sodium	NELAP	0.0180	0.0500		416	mg/L	1	04/19/2024 18:58	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/20/2024 18:55	221509
Arsenic	NELAP	0.0004	0.0010		0.0010	mg/L	5	04/20/2024 18:55	221509
Barium	NELAP	0.0007	0.0010		0.0177	mg/L	5	04/20/2024 18:55	221509
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 18:55	221509
Boron	NELAP	0.0092	0.0250		1.71	mg/L	5	04/20/2024 18:55	221509
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 18:55	221509
Chromium	NELAP	0.0007	0.0015		0.0061	mg/L	5	04/20/2024 18:55	221509
Cobalt	NELAP	0.0001	0.0010	J	0.0009	mg/L	5	04/23/2024 1:38	221509
Lead	NELAP	0.0006	0.0010		0.0018	mg/L	5	04/25/2024 19:19	221509
Lithium	*	0.0015	0.0030		0.0597	mg/L	5	04/20/2024 18:55	221509
Molybdenum	NELAP	0.0006	0.0015		0.0024	mg/L	5	04/20/2024 18:55	221509
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 18:55	221509
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 18:55	221509



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-025
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-382
Collection Date: 04/17/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 10:03	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-030
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-392
Collection Date: 04/16/2024 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.83	ft	1	04/16/2024 11:52	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.8	NTU	1	04/16/2024 11:52	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-118	mV	1	04/16/2024 11:52	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2690	µS/cm	1	04/16/2024 11:52	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.5	°C	1	04/16/2024 11:52	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.90	mg/L	1	04/16/2024 11:52	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.67		1	04/16/2024 11:52	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		371	mg/L	1	04/19/2024 12:35	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 12:35	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1860	mg/L	1	04/18/2024 10:24	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		42	mg/L	2	04/18/2024 17:27	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		4.42	mg/L	1	04/25/2024 11:24	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		868	mg/L	50	04/18/2024 17:33	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		25.0	mg/L	1	04/19/2024 20:53	221595
Magnesium	NELAP	0.0055	0.0500		15.7	mg/L	1	04/19/2024 20:53	221595
Potassium	NELAP	0.0400	0.100		4.33	mg/L	1	04/19/2024 20:53	221595
Sodium	NELAP	0.0180	0.0500		705	mg/L	1	04/19/2024 20:53	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	0.0009	mg/L	5	04/23/2024 11:01	221595
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	04/20/2024 11:21	221595
Barium	NELAP	0.0007	0.0010		0.0521	mg/L	5	04/20/2024 11:21	221595
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 11:21	221595
Boron	NELAP	0.0092	0.0250		1.86	mg/L	5	04/22/2024 23:36	221595
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 11:21	221595
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 11:01	221595
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/20/2024 11:21	221595
Lead	NELAP	0.0006	0.0010	B	< 0.0010	mg/L	5	04/20/2024 11:21	221595
Lithium	*	0.0015	0.0030		0.0746	mg/L	5	04/22/2024 23:36	221595
Molybdenum	NELAP	0.0006	0.0015	J	0.0011	mg/L	5	04/20/2024 11:21	221595
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 11:01	221595
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 11:21	221595

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

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-030
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-392

Collection Date: 04/16/2024 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00006	mg/L	1	04/19/2024 12:51	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-031
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: MW-393

Collection Date: 04/16/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.25	ft	1	04/16/2024 11:04	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.6	NTU	1	04/16/2024 11:04	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-166	mV	1	04/16/2024 11:04	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3230	µS/cm	1	04/16/2024 11:04	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	04/16/2024 11:04	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.70	mg/L	1	04/16/2024 11:04	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		8.16		1	04/16/2024 11:04	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		785	mg/L	1	04/19/2024 12:43	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		31	mg/L	1	04/19/2024 12:43	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2470	mg/L	1	04/18/2024 10:42	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		217	mg/L	10	04/18/2024 17:35	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		9.22	mg/L	10	04/25/2024 11:58	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		779	mg/L	50	04/18/2024 17:41	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		7.05	mg/L	1	04/19/2024 20:54	221595
Magnesium	NELAP	0.0055	0.0500		4.09	mg/L	1	04/19/2024 20:54	221595
Potassium	NELAP	0.0400	0.100		3.02	mg/L	1	04/19/2024 20:54	221595
Sodium	NELAP	0.0180	0.0500	S	997	mg/L	1	04/19/2024 20:54	221595
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	04/23/2024 11:16	221595
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/20/2024 11:33	221595
Barium	NELAP	0.0007	0.0010		0.0416	mg/L	5	04/20/2024 11:33	221595
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 11:33	221595
Boron	NELAP	0.0092	0.0250		1.83	mg/L	5	04/23/2024 1:10	221595
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 11:33	221595
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	04/23/2024 11:16	221595
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/20/2024 11:33	221595
Lead	NELAP	0.0006	0.0010	B	< 0.0010	mg/L	5	04/20/2024 11:33	221595
Lithium	*	0.0015	0.0030		0.0714	mg/L	5	04/23/2024 1:10	221595
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/20/2024 11:33	221595
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 11:16	221595
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 11:33	221595



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-031
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-393
Collection Date: 04/16/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
Contamination present in the MBLK for Pb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 10:23	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-032
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-394
Collection Date: 04/16/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.64	ft	1	04/16/2024 10:10	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.8	NTU	1	04/16/2024 10:10	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-268	mV	1	04/16/2024 10:10	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3240	µS/cm	1	04/16/2024 10:10	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.9	°C	1	04/16/2024 10:10	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.72	mg/L	1	04/16/2024 10:10	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.90		1	04/16/2024 10:10	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		827	mg/L	1	04/19/2024 12:52	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 12:52	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2320	mg/L	1	04/18/2024 10:43	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		82	mg/L	5	04/18/2024 17:59	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		4.92	mg/L	1	04/25/2024 11:27	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	10	80		812	mg/L	20	04/18/2024 18:05	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		8.29	mg/L	1	04/19/2024 20:59	221595
Magnesium	NELAP	0.0055	0.0500		4.17	mg/L	1	04/19/2024 20:59	221595
Potassium	NELAP	0.0400	0.100		2.70	mg/L	1	04/19/2024 20:59	221595
Sodium	NELAP	0.0180	0.0500		970	mg/L	1	04/19/2024 20:59	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	0.0006	mg/L	5	04/23/2024 11:06	221595
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/20/2024 11:27	221595
Barium	NELAP	0.0007	0.0010		0.0291	mg/L	5	04/20/2024 11:27	221595
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 11:27	221595
Boron	NELAP	0.0092	0.0250		1.80	mg/L	5	04/23/2024 0:57	221595
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 11:27	221595
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 11:06	221595
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/20/2024 11:27	221595
Lead	NELAP	0.0006	0.0010	B	< 0.0010	mg/L	5	04/20/2024 11:27	221595
Lithium	*	0.0015	0.0030		0.0656	mg/L	5	04/23/2024 0:57	221595
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/20/2024 11:27	221595
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 11:06	221595
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 11:27	221595

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

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-032
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-394
Collection Date: 04/16/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 10:25	221655



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-035
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: OW-256
Collection Date: 04/17/2024 15:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.61	ft	1	04/17/2024 15:00	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	04/17/2024 15:00	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		74	mV	1	04/17/2024 15:00	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		632	µS/cm	1	04/17/2024 15:00	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		22.0	°C	1	04/17/2024 15:00	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.04	mg/L	1	04/17/2024 15:00	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		6.89		1	04/17/2024 15:00	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		304	mg/L	1	04/18/2024 17:27	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/18/2024 17:27	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		500	mg/L	1	04/19/2024 9:40	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		73	mg/L	5	04/19/2024 23:32	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	04/25/2024 12:19	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		57	mg/L	5	04/19/2024 23:32	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		83.0	mg/L	1	04/19/2024 19:03	221509
Magnesium	NELAP	0.0250	0.0500		33.7	mg/L	1	04/19/2024 19:03	221509
Potassium	NELAP	0.0400	0.100		0.908	mg/L	1	04/19/2024 19:03	221509
Sodium	NELAP	0.0180	0.0500		48.5	mg/L	1	04/19/2024 19:03	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/20/2024 19:12	221509
Arsenic	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	04/20/2024 19:12	221509
Barium	NELAP	0.0007	0.0010		0.0886	mg/L	5	04/20/2024 19:12	221509
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 19:12	221509
Boron	NELAP	0.0092	0.0250		0.156	mg/L	5	04/20/2024 19:12	221509
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 19:12	221509
Chromium	NELAP	0.0007	0.0015	J	0.0014	mg/L	5	04/20/2024 19:12	221509
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	04/20/2024 19:12	221509
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2024 19:35	221509
Lithium	*	0.0015	0.0030		0.0091	mg/L	5	04/20/2024 19:12	221509
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/20/2024 19:12	221509
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 19:12	221509
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 19:12	221509



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-035
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: OW-256

Collection Date: 04/17/2024 15:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/23/2024 17:02	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-036
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: OW-257
Collection Date: 04/17/2024 14:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.50	ft	1	04/17/2024 14:29	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		19	NTU	1	04/17/2024 14:29	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		61	mV	1	04/17/2024 14:29	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		858	µS/cm	1	04/17/2024 14:29	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		22.8	°C	1	04/17/2024 14:29	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.06	mg/L	1	04/17/2024 14:29	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.18		1	04/17/2024 14:29	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		506	mg/L	1	04/18/2024 17:34	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/18/2024 17:34	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		682	mg/L	1	04/19/2024 9:41	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		111	mg/L	10	04/19/2024 23:57	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.40	mg/L	1	04/25/2024 12:21	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		7	mg/L	1	04/19/2024 23:51	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		119	mg/L	1	04/19/2024 19:04	221509
Magnesium	NELAP	0.0250	0.0500		53.0	mg/L	1	04/19/2024 19:04	221509
Potassium	NELAP	0.0400	0.100		3.12	mg/L	1	04/19/2024 19:04	221509
Sodium	NELAP	0.0180	0.0500		85.8	mg/L	1	04/19/2024 19:04	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0010	mg/L	5	04/20/2024 19:18	221509
Arsenic	NELAP	0.0004	0.0010		0.0016	mg/L	5	04/20/2024 19:18	221509
Barium	NELAP	0.0007	0.0010		0.113	mg/L	5	04/20/2024 19:18	221509
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 19:18	221509
Boron	NELAP	0.0092	0.0250		0.483	mg/L	5	04/20/2024 19:18	221509
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 19:18	221509
Chromium	NELAP	0.0007	0.0015	J	0.0011	mg/L	5	04/20/2024 19:18	221509
Cobalt	NELAP	0.0001	0.0010	J	0.0006	mg/L	5	04/20/2024 19:18	221509
Lead	NELAP	0.0006	0.0010	J	0.0006	mg/L	5	04/25/2024 19:40	221509
Lithium	*	0.0015	0.0030		0.0299	mg/L	5	04/20/2024 19:18	221509
Molybdenum	NELAP	0.0006	0.0015		0.0026	mg/L	5	04/20/2024 19:18	221509
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 19:18	221509
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 19:18	221509



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-036
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: OW-257
Collection Date: 04/17/2024 14:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/23/2024 17:14	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-037
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: PZ-170
Collection Date: 04/17/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		14.25	ft	1	04/17/2024 10:45	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.0	NTU	1	04/17/2024 10:45	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-174	mV	1	04/17/2024 10:45	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1870	µS/cm	1	04/17/2024 10:45	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.4	°C	1	04/17/2024 10:45	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.70	mg/L	1	04/17/2024 10:45	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		6.62		1	04/17/2024 10:45	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		640	mg/L	1	04/18/2024 17:40	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/18/2024 17:40	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1140	mg/L	1	04/19/2024 9:41	R346097
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		236	mg/L	10	04/19/2024 23:59	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.21	mg/L	1	04/25/2024 12:14	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		75	mg/L	10	04/19/2024 23:59	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		218	mg/L	1	04/19/2024 19:05	221509
Magnesium	NELAP	0.0250	0.0500		90.5	mg/L	1	04/19/2024 19:05	221509
Potassium	NELAP	0.0400	0.100		1.59	mg/L	1	04/19/2024 19:05	221509
Sodium	NELAP	0.0180	0.0500		97.6	mg/L	1	04/19/2024 19:05	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/20/2024 19:24	221509
Arsenic	NELAP	0.0004	0.0010		0.0019	mg/L	5	04/20/2024 19:24	221509
Barium	NELAP	0.0007	0.0010		0.0866	mg/L	5	04/20/2024 19:24	221509
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 19:24	221509
Boron	NELAP	0.0092	0.0250		0.296	mg/L	5	04/20/2024 19:24	221509
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 19:24	221509
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	04/20/2024 19:24	221509
Cobalt	NELAP	0.0001	0.0010		0.0026	mg/L	5	04/20/2024 19:24	221509
Lead	NELAP	0.0006	0.0010		0.0020	mg/L	5	04/25/2024 19:45	221509
Lithium	*	0.0015	0.0030		0.0349	mg/L	5	04/20/2024 19:24	221509
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/20/2024 19:24	221509
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 19:24	221509
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 19:24	221509



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-037
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: PZ-170
Collection Date: 04/17/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/23/2024 17:16	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-038
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: PZ-182
Collection Date: 04/17/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		17.16	ft	1	04/17/2024 11:58	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	04/17/2024 11:58	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-141	mV	1	04/17/2024 11:58	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1170	µS/cm	1	04/17/2024 11:58	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.1	°C	1	04/17/2024 11:58	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.06	mg/L	1	04/17/2024 11:58	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		6.66		1	04/17/2024 11:58	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		451	mg/L	1	04/18/2024 17:48	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/18/2024 17:48	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		734	mg/L	1	04/18/2024 11:06	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		150	mg/L	10	04/20/2024 0:07	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.18	mg/L	1	04/25/2024 12:17	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		37	mg/L	1	04/20/2024 0:01	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		154	mg/L	1	04/19/2024 19:05	221509
Magnesium	NELAP	0.0250	0.0500		58.4	mg/L	1	04/19/2024 19:05	221509
Potassium	NELAP	0.0400	0.100		0.625	mg/L	1	04/19/2024 19:05	221509
Sodium	NELAP	0.0180	0.0500		42.0	mg/L	1	04/19/2024 19:05	221509
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/20/2024 19:53	221509
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	04/20/2024 19:53	221509
Barium	NELAP	0.0007	0.0010		0.0672	mg/L	5	04/20/2024 19:53	221509
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 19:53	221509
Boron	NELAP	0.0092	0.0250		0.499	mg/L	5	04/20/2024 19:53	221509
Cadmium	NELAP	0.0002	0.0010	J	0.0004	mg/L	5	04/20/2024 19:53	221509
Chromium	NELAP	0.0007	0.0015	J	0.0014	mg/L	5	04/20/2024 19:53	221509
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	04/20/2024 19:53	221509
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/25/2024 19:51	221509
Lithium	*	0.0015	0.0030		0.0149	mg/L	5	04/20/2024 19:53	221509
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/20/2024 19:53	221509
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/20/2024 19:53	221509
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 19:53	221509

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-038
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: PZ-182
Collection Date: 04/17/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00018	mg/L	1	04/23/2024 17:19	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-039
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: TPZ-164

Collection Date: 04/18/2024 12:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.68	ft	1	04/18/2024 12:29	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.2	NTU	1	04/18/2024 12:29	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-123	mV	1	04/18/2024 12:29	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		861	µS/cm	1	04/18/2024 12:29	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.8	°C	1	04/18/2024 12:29	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.66	mg/L	1	04/18/2024 12:29	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.25		1	04/18/2024 12:29	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		275	mg/L	1	04/19/2024 16:58	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 16:58	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		565	mg/L	2.5	04/23/2024 10:33	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		118	mg/L	5	04/20/2024 0:10	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	04/25/2024 13:05	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		49	mg/L	5	04/20/2024 0:09	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		76.7	mg/L	1	04/22/2024 17:28	221725
Magnesium	NELAP	0.0055	0.0500		29.5	mg/L	1	04/22/2024 17:28	221725
Potassium	NELAP	0.0400	0.100		8.10	mg/L	1	04/22/2024 17:28	221725
Sodium	NELAP	0.0180	0.0500		70.7	mg/L	1	04/22/2024 17:28	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	04/23/2024 12:16	221725
Arsenic	NELAP	0.0004	0.0010	J	0.0009	mg/L	5	04/23/2024 2:31	221725
Barium	NELAP	0.0007	0.0010		0.0689	mg/L	5	04/23/2024 2:31	221725
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 2:31	221725
Boron	NELAP	0.0092	0.0250		1.05	mg/L	5	04/23/2024 2:31	221725
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 2:31	221725
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 12:16	221725
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/23/2024 2:31	221725
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 2:31	221725
Lithium	*	0.0015	0.0030		0.0115	mg/L	5	04/23/2024 2:31	221725
Molybdenum	NELAP	0.0006	0.0015		0.0142	mg/L	5	04/23/2024 2:31	221725
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 12:16	221725
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/23/2024 2:31	221725

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-039
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: TPZ-164
Collection Date: 04/18/2024 12:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00015	mg/L	1	04/23/2024 17:21	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-040
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: XPW01
Collection Date: 04/18/2024 8:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.70	ft	1	04/18/2024 8:41	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.6	NTU	1	04/18/2024 8:41	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-110	mV	1	04/18/2024 8:41	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		734	µS/cm	1	04/18/2024 8:41	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.9	°C	1	04/18/2024 8:41	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.82	mg/L	1	04/18/2024 8:41	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		6.88		1	04/18/2024 8:41	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		204	mg/L	1	04/19/2024 17:05	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 17:05	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		430	mg/L	1	04/23/2024 10:59	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		112	mg/L	5	04/23/2024 12:58	R346241
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.55	mg/L	1	04/25/2024 13:06	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		46	mg/L	1	04/20/2024 0:15	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		70.2	mg/L	1	04/22/2024 17:29	221725
Magnesium	NELAP	0.0055	0.0500		24.3	mg/L	1	04/22/2024 17:29	221725
Potassium	NELAP	0.0400	0.100		8.44	mg/L	1	04/22/2024 17:29	221725
Sodium	NELAP	0.0180	0.0500		46.7	mg/L	1	04/22/2024 17:29	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	04/23/2024 12:22	221725
Arsenic	NELAP	0.0004	0.0010	J	0.0010	mg/L	5	04/23/2024 2:37	221725
Barium	NELAP	0.0007	0.0010		0.0952	mg/L	5	04/23/2024 2:37	221725
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 2:37	221725
Boron	NELAP	0.0092	0.0250		0.563	mg/L	5	04/23/2024 2:37	221725
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 2:37	221725
Chromium	NELAP	0.0007	0.0015		0.0017	mg/L	5	04/23/2024 12:22	221725
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	04/23/2024 2:37	221725
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 2:37	221725
Lithium	*	0.0015	0.0030		0.0100	mg/L	5	04/23/2024 2:37	221725
Molybdenum	NELAP	0.0006	0.0015		0.0282	mg/L	5	04/23/2024 2:37	221725
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 12:22	221725
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/23/2024 2:37	221725

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-040
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: XPW01
Collection Date: 04/18/2024 8:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020	J	0.00015	mg/L	1	04/23/2024 17:23	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-041
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: XPW05
Collection Date: 04/18/2024 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.56	ft	1	04/18/2024 9:20	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	04/18/2024 9:20	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-101	mV	1	04/18/2024 9:20	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		859	µS/cm	1	04/18/2024 9:20	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.6	°C	1	04/18/2024 9:20	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.40	mg/L	1	04/18/2024 9:20	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.03		1	04/18/2024 9:20	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		267	mg/L	1	04/19/2024 17:11	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 17:11	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		492	mg/L	1	04/23/2024 11:00	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		114	mg/L	5	04/20/2024 0:52	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.49	mg/L	1	04/25/2024 13:35	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		51	mg/L	5	04/20/2024 0:52	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		60.4	mg/L	1	04/22/2024 17:31	221725
Magnesium	NELAP	0.0055	0.0500		24.7	mg/L	1	04/22/2024 17:31	221725
Potassium	NELAP	0.0400	0.100		8.95	mg/L	1	04/22/2024 17:31	221725
Sodium	NELAP	0.0180	0.0500		85.5	mg/L	1	04/22/2024 17:31	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	0.0007	mg/L	5	04/23/2024 12:27	221725
Arsenic	NELAP	0.0004	0.0010		0.0091	mg/L	5	04/23/2024 3:46	221725
Barium	NELAP	0.0007	0.0010		0.294	mg/L	5	04/23/2024 3:46	221725
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 3:46	221725
Boron	NELAP	0.0092	0.0250		0.870	mg/L	5	04/23/2024 3:46	221725
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 3:46	221725
Chromium	NELAP	0.0007	0.0015		0.0029	mg/L	5	04/23/2024 12:27	221725
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	04/23/2024 3:46	221725
Lead	NELAP	0.0006	0.0010		0.0012	mg/L	5	04/23/2024 3:46	221725
Lithium	*	0.0015	0.0030		0.0061	mg/L	5	04/23/2024 3:46	221725
Molybdenum	NELAP	0.0006	0.0015		0.0119	mg/L	5	04/23/2024 3:46	221725
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 12:27	221725
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/23/2024 3:46	221725

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-041
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: XPW05
Collection Date: 04/18/2024 9:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/23/2024 17:26	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-042
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: XPW06
Collection Date: 04/18/2024 9:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.24	ft	1	04/18/2024 9:47	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.8	NTU	1	04/18/2024 9:47	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-99	mV	1	04/18/2024 9:47	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		673	µS/cm	1	04/18/2024 9:47	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.2	°C	1	04/18/2024 9:47	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.76	mg/L	1	04/18/2024 9:47	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.16		1	04/18/2024 9:47	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		256	mg/L	1	04/19/2024 17:18	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 17:18	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		386	mg/L	1	04/23/2024 11:00	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		103	mg/L	10	04/20/2024 1:00	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.39	mg/L	1	04/25/2024 13:28	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	2	mg/L	1	04/20/2024 0:55	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		69.3	mg/L	1	04/22/2024 17:33	221725
Magnesium	NELAP	0.0055	0.0500		20.1	mg/L	1	04/22/2024 17:33	221725
Potassium	NELAP	0.200	0.500		18.2	mg/L	5	04/23/2024 11:30	221725
Sodium	NELAP	0.0180	0.0500		37.4	mg/L	1	04/22/2024 17:33	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		0.0011	mg/L	5	04/24/2024 13:57	221725
Arsenic	NELAP	0.0004	0.0010		0.0045	mg/L	5	04/23/2024 3:52	221725
Barium	NELAP	0.0007	0.0010		0.129	mg/L	5	04/23/2024 3:52	221725
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 3:52	221725
Boron	NELAP	0.0092	0.0250		2.64	mg/L	5	04/23/2024 3:52	221725
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 3:52	221725
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	04/23/2024 13:12	221725
Cobalt	NELAP	0.0001	0.0010	J	0.0005	mg/L	5	04/23/2024 3:52	221725
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 3:52	221725
Lithium	*	0.0015	0.0030		0.0058	mg/L	5	04/23/2024 3:52	221725
Molybdenum	NELAP	0.0006	0.0015		0.0516	mg/L	5	04/23/2024 3:52	221725
Selenium	NELAP	0.0006	0.0010	J	0.0008	mg/L	5	04/23/2024 13:12	221725
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/23/2024 3:52	221725



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-042
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: XPW06
Collection Date: 04/18/2024 9:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/23/2024 17:28	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-043
Matrix: AQUEOUS

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: Field Blank

Collection Date: 04/18/2024 11:45

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		1	mg/L	1	04/19/2024 17:25	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 17:25	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	04/23/2024 11:22	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	04/20/2024 1:05	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	04/25/2024 15:06	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	04/20/2024 1:05	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	04/22/2024 17:34	221725
Magnesium	NELAP	0.0055	0.050	J	0.018	mg/L	1	04/22/2024 17:34	221725
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	04/22/2024 17:34	221725
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	04/22/2024 17:34	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	0.0009	mg/L	5	04/23/2024 13:17	221725
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/23/2024 3:58	221725
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	04/23/2024 3:58	221725
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 3:58	221725
Boron	NELAP	0.0092	0.0250		0.0294	mg/L	5	04/23/2024 3:58	221725
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 3:58	221725
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 13:17	221725
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/23/2024 3:58	221725
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 3:58	221725
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/23/2024 3:58	221725
Molybdenum	NELAP	0.0006	0.0015	J	0.0007	mg/L	5	04/23/2024 3:58	221725
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 13:17	221725
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/23/2024 3:58	221725
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/23/2024 17:30	221711



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-044
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-304 Duplicate
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.21	ft	1	04/16/2024 11:30	R346175
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.1	NTU	1	04/16/2024 11:30	R346175
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		44	mV	1	04/16/2024 11:30	R346175
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2460	µS/cm	1	04/16/2024 11:30	R346175
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	04/16/2024 11:30	R346175
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.21	mg/L	1	04/16/2024 11:30	R346175
SW-846 9040B FIELD									
pH	*	0	1.00		7.81		1	04/16/2024 11:30	R346175
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		789	mg/L	1	04/19/2024 13:01	R345998
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		20	mg/L	1	04/19/2024 13:01	R345998
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1450	mg/L	1	04/18/2024 10:43	R346011
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		184	mg/L	10	04/18/2024 18:06	R345984
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		1.80	mg/L	1	04/25/2024 11:31	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		165	mg/L	10	04/18/2024 18:07	R345964
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		10.1	mg/L	1	04/19/2024 21:01	221595
Magnesium	NELAP	0.0055	0.0500		4.16	mg/L	1	04/19/2024 21:01	221595
Potassium	NELAP	0.0400	0.100		2.11	mg/L	1	04/19/2024 21:01	221595
Sodium	NELAP	0.0180	0.0500		564	mg/L	1	04/19/2024 21:01	221595
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	B	< 0.0010	mg/L	5	04/23/2024 11:11	221595
Arsenic	NELAP	0.0004	0.0010		0.0031	mg/L	5	04/20/2024 12:33	221595
Barium	NELAP	0.0007	0.0010		0.0189	mg/L	5	04/20/2024 12:33	221595
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 12:33	221595
Boron	NELAP	0.0092	0.0250		1.76	mg/L	5	04/23/2024 1:04	221595
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/20/2024 12:33	221595
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	04/23/2024 11:11	221595
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/20/2024 12:33	221595
Lead	NELAP	0.0006	0.0010	B	< 0.0010	mg/L	5	04/20/2024 12:33	221595
Lithium	*	0.0015	0.0030		0.0813	mg/L	5	04/23/2024 1:04	221595
Molybdenum	NELAP	0.0006	0.0015	J	0.0013	mg/L	5	04/20/2024 12:33	221595
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 11:11	221595
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/20/2024 12:33	221595

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

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-044
Matrix: GROUNDWATER

Work Order: 24040437
Report Date: 17-May-24
Client Sample ID: MW-304 Duplicate
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/19/2024 13:02	221681



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040437-045
Matrix: AQUEOUS

Work Order: 24040437
Report Date: 17-May-24

Client Sample ID: Equipment Blank 1

Collection Date: 04/18/2024 15:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		1	mg/L	1	04/19/2024 17:27	R346073
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	04/19/2024 17:27	R346073
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	04/23/2024 11:22	R346231
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	04/20/2024 1:08	R346075
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	04/25/2024 13:30	R346326
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	04/20/2024 1:08	R346082
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		< 0.100	mg/L	1	04/22/2024 17:36	221725
Magnesium	NELAP	0.0055	0.0500		< 0.0500	mg/L	1	04/22/2024 17:36	221725
Potassium	NELAP	0.0400	0.100		< 0.100	mg/L	1	04/22/2024 17:36	221725
Sodium	NELAP	0.0180	0.0500		< 0.0500	mg/L	1	04/22/2024 17:36	221725
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	BJ	0.0005	mg/L	5	04/23/2024 13:22	221725
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	04/23/2024 4:04	221725
Barium	NELAP	0.0007	0.0010		< 0.0010	mg/L	5	04/23/2024 4:04	221725
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 4:04	221725
Boron	NELAP	0.0092	0.025	J	0.010	mg/L	5	04/23/2024 4:04	221725
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	04/23/2024 4:04	221725
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	04/23/2024 13:22	221725
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	04/23/2024 4:04	221725
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 4:04	221725
Lithium	*	0.0015	0.0030		< 0.0030	mg/L	5	04/23/2024 4:04	221725
Molybdenum	NELAP	0.0006	0.0015		< 0.0015	mg/L	5	04/23/2024 4:04	221725
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	04/23/2024 13:22	221725
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	04/23/2024 4:04	221725
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	04/23/2024 17:32	221711



Sample Summary

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

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040437
Report Date: 17-May-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24040437-009	MW-192	Groundwater	2	04/16/2024 11:39
24040437-010	MW-193	Groundwater	2	04/16/2024 10:44
24040437-013	MW-304	Groundwater	4	04/16/2024 11:30
24040437-014	MW-306	Groundwater	4	
24040437-018	MW-356	Groundwater	2	04/16/2024 12:23
24040437-019	MW-358	Groundwater	2	04/17/2024 10:17
24040437-021	MW-369	Groundwater	2	04/16/2024 13:18
24040437-022	MW-370	Groundwater	2	04/16/2024 13:39
24040437-025	MW-382	Groundwater	2	04/17/2024 13:07
24040437-030	MW-392	Groundwater	2	04/16/2024 11:52
24040437-031	MW-393	Groundwater	2	04/16/2024 11:04
24040437-032	MW-394	Groundwater	2	04/16/2024 10:10
24040437-035	OW-256	Groundwater	2	04/17/2024 15:00
24040437-036	OW-257	Groundwater	2	04/17/2024 14:29
24040437-037	PZ-170	Groundwater	2	04/17/2024 10:45
24040437-038	PZ-182	Groundwater	2	04/17/2024 11:58
24040437-039	TPZ-164	Groundwater	2	04/18/2024 12:29
24040437-040	XPW01	Groundwater	2	04/18/2024 8:41
24040437-041	XPW05	Groundwater	2	04/18/2024 9:20
24040437-042	XPW06	Groundwater	2	04/18/2024 9:47
24040437-043	Field Blank	Aqueous	4	04/18/2024 11:45
24040437-044	MW-304 Duplicate	Groundwater	4	04/16/2024 11:30
24040437-045	Equipment Blank 1	Aqueous	4	04/18/2024 15:20



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

STANDARD METHODS 2510 B FIELD

Batch R346175		SampType: LCS		Units µS/cm							
SampID: LCS-1											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	04/16/2024

Batch R346175		SampType: LCS		Units µS/cm							
SampID: LCS-2											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	04/17/2024

Batch R346175		SampType: LCS		Units µS/cm							
SampID: LCS-3											
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	04/18/2024

Batch R346175		SampType: LCS		Units µS/cm							
SampID: LCS-4											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	04/16/2024

Batch R346175		SampType: LCS		Units µS/cm							
SampID: LCS-5											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	99.8	90	110	04/17/2024

Batch R346175		SampType: LCS		Units µS/cm							
SampID: LCS-6											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1370	1412	0	96.8	90	110	04/18/2024

SW-846 9040B FIELD

Batch R346175		SampType: LCS		Units							
SampID: LCS-1											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH		*	1.00		7.00	7.000	0	100.0	98.57	101.4	04/16/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9040B FIELD

Batch	R346175	SampType:	LCS	Units								Date
SampID:		LCS-2										Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/17/2024		

Batch	R346175	SampType:	LCS	Units								Date
SampID:		LCS-3										Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/18/2024		

Batch	R346175	SampType:	LCS	Units								Date
SampID:		LCS-4										Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.07	7.000	0	101.0	98.57	101.4	04/16/2024		

Batch	R346175	SampType:	LCS	Units								Date
SampID:		LCS-5										Analyzed
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	04/17/2024		

Batch	R346175	SampType:	LCS	Units								Date
SampID:		LCS-6										Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.04	7.000	0	100.6	98.57	101.4	04/18/2024		

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch	R345963	SampType:	MBLK	Units mg/L								Date
SampID:		MBLK										Analyzed
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	04/17/2024		

Batch	R345963	SampType:	LCS	Units mg/L								Date
SampID:		LCS										Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Total Dissolved Solids		20		950	1000	0	95.0	90	110	04/17/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R345963		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed	
SampID: 24041299-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			50		360				345.0	4.26	04/17/2024	

Batch R346011		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
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	04/18/2024

Batch R346011		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		940	1000	0	94.0	90	110	04/18/2024	

Batch R346011		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed	
SampID: 24041394-003ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			20		360				362.0	0.55	04/18/2024	

Batch R346011		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed	
SampID: 24041396-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			20		424				420.0	0.95	04/18/2024	

Batch R346011		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed	
SampID: 24041526-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			20		384				372.0	3.17	04/18/2024	

Batch R346097		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	04/19/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	04/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346097 SampType: LCS Units mg/L
SampleID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		934	1000	0	93.4	90	110	04/19/2024
Total Dissolved Solids		20		948	1000	0	94.8	90	110	04/19/2024

Batch R346097 SampType: DUP Units mg/L
SampleID: 24040437-026ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		902				874.0	3.15	04/19/2024

Batch R346097 SampType: DUP Units mg/L
SampleID: 24041555-007ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		490				525.0	6.90	04/19/2024

Batch R346231 SampType: MBLK Units mg/L
SampleID: 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	04/23/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/23/2024

Batch R346231 SampType: LCS Units mg/L
SampleID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		936	1000	0	93.6	90	110	04/23/2024
Total Dissolved Solids		20		902	1000	0	90.2	90	110	04/23/2024

Batch R346231 SampType: DUP Units mg/L
SampleID: 24040437-042ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		394				386.0	2.05	04/23/2024

Batch R346231 SampType: DUP Units mg/L
SampleID: 24041834-002ADUP

RPD Limit: 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		1990				1994	0.00	04/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch	R345858	SampType:	MBLK	Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	04/16/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	04/16/2024	

Batch	R345858	SampType:	LCS	Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrite (as N)			0.05		0.30	0.3045	0	100.2	90	110	04/16/2024
Nitrogen, Nitrite (as N)			0.05		0.30	0.3045	0	100.2	90	110	04/16/2024

Batch R345858		SampType: MS		Units mg/L							
SampID: 24041343-001AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	98.0	85	115	04/16/2024

Batch R345858		SampType: MSD		Units mg/L					RPD Limit: 10		
SampID: 24041343-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	98.2	0.4900	0.20	04/16/2024

Batch R345858		SampType: MS		Units mg/L							
SampID: 24041394-003AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	90.6	85	115	04/16/2024	

Batch R345858		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041394-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.45	0.5000	0	90.6	0.4530	0.00	04/16/2024

Batch R345858		SampType: MS		Units mg/L							
SampID: 24041396-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.44	0.5000	0	87.8	85	115	04/16/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch	R345858	SampType:	MSD	Units						mg/L		RPD Limit: 10	
SampleID: 24041396-001AMSD												Date	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed			
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	91.4	0.4390	4.02	04/16/2024			

Batch R345979		SampType: MBLK		Units mg/L							
SampleID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	04/18/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	04/18/2024	

Batch	R345979	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)		0.05		0.33	0.3045	0	107.4	90	110	04/18/2024		
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	106.7	90	110	04/18/2024		

Batch R345979		SampType: MS		Units mg/L							
SampleID: 24040437-003AMS										Date	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.4	85	115	04/18/2024	

Batch R345979		SampType: MSD		Units mg/L				RPD Limit: 10			
SampleID: 24040437-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.46	0.5000	0	92.4	0.4620	0.00	04/18/2024

Batch R345979		SampType: MS		Units mg/L							
SampleID: 24041604-001AMS											
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	101.0	85	115	04/18/2024	

Batch R345979		SampType: MSD		Units mg/L				RPD Limit: 10			
SampleID: 24041604-001AMSD											
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	101.8	0.5050	0.79	04/18/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch R345979 SampType: MS Units mg/L

SampID: 24041675-002AMS

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	89.4	85	115	04/18/2024

Batch R345979 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24041675-002AMSD

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	88.4	0.4470	1.12	04/18/2024

Batch R346038 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	04/19/2024

Batch R346038 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)		0.05		0.30	0.3045	0	99.5	90	110	04/19/2024

Batch R346038 SampType: MS Units mg/L

SampID: 24040437-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.2	85	115	04/19/2024

Batch R346038 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24040437-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.6	0.4710	1.48	04/19/2024

Batch R346038 SampType: MS Units mg/L

SampID: 24040437-006AMS

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	95.6	85	115	04/19/2024

Batch R346038 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24040437-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.6	0.4780	0.00	04/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch R346038 SampType: MS Units mg/L

SampleID: 24040437-011AMS

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	0.007000	97.6	85	115	04/19/2024

Batch R346038 SampType: MSD Units mg/L

RPD Limit: 10

SampleID: 24040437-011AMSD

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	0.007000	97.2	0.4950	0.40	04/19/2024

Batch R346038 SampType: MS Units mg/L

SampleID: 24041754-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	0.49	0.5000	0.009000	96.8	85	115	04/19/2024

Batch R346038 SampType: MSD Units mg/L

RPD Limit: 10

SampleID: 24041754-001BMDS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	0.50	0.5000	0.009000	99.0	0.4930	2.21	04/19/2024

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

Batch R345914 SampType: MBLK Units mg/L

SampleID: 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						04/17/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	04/17/2024

Batch R345914 SampType: LCS Units mg/L

SampleID: 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		0.507	0.5000	0	101.4	90	110	04/17/2024

Batch R345914 SampType: MS Units mg/L

SampleID: 24041394-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.236	0.2500	0	94.4	85	115	04/17/2024



Quality Control Results

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

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040437
Report Date: 17-May-24

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

Batch R345914		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24041394-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.241	0.2500	0	96.4	0.2360	2.10	04/17/2024

Batch R345914		SampType: MS		Units mg/L							
SampID: 24041396-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.240	0.2500	0	96.0	85	115	04/17/2024	

Batch R345914		SampType: MSD		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: 24041396-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.240	0.2500	0	96.0	0.2400	0.00	04/17/2024	

Batch R345914		SampType: MS		Units mg/L							
SampID: 24041414-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		27.8	12.50	14.80	103.8	90	110	04/17/2024	

Batch R345914		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed	
SampID: 24041414-004AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)			2.50		27.2	12.50	14.80	99.5	27.78	1.99	04/17/2024	

Batch R345914		SampType: MS		Units mg/L							
SampID: 24041453-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		35.1	12.50	22.75	98.6	90	110	04/17/2024	

Batch R345914		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041453-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		35.1	12.50	22.75	98.5	35.07	0.04	04/17/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch R346070		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						04/19/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	04/19/2024	

Batch R346070		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.508	0.5000	0	101.6	90	110	04/19/2024	

Batch R346070		SampType: MS		Units mg/L							Date
SampID: 24040437-016AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		2.50		27.9	12.50	15.45	99.5	85	115	04/19/2024	

Batch R346070		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 24040437-016AMSD											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		2.50		27.9	12.50	15.45	99.4	27.88	0.03	04/19/2024	

Batch R346070		SampType: MS		Units mg/L							Date
SampID: 24041446-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.256	0.2500	0	102.4	90	110	04/19/2024	

Batch R346070		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 24041446-004AMSD											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.256	0.2500	0	102.4	0.2560	0.00	04/19/2024	

Batch R346070		SampType: MS		Units mg/L							Date
SampID: 24041447-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.23	1.250	1.956	102.2	90	110	04/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch R346070		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24041447-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.250		3.19	1.250	1.956	98.9	3.234	1.31	04/19/2024

Batch R346070		SampType: MS		Units mg/L							
SampID: 24041526-001AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.238	0.2500	0	95.2	85	115	04/19/2024	

Batch R346070		SampType: MSD		Units mg/L				RPD Limit: 10				Date Analyzed
SampID: 24041526-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.242	0.2500	0	96.8	0.2380	1.67	04/19/2024	

Batch R346070		SampType: MS		Units mg/L							
SampID: 24041566-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		9.68	5.000	4.818	97.2	90	110	04/19/2024	

Batch R346070		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041566-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		9.75	5.000	4.818	98.6	9.677	0.71	04/19/2024

Batch R346070		SampType: MS		Units mg/L							
SampID: 24041606-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		24.2	12.50	11.53	101.7	90	110	04/19/2024	

Batch	R346070	SampType:	MSD	Units					mg/L			RPD Limit: 10	
SampID: 24041606-001BMSD												Date	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed			
Nitrogen, Nitrate-Nitrite (as N)		2.50		24.6	12.50	11.53	105.0	24.24	1.65	04/19/2024			

Batch R346070		SampType: MS		Units mg/L							
SampID: 24041675-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.219	0.2500	0	87.6	85	115	04/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch R346070		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041675-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.224	0.2500	0	89.6	0.2190	2.26	04/19/2024

Batch R346070		SampType: MS		Units mg/L							
SampID: 24041754-005BMS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.254	0.2500	0	101.6	85	115	04/19/2024

Batch R346070		SampType:	MSD		Units mg/L				RPD Limit: 10			
SampID: 24041754-005BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)				0.050		0.252	0.2500	0	100.8	0.2540	0.79	04/19/2024

Batch R346070		SampType: MS		Units mg/L							
SampID: 24041754-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	0.611	0.2500	0.3510	104.0	85	115	04/19/2024	

Batch R346070		SampType:	MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24041754-008BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)				0.050	H	0.613	0.2500	0.3510	104.8	0.6110	0.33	04/19/2024

Batch R346070		SampType: MS		Units mg/L							
SampID: 24041778-005BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.321	0.2500	0.06400	102.8	85	115	04/19/2024

Batch R346070		SampType:	MSD		Units mg/L			RPD Limit: 10			
SampID: 24041778-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.320	0.2500	0.06400	102.4	0.3210	0.31	04/19/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch R346166		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						04/23/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	04/23/2024	

Batch R346166		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.538	0.5000	0	107.6	90	110	04/23/2024	

Batch R346166		SampType: MS		Units mg/L							Date
SampID: 24041774-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.250	H	3.68	1.250	2.469	96.8	85	115	04/23/2024	

Batch R346166		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 24041774-001EMSD											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.250	H	3.66	1.250	2.469	95.3	3.679	0.52	04/23/2024	

Batch R346166		SampType: MS		Units mg/L							Date
SampID: 24041835-002AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.7	5.000	10.71	99.2	90	110	04/23/2024	

Batch R346166		SampType: MSD		Units mg/L							RPD Limit: 10
SampID: 24041835-002AMSD											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.3	5.000	10.71	92.3	15.67	2.24	04/23/2024	

Batch R346166		SampType: MS		Units mg/L							Date
SampID: 24041886-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.05		0.24	0.2500	0	95.6	90	110	04/23/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch R346166		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041886-001AMSD											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.05		0.24	0.2500	0	96.4	0.2390	0.83	04/23/2024

Batch R346166		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24040437-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	JH	0.021				0.02500	0.00	04/23/2024

SW-846 9036 (DISSOLVED)

Batch R346075		SampType: MS		Units mg/L							
SampID: 24040437-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		202	100.0	106.4	95.8	85	115	04/19/2024	

Batch R346075		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24040437-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		206	100.0	106.4	99.8	202.2	1.95	04/19/2024

Batch R346241		SampType: MS		Units mg/L							
SampID: 24041778-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		340	200.0	157.3	91.1	85	115	04/23/2024	

Batch R346241		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041778-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		349	200.0	157.3	95.9	339.6	2.77	04/23/2024

SW-846 9036 (TOTAL)

Batch R345984		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	04/18/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9036 (TOTAL)

Batch R345984 SampType: LCS Units mg/L

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		19	20.00	0	95.2	90	110	04/18/2024

Batch R345984 SampType: MS Units mg/L

SampID: 24040437-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	31	20.00	14.40	81.4	85	115	04/18/2024

Batch R345984 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24040437-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	31	20.00	14.40	82.6	30.67	0.81	04/18/2024

Batch R345984 SampType: MS Units mg/L

SampID: 24040437-018AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		79	40.00	44.63	86.5	85	115	04/18/2024

Batch R345984 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24040437-018AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		81	40.00	44.63	91.0	79.22	2.25	04/18/2024

Batch R345984 SampType: MS Units mg/L

SampID: 24041299-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		78	40.00	41.15	92.1	85	115	04/18/2024

Batch R345984 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24041299-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		80	40.00	41.15	96.6	78.00	2.26	04/18/2024

Batch R345984 SampType: MS Units mg/L

SampID: 24041526-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		50	20.00	31.91	88.2	85	115	04/18/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9036 (TOTAL)

Batch R345984		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041526-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		50	20.00	31.91	89.5	49.55	0.50	04/18/2024

Batch R346075		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	04/19/2024	

Batch R346075		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		19	20.00	0	93.8	90	110	04/19/2024	

Batch R346075		SampType: MS		Units mg/L							
SampID: 24040437-004AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		50	S	183	100.0	101.4	82.0	85	115	04/19/2024	

Batch R346075		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24040437-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		192	100.0	101.4	90.7	183.4	4.63	04/19/2024

Batch R346075		SampType: MS		Units mg/L							
SampID: 24040437-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	E	101	40.00	63.06	94.8	85	115	04/19/2024	

Batch R346075		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24040437-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20		100	40.00	63.06	92.1	101.0	1.08	04/19/2024

Batch R346075		SampType: MS		Units mg/L							
SampID: 24041394-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		71	40.00	34.55	91.8	85	115	04/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9036 (TOTAL)

Batch R346075		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041394-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20		73	40.00	34.55	95.4	71.25	2.03	04/19/2024

Batch R346075		SampType: MS		Units mg/L							
SampID: 24041396-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	27	20.00	13.49	66.0	85	115	04/19/2024	

Batch R346075		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed	
SampID: 24041396-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			10	S	26	20.00	13.49	64.6	26.69	1.05	04/19/2024	

Batch R346075		SampType: MS		Units mg/L							
SampID: 24041555-009AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		46	20.00	28.74	85.1	85	115	04/19/2024	

Batch R346075		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed	
SampID: 24041555-009AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		46	20.00	28.74	87.6	45.76	1.07	04/19/2024		

Batch R346075		SampType: MS		Units mg/L							
SampID: 24041675-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	S	145	100.0	67.78	77.2	85	115	04/19/2024	

Batch R346075		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24041675-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	S	150	100.0	67.78	81.9	145.0	3.21	04/19/2024

Batch R346241		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	04/23/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9036 (TOTAL)

Batch R346241 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		21	20.00	0	102.6	90	110	04/23/2024

Batch R346241 SampType: MS Units mg/L

SampID: 24040437-040AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		201	100.0	112.0	89.0	85	115	04/23/2024

Batch R346241 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24040437-040AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		203	100.0	112.0	91.1	201.0	1.06	04/23/2024

Batch R346241 SampType: MS Units mg/L

SampID: 24041684-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		5000		20200	10000	10760	94.9	90	110	04/23/2024

Batch R346241 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24041684-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		5000		20300	10000	10760	95.9	20250	0.46	04/23/2024

Batch R346241 SampType: MS Units mg/L

SampID: 24041706-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		331	200.0	151.3	90.0	85	115	04/23/2024

Batch R346241 SampType: MSD Units mg/L

RPD Limit: 10

SampID: 24041706-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		331	200.0	151.3	89.8	331.4	0.16	04/23/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9214 (TOTAL)

Batch R346326		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	04/25/2024	

Batch R346326		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		0.99	1.000	0	98.6	90	110	04/25/2024	

Batch R346326		SampType: MS		Units mg/L							
SampID: 24040437-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.40	2.000	0.2590	107.2	75	125	04/25/2024	

Batch R346326		SampType: MSD		Units mg/L					RPD Limit: 15		
SampID: 24040437-010AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.44	2.000	0.2590	108.9	2.403	1.40	04/25/2024

Batch R346326		SampType: MS		Units mg/L							
SampID: 24040437-013AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.79	2.000	1.689	104.8	75	125	04/25/2024	

Batch R346326		SampType: MSD		Units mg/L					RPD Limit: 15		Date Analyzed
SampID: 24040437-013AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.10		3.88	2.000	1.689	109.4	3.786	2.40	
04/25/2024											

Batch R346326		SampType: MS		Units mg/L							
SampID: 24040437-036AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3950	102.6	75	125	04/25/2024	

Batch R346326		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-036AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.39	2.000	0.3950	99.8	2.446	2.27	04/25/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9214 (TOTAL)

Batch R346326		SampType: MS		Units mg/L							
SampID: 24040437-043AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.04	2.000	0	102.2	75	125	04/25/2024	

Batch R346326		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-043AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.05	2.000	0	102.4	2.043	0.24	04/25/2024

Batch R346326		SampType: MS		Units mg/L							
SampID: 24041586-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.81	2.000	0.6640	107.4	75	125	04/25/2024	

Batch R346326		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041586-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.76	2.000	0.6640	104.6	2.813	2.08	04/25/2024

Batch R346326		SampType: MS		Units mg/L							
SampID: 24041684-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		2.00		150	40.00	105.6	110.8	75	125	04/25/2024	

Batch R346326		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041684-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			2.00		147	40.00	105.6	102.7	149.9	2.20	04/25/2024

SW-846 9251 (DISSOLVED)

Batch R346082		SampType: MS		Units mg/L							
SampID: 24040437-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		134	100.0	41.14	93.3	85	115	04/19/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9251 (DISSOLVED)

Batch R346082		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 24040437-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		20		136	100.0	41.14	94.6	134.5	0.96	04/19/2024	

Batch R346242		SampType: MS		Units mg/L							
SampID: 24041778-005BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		80	40.00	45.79	86.3	85	115	04/23/2024	

Batch R346242		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 24041778-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chloride			8		80	40.00	45.79	86.6	80.30	0.16	04/23/2024

SW-846 9251 (TOTAL)

Batch R345964		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	04/18/2024	

Batch R345964		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	98.4	90	110	04/18/2024	

Batch R345964		SampType: MS		Units mg/L							
SampID: 24040437-009AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		37	20.00	19.92	86.6	85	115	04/18/2024	

Batch R345964		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-009AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		38	20.00	19.92	87.9	37.24	0.70	04/18/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9251 (TOTAL)

Batch R345964		SampType: MS		Units mg/L						
SampID: 24040437-018AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	52	20.00	34.32	89.8	85	115	04/18/2024

Batch R345964		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-018AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	52	20.00	34.32	88.2	52.27	0.59	04/18/2024

Batch R345964		SampType: MS		Units mg/L							
SampID: 24041299-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		29	20.00	10.43	91.2	85	115	04/18/2024	

Batch R345964		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041299-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		29	20.00	10.43	90.8	28.66	0.24	04/18/2024

Batch R345964		SampType: MS		Units mg/L							
SampID: 24041394-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	51	20.00	31.97	96.0	85	115	04/18/2024	

Batch R345964		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041394-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	51	20.00	31.97	93.5	51.18	1.00	04/18/2024

Batch R345964		SampType: MS		Units mg/L							
SampID: 24041396-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		29	20.00	10.46	93.7	85	115	04/18/2024	

Batch R345964		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041396-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		30	20.00	10.46	96.2	29.20	1.73	04/18/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9251 (TOTAL)

Batch R345964		SampType: MS		Units mg/L						
SampID: 24041526-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		47	20.00	29.97	86.0	85	115	04/18/2024

Batch R345964		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041526-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		48	20.00	29.97	90.2	47.17	1.74	04/18/2024

Batch R346082		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	04/19/2024	

Batch R346082		SampType: LCS		Units mg/L								
SampID: ICV/LCS												Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Chloride		4		20	20.00	0	97.6	90	110	04/19/2024		

Batch R346082		SampType: MS		Units mg/L							Date Analyzed
SampID: 24040437-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		129	100.0	40.89	88.0	85	115	04/19/2024	

Batch R346082		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		133	100.0	40.89	92.1	128.9	3.16	04/19/2024

Batch R346082		SampType: MS		Units mg/L							Date Analyzed
SampID: 24040437-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		37	20.00	18.88	88.2	85	115	04/19/2024	

Batch R346082		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		37	20.00	18.88	88.4	36.52	0.14	04/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9251 (TOTAL)

Batch R346082		SampType: MS		Units mg/L							
SampID: 24040437-040AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4	E	68	20.00	46.07	108.2	85	115	04/20/2024	

Batch R346082		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-040AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	67	20.00	46.07	104.8	67.70	0.99	04/20/2024

Batch R346082		SampType: MS		Units mg/L							
SampID: 24041555-009AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		25	20.00	6.200	91.6	85	115	04/19/2024	

Batch R346082		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041555-009AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		25	20.00	6.200	93.0	24.52	1.14	04/19/2024

Batch R346082		SampType: MS		Units mg/L							
SampID: 24041675-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		289	200.0	109.8	89.8	85	115	04/19/2024	

Batch R346082		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041675-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			40		284	200.0	109.8	87.3	289.4	1.78	04/19/2024

Batch R346242		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	04/23/2024	

Batch R346242		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	99.4	90	110	04/23/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 9251 (TOTAL)

Batch R346242		SampType: MS		Units mg/L							Date
SampID: 24041644-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		80		630	400.0	276.3	88.5	85	115	04/23/2024	

Batch R346242		SampType: MSD		Units mg/L							RPD Limit: 15	Date
SampID: 24041644-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		80		628	400.0	276.3	87.9	630.3	0.41			04/23/2024

Batch R346242		SampType: MS		Units mg/L							Date
SampID: 24041684-002AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		2000		16700	10000	7712	90.0	85	115	04/23/2024	

Batch R346242		SampType: MSD		Units mg/L							RPD Limit: 15	Date
SampID: 24041684-002AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		2000		16500	10000	7712	87.7	16710	1.37			04/23/2024

Batch R346242		SampType: MS		Units mg/L							Date
SampID: 24041706-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		238	200.0	50.42	93.8	85	115	04/23/2024	

Batch R346242		SampType: MSD		Units mg/L							RPD Limit: 15	Date
SampID: 24041706-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		251	200.0	50.42	100.3	238.1	5.31			04/23/2024

Batch R346242		SampType: MS		Units mg/L							Date
SampID: 24041708-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	S	43	20.00	26.35	84.8	85	115	04/23/2024	

Batch R346242		SampType: MSD		Units mg/L							RPD Limit: 15	Date
SampID: 24041708-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		44	20.00	26.35	87.0	43.31	0.99			04/23/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221509		SampType: MBLK		Units mg/L						
SampID: MBLK-221509										
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	04/19/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/19/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	04/19/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/19/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	04/19/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/19/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/19/2024

Batch 221509		SampType: LCS		Units mg/L							
SampID: LCS-221509											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.0250		0.523	0.5000	0	104.7	85	115	04/19/2024	
Calcium		0.100		2.53	2.500	0	101.3	85	115	04/19/2024	
Iron		0.0400		2.11	2.000	0	105.5	85	115	04/19/2024	
Magnesium		0.0500		2.43	2.500	0	97.4	85	115	04/19/2024	
Manganese		0.0070		0.505	0.5000	0	100.9	85	115	04/19/2024	
Potassium		0.100		2.64	2.500	0	105.8	85	115	04/19/2024	
Sodium		0.0500		2.56	2.500	0	102.4	85	115	04/19/2024	

Batch 221509		SampType: MS		Units mg/L						
SampID: 24040437-003CMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100	S	198	2.500	192.8	203.2	75	125	04/19/2024
Magnesium		0.0500	S	155	2.500	150.7	162.6	75	125	04/19/2024
Potassium		0.100		3.66	2.500	0.8591	111.8	75	125	04/19/2024
Sodium		0.0500	S	106	2.500	102.3	161.6	75	125	04/19/2024

Batch 221509		SampType: MSD		Units mg/L				RPD Limit: 20		
SampID: 24040437-003CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	201	2.500	192.8	318.8	197.9	1.45	04/19/2024
Magnesium		0.0500	S	157	2.500	150.7	254.3	154.8	1.47	04/19/2024
Potassium		0.100		3.68	2.500	0.8591	112.8	3.655	0.64	04/19/2024
Sodium		0.0500	S	107	2.500	102.3	206.4	106.3	1.05	04/19/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221556 SampType: MBLK Units mg/L

SampleID: MBLK-221556

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	04/19/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/18/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/17/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	04/19/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	04/19/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	04/19/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/17/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/18/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/19/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	04/19/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/18/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/19/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/17/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/18/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/19/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/17/2024

Batch 221556 SampType: LCS Units mg/L

SampleID: LCS-221556

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		0.518	0.5000	0	103.5	85	115	04/19/2024
Calcium		0.100		2.70	2.500	0	107.9	85	115	04/19/2024
Calcium		0.100		2.61	2.500	0	104.5	85	115	04/17/2024
Calcium		0.100		2.64	2.500	0	105.7	85	115	04/18/2024
Iron		0.0400		2.14	2.000	0	107.0	85	115	04/19/2024
Lead		0.0150		0.496	0.5000	0	99.1	85	115	04/19/2024
Magnesium		0.0500		2.36	2.500	0	94.4	85	115	04/17/2024
Magnesium		0.0500		2.54	2.500	0	101.4	85	115	04/18/2024
Magnesium		0.0500		2.48	2.500	0	99.2	85	115	04/19/2024
Manganese		0.0070		0.513	0.5000	0	102.5	85	115	04/19/2024
Potassium		0.100		2.80	2.500	0	111.8	85	115	04/18/2024
Potassium		0.100		2.55	2.500	0	101.9	85	115	04/17/2024
Potassium		0.100		2.72	2.500	0	108.7	85	115	04/19/2024
Sodium		0.0500		2.47	2.500	0	98.8	85	115	04/17/2024
Sodium		0.0500		2.65	2.500	0	106.2	85	115	04/18/2024
Sodium		0.0500		2.64	2.500	0	105.7	85	115	04/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221595 SampType: MBLK Units mg/L

SampleID: MBLK-221595

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	04/19/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/19/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/19/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/19/2024

Batch 221595 SampType: LCS Units mg/L

SampleID: LCS-221595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.40	2.500	0	96.0	85	115	04/19/2024
Magnesium		0.0500		2.25	2.500	0	90.0	85	115	04/19/2024
Potassium		0.100		2.55	2.500	0	101.8	85	115	04/19/2024
Sodium		0.0500		2.38	2.500	0	95.4	85	115	04/19/2024

Batch 221595 SampType: MS Units mg/L

SampleID: 24040437-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		41.6	2.500	39.50	82.4	75	125	04/19/2024
Magnesium		0.0500		24.8	2.500	22.81	80.8	75	125	04/19/2024
Potassium		0.100		8.24	2.500	5.730	100.3	75	125	04/19/2024
Sodium		0.0500	S	1130	2.500	1150	-940.4	75	125	04/19/2024

Batch 221595 SampType: MSD Units mg/L

RPD Limit: 20

SampleID: 24040437-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		41.6	2.500	39.50	82.8	41.56	0.02	04/19/2024
Magnesium		0.0500	S	24.6	2.500	22.81	73.6	24.83	0.74	04/19/2024
Potassium		0.100		8.49	2.500	5.730	110.6	8.239	3.05	04/19/2024
Sodium		0.0500	S	1160	2.500	1150	485.6	1127	3.11	04/19/2024

Batch 221595 SampType: MS Units mg/L

SampleID: 24040437-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		9.47	2.500	7.050	96.8	75	125	04/19/2024
Magnesium		0.0500		6.42	2.500	4.086	93.3	75	125	04/19/2024
Potassium		0.100		5.86	2.500	3.020	113.6	75	125	04/19/2024
Sodium		0.0500	S	1020	2.500	997.4	761.6	75	125	04/19/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221595		SampType: MSD		Units mg/L				RPD Limit: 20		
SampID: 24040437-031BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		9.58	2.500	7.050	101.2	9.470	1.15	04/19/2024
Magnesium		0.0500		6.49	2.500	4.086	96.3	6.419	1.14	04/19/2024
Potassium		0.100		5.89	2.500	3.020	114.9	5.858	0.57	04/19/2024
Sodium		0.0500	S	1020	2.500	997.4	962.0	1016	0.49	04/19/2024

Batch 221725		SampType: MBLK		Units mg/L						
SampID: MBLK-221725										
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	04/22/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	04/22/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	04/22/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	04/22/2024

Batch 221725		SampType: LCS		Units mg/L						
SampID: LCS-221725										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.48	2.500	0	99.2	85	115	04/22/2024
Magnesium		0.0500		2.44	2.500	0	97.7	85	115	04/22/2024
Potassium		0.100		2.60	2.500	0	103.9	85	115	04/22/2024
Sodium		0.0500		2.43	2.500	0	97.4	85	115	04/22/2024

Batch 221725		SampType: MS		Units mg/L						
SampID: 24040437-011CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	203	2.500	208.9	-253.6	75	125	04/22/2024
Magnesium		0.0500	S	83.1	2.500	84.74	-63.9	75	125	04/22/2024
Potassium		0.100		4.54	2.500	1.822	108.8	75	125	04/22/2024
Sodium		0.0500	S	97.1	2.500	97.13	-2.8	75	125	04/22/2024

Batch 221725		SampType: MSD		Units mg/L				RPD Limit: 20		
SampID: 24040437-011CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	208	2.500	208.9	-34.0	202.5	2.67	04/22/2024
Magnesium		0.0500	S	85.6	2.500	84.74	34.2	83.14	2.91	04/22/2024
Potassium		0.100		4.46	2.500	1.822	105.5	4.541	1.78	04/22/2024
Sodium		0.0500	S	96.7	2.500	97.13	-18.8	97.06	0.41	04/22/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221725 SampType: MS Units mg/L

SamplID: 24041557-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	72.1	2.500	71.36	30.0	75	125	04/22/2024

Batch 221725 SampType: MSD Units mg/L

RPD Limit: 20

SamplID: 24041557-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		73.9	2.500	71.36	102.4	72.11	2.48	04/22/2024

Batch 222030 SampType: MBLK Units mg/L

SamplID: MBLK-222030

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	05/01/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/01/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/01/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/01/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/01/2024

Batch 222030 SampType: LCS Units mg/L

SamplID: LCS-222030

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	05/01/2024
Magnesium		0.0500		2.46	2.500	0	98.3	85	115	05/01/2024
Manganese		0.0070		0.507	0.5000	0	101.3	85	115	05/01/2024
Potassium		0.100		2.82	2.500	0	112.8	85	115	05/01/2024
Sodium		0.0500		2.56	2.500	0	102.2	85	115	05/01/2024

Batch 222030 SampType: MS Units mg/L

SamplID: 24041957-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		0.0070		0.553	0.5000	0.002700	110.1	75	125	04/29/2024

Batch 222030 SampType: MSD Units mg/L

RPD Limit: 20

SamplID: 24041957-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese		0.0070		0.563	0.5000	0.002700	112.0	0.5530	1.72	04/29/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 222030		SampType: MS		Units mg/L							
SampID: 24041980-005DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Manganese		0.0070		2.19	0.5000	1.601	117.6	75	125	04/29/2024	

Batch 222030		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 24041980-005DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese			0.0070		2.13	0.5000	1.601	105.5	2.189	2.81	04/29/2024

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

Batch 221599		SampType: MBLK		Units mg/L							
SampID: MBLK-221599											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/22/2024	

Batch 221599		SampType: LCS		Units mg/L							
SampID: LCS-221599											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		0.475	0.5000	0	94.9	80	120	04/22/2024	

Batch 221659		SampType: MBLK		Units mg/L							
SampID: MBLK-221659											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/20/2024	

Batch 221659		SampType: LCS		Units mg/L							
SampID: LCS-221659											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		0.433	0.5000	0	86.6	80	120	04/20/2024	

Batch 221729		SampType: MBLK		Units mg/L							
SampID: MBLK-221729											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/23/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221729		SampType: LCS		Units mg/L							
SampID: LCS-221729											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Boron		0.0250		0.451	0.5000	0	90.2	80	120	04/23/2024	

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

Batch	221509	SampType:	MBLK	Units		mg/L						
SampID:		MBLK-221509										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	04/20/2024		
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	04/20/2024		
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	04/20/2024		
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	04/20/2024		
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/20/2024		
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	04/20/2024		
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	04/20/2024		
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	04/20/2024		
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	04/20/2024		
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	04/25/2024		
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	04/20/2024		
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	04/20/2024		
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	04/20/2024		
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	04/20/2024		
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	04/20/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221509		SampType: LCS		Units mg/L							
SampID: LCS-221509											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		0.516	0.5000	0	103.1	80	120	04/20/2024	
Arsenic		0.0010		0.511	0.5000	0	102.2	80	120	04/20/2024	
Barium		0.0010		2.10	2.000	0	105.0	80	120	04/20/2024	
Beryllium		0.0010		0.0508	0.0500	0	101.6	80	120	04/20/2024	
Boron		0.0250		0.492	0.5000	0	98.5	80	120	04/20/2024	
Cadmium		0.0010		0.0516	0.0500	0	103.2	80	120	04/20/2024	
Chromium		0.0015		0.214	0.2000	0	107.1	80	120	04/20/2024	
Cobalt		0.0010		0.515	0.5000	0	102.9	80	120	04/20/2024	
Iron		0.0250		2.07	2.000	0	103.6	80	120	04/20/2024	
Lead		0.0010		0.565	0.5000	0	113.1	80	120	04/25/2024	
Lithium	*	0.0030		0.502	0.5000	0	100.5	80	120	04/20/2024	
Manganese		0.0020		0.522	0.5000	0	104.3	80	120	04/20/2024	
Molybdenum		0.0015		0.471	0.5000	0	94.1	80	120	04/20/2024	
Selenium		0.0010		0.530	0.5000	0	106.1	80	120	04/20/2024	
Thallium		0.0020		0.218	0.2500	0	87.1	80	120	04/20/2024	

Batch 221509		SampType: MS		Units mg/L						
SampID: 24040437-003CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.517	0.5000	0	103.5	75	125	04/20/2024
Arsenic		0.0010		0.510	0.5000	0	102.0	75	125	04/20/2024
Barium		0.0010		2.05	2.000	0.01600	101.7	75	125	04/20/2024
Beryllium		0.0010		0.0502	0.0500	0	100.5	75	125	04/20/2024
Boron		0.0250	S	4.14	0.5000	3.487	130.2	75	125	04/20/2024
Cadmium		0.0010		0.0516	0.0500	0	103.3	75	125	04/20/2024
Chromium		0.0015		0.208	0.2000	0.0007273	103.7	75	125	04/20/2024
Cobalt		0.0010		0.502	0.5000	0	100.3	75	125	04/20/2024
Iron		0.0250		2.22	2.000	0.07663	107.0	75	125	04/20/2024
Lead		0.0010		0.559	0.5000	0.0008830	111.7	75	125	04/25/2024
Lithium	*	0.0030		0.565	0.5000	0.05430	102.1	75	125	04/20/2024
Manganese		0.0020		0.512	0.5000	0.001188	102.2	75	125	04/20/2024
Molybdenum		0.0015		0.477	0.5000	0.001158	95.2	75	125	04/20/2024
Selenium		0.0010		0.513	0.5000	0	102.6	75	125	04/20/2024
Thallium		0.0020		0.238	0.2500	0	95.1	75	125	04/20/2024



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221509		SampType: MSD		Units mg/L				RPD Limit: 20			Date Analyzed
SampID: 24040437-003CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		0.0010		0.533	0.5000	0	106.5	0.5175	2.89	04/20/2024	
Arsenic		0.0010		0.533	0.5000	0	106.6	0.5102	4.35	04/20/2024	
Barium		0.0010		2.13	2.000	0.01600	105.6	2.050	3.70	04/20/2024	
Beryllium		0.0010		0.0530	0.0500	0	106.0	0.05024	5.39	04/20/2024	
Boron		0.0250	S	4.24	0.5000	3.487	151.0	4.138	2.47	04/20/2024	
Cadmium		0.0010		0.0523	0.0500	0	104.6	0.05163	1.33	04/20/2024	
Chromium		0.0015		0.212	0.2000	0.0007273	105.7	0.2082	1.85	04/20/2024	
Cobalt		0.0010		0.517	0.5000	0	103.4	0.5017	3.05	04/20/2024	
Iron		0.0250		2.12	2.000	0.07663	102.2	2.216	4.40	04/20/2024	
Lead		0.0010		0.574	0.5000	0.0008830	114.7	0.5592	2.65	04/25/2024	
Lithium	*	0.0030		0.583	0.5000	0.05430	105.8	0.5650	3.14	04/20/2024	
Manganese		0.0020		0.516	0.5000	0.001188	103.0	0.5122	0.78	04/20/2024	
Molybdenum		0.0015		0.497	0.5000	0.001158	99.3	0.4771	4.17	04/20/2024	
Selenium		0.0010		0.529	0.5000	0	105.7	0.5128	3.03	04/20/2024	
Thallium		0.0020		0.256	0.2500	0	102.2	0.2378	7.23	04/20/2024	

Batch 221509		SampType: MS		Units mg/L							
SampID: 24040437-008CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Iron		0.0250		2.20	2.000	0.06159	106.8	75	125	04/20/2024	
Manganese		0.0020	S	1.52	0.5000	0.8609	132.0	75	125	04/30/2024	

Batch 221509		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 24040437-008CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			0.0250		2.18	2.000	0.06159	106.0	2.197	0.71	04/20/2024
Manganese			0.0020	S	1.53	0.5000	0.8609	133.9	1.521	0.63	04/30/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221556		SampType: MBLK		Units mg/L							
SampID: MBLK-221556											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	04/23/2024	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	04/20/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	04/20/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	04/22/2024	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/22/2024	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	04/20/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	04/23/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	04/20/2024	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	04/20/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	04/20/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	04/22/2024	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	04/20/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	04/20/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	04/20/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	04/20/2024	

Batch 221556		SampType: LCS		Units mg/L							
SampID: LCS-221556											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		0.509	0.5000	0	101.9	80	120	04/23/2024	
Arsenic		0.0010		0.529	0.5000	0	105.8	80	120	04/20/2024	
Barium		0.0010		2.19	2.000	0	109.4	80	120	04/20/2024	
Beryllium		0.0010		0.0484	0.0500	0	96.8	80	120	04/22/2024	
Boron		0.0250		0.508	0.5000	0	101.6	80	120	04/22/2024	
Cadmium		0.0010		0.0533	0.0500	0	106.7	80	120	04/20/2024	
Chromium		0.0015		0.210	0.2000	0	105.2	80	120	04/23/2024	
Cobalt		0.0010		0.525	0.5000	0	104.9	80	120	04/20/2024	
Iron		0.0250		2.12	2.000	0	105.9	80	120	04/20/2024	
Lead		0.0010		0.530	0.5000	0	106.1	80	120	04/20/2024	
Lithium	*	0.0030		0.503	0.5000	0	100.6	80	120	04/22/2024	
Manganese		0.0020		0.530	0.5000	0	105.9	80	120	04/20/2024	
Molybdenum		0.0015		0.482	0.5000	0	96.5	80	120	04/20/2024	
Selenium		0.0010		0.539	0.5000	0	107.8	80	120	04/20/2024	
Thallium		0.0020		0.244	0.2500	0	97.4	80	120	04/20/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221595 SampType: MBLK Units mg/L

SampID: MBLK-221595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	04/24/2024
Antimony		0.0010	S	0.0022	0.0004	0	497.5	-100	100	04/23/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	04/20/2024
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	04/20/2024
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	04/20/2024
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/20/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	04/20/2024
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	04/23/2024
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	04/20/2024
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	04/20/2024
Lead		0.0010	S	0.0052	0.0006	0	873.6	-100	100	04/20/2024
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	04/20/2024
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	04/20/2024
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	04/20/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	04/23/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	04/20/2024

Batch 221595 SampType: LCS Units mg/L

SampID: LCS-221595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	0.551	0.5000	0	110.1	80	120	04/23/2024
Arsenic		0.0010		0.480	0.5000	0	96.1	80	120	04/20/2024
Barium		0.0010		2.06	2.000	0	103.2	80	120	04/20/2024
Beryllium		0.0010		0.0501	0.0500	0	100.2	80	120	04/20/2024
Boron		0.0250		0.509	0.5000	0	101.8	80	120	04/20/2024
Cadmium		0.0010		0.0496	0.0500	0	99.1	80	120	04/20/2024
Chromium		0.0015		0.234	0.2000	0	116.8	80	120	04/23/2024
Cobalt		0.0010		0.491	0.5000	0	98.2	80	120	04/20/2024
Iron		0.0250		2.01	2.000	0	100.7	80	120	04/20/2024
Lead		0.0010	B	0.508	0.5000	0	101.7	80	120	04/20/2024
Lithium	*	0.0030		0.515	0.5000	0	103.0	80	120	04/20/2024
Manganese		0.0020		0.508	0.5000	0	101.5	80	120	04/20/2024
Molybdenum		0.0015		0.444	0.5000	0	88.9	80	120	04/20/2024
Selenium		0.0010		0.575	0.5000	0	114.9	80	120	04/23/2024
Thallium		0.0020		0.232	0.2500	0	92.9	80	120	04/20/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221595		SampType: MS		Units mg/L							
SampID: 24040437-022BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		0.0010		0.564	0.5000	0	112.8	75	125	04/24/2024	
Arsenic		0.0010		0.523	0.5000	0.0007763	104.4	75	125	04/20/2024	
Barium		0.0010		2.14	2.000	0.04150	104.7	75	125	04/20/2024	
Beryllium		0.0010		0.0524	0.0500	0	104.8	75	125	04/20/2024	
Boron		0.0250	S	2.40	0.5000	1.763	127.9	75	125	04/22/2024	
Cadmium		0.0010		0.0501	0.0500	0	100.2	75	125	04/20/2024	
Chromium		0.0015		0.229	0.2000	0	114.4	75	125	04/23/2024	
Cobalt		0.0010		0.487	0.5000	0.0001773	97.4	75	125	04/20/2024	
Lead		0.0010	B	0.534	0.5000	0	106.9	75	125	04/20/2024	
Lithium	*	0.0030		0.629	0.5000	0.1703	91.8	75	125	04/20/2024	
Molybdenum		0.0015		0.494	0.5000	0.007622	97.3	75	125	04/20/2024	
Selenium		0.0010		0.560	0.5000	0	112.0	75	125	04/23/2024	
Thallium		0.0020		0.245	0.2500	0	98.1	75	125	04/20/2024	

Batch 221595		SampType: MSD		Units mg/L				RPD Limit: 20		
SampID: 24040437-022BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.557	0.5000	0	111.5	0.5639	1.14	04/24/2024
Arsenic		0.0010		0.507	0.5000	0.0007763	101.2	0.5227	3.15	04/20/2024
Barium		0.0010		2.09	2.000	0.04150	102.4	2.136	2.20	04/20/2024
Beryllium		0.0010		0.0488	0.0500	0	97.5	0.05240	7.19	04/20/2024
Boron		0.0250	S	2.50	0.5000	1.763	148.0	2.403	4.11	04/22/2024
Cadmium		0.0010		0.0483	0.0500	0	96.6	0.05012	3.75	04/20/2024
Chromium		0.0015		0.241	0.2000	0	120.5	0.2289	5.13	04/23/2024
Cobalt		0.0010		0.479	0.5000	0.0001773	95.8	0.4874	1.66	04/20/2024
Lead		0.0010	B	0.522	0.5000	0	104.4	0.5343	2.28	04/20/2024
Lithium	*	0.0030		0.622	0.5000	0.1703	90.4	0.6294	1.10	04/20/2024
Molybdenum		0.0015		0.489	0.5000	0.007622	96.2	0.4940	1.05	04/20/2024
Selenium		0.0010		0.596	0.5000	0	119.2	0.5598	6.24	04/23/2024
Thallium		0.0020		0.243	0.2500	0	97.1	0.2452	1.03	04/20/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221595		SampType: MS		Units mg/L						
SampID: 24040437-031BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010	B	0.530	0.5000	0	105.9	75	125	04/23/2024
Arsenic		0.0010		0.460	0.5000	0	92.0	75	125	04/20/2024
Barium		0.0010		2.14	2.000	0.04163	105.1	75	125	04/20/2024
Beryllium		0.0010		0.0507	0.0500	0	101.4	75	125	04/20/2024
Boron		0.0250		2.30	0.5000	1.831	94.3	75	125	04/23/2024
Cadmium		0.0010		0.0495	0.0500	0	99.0	75	125	04/20/2024
Chromium		0.0015		0.186	0.2000	0.0008024	92.4	75	125	04/23/2024
Cobalt		0.0010		0.465	0.5000	0	92.9	75	125	04/20/2024
Lead		0.0010	B	0.543	0.5000	0	108.6	75	125	04/20/2024
Lithium	*	0.0030		0.563	0.5000	0.07140	98.3	75	125	04/23/2024
Molybdenum		0.0015		0.466	0.5000	0	93.2	75	125	04/20/2024
Selenium		0.0010		0.445	0.5000	0	89.0	75	125	04/23/2024
Thallium		0.0020		0.253	0.2500	0	101.1	75	125	04/20/2024

Batch 221595		SampType: MSD		Units mg/L				RPD Limit: 20		
SampID: 24040437-031BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010	B	0.540	0.5000	0	108.0	0.5296	1.97	04/23/2024
Arsenic		0.0010		0.477	0.5000	0	95.3	0.4601	3.51	04/20/2024
Barium		0.0010		2.18	2.000	0.04163	106.9	2.143	1.66	04/20/2024
Beryllium		0.0010		0.0518	0.0500	0	103.7	0.05070	2.21	04/20/2024
Boron		0.0250		2.33	0.5000	1.831	99.6	2.302	1.13	04/23/2024
Cadmium		0.0010		0.0509	0.0500	0	101.8	0.04951	2.73	04/20/2024
Chromium		0.0015		0.185	0.2000	0.0008024	92.3	0.1856	0.06	04/23/2024
Cobalt		0.0010		0.479	0.5000	0	95.8	0.4646	3.02	04/20/2024
Lead		0.0010	B	0.545	0.5000	0	109.0	0.5431	0.32	04/20/2024
Lithium	*	0.0030		0.570	0.5000	0.07140	99.8	0.5627	1.36	04/23/2024
Molybdenum		0.0015		0.478	0.5000	0	95.6	0.4658	2.53	04/20/2024
Selenium		0.0010		0.452	0.5000	0	90.5	0.4450	1.66	04/23/2024
Thallium		0.0020		0.257	0.2500	0	102.6	0.2527	1.48	04/20/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221725		SampType: MBLK		Units mg/L							Date
SampID: MBLK-221725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Antimony		0.0010	S	0.0020	0.0004	0	452.1	-100	100	04/23/2024	
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	04/24/2024	
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	04/23/2024	
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	04/23/2024	
Beryllium		0.0010		< 0.0010	0.0002	0	0	-100	100	04/23/2024	
Boron		0.0250		< 0.0250	0.0093	0	0	-100	100	04/23/2024	
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	04/23/2024	
Chromium		0.0015		< 0.0015	0.0007	0	0	-100	100	04/23/2024	
Cobalt		0.0010		< 0.0010	0.0001	0	0	-100	100	04/23/2024	
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	04/23/2024	
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	04/23/2024	
Lithium	*	0.0030		< 0.0030	0.0015	0	0	-100	100	04/23/2024	
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	04/23/2024	
Molybdenum		0.0015		< 0.0015	0.0006	0	0	-100	100	04/23/2024	
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	04/23/2024	
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	04/23/2024	

Batch 221725 SampType: LCS Units mg/L
SampID: LCS-221725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date
Antimony		0.0010	B	0.526	0.5000	0	105.1	80	120		04/23/2024
Arsenic		0.0010		0.521	0.5000	0	104.3	80	120		04/23/2024
Barium		0.0010		2.07	2.000	0	103.5	80	120		04/23/2024
Beryllium		0.0010		0.0486	0.0500	0	97.2	80	120		04/23/2024
Boron		0.0250		0.495	0.5000	0	99.0	80	120		04/23/2024
Cadmium		0.0010		0.0514	0.0500	0	102.9	80	120		04/23/2024
Chromium		0.0015		0.218	0.2000	0	109.2	80	120		04/23/2024
Cobalt		0.0010		0.504	0.5000	0	100.9	80	120		04/23/2024
Iron		0.0250		2.02	2.000	0	101.2	80	120		04/23/2024
Lead		0.0010		0.509	0.5000	0	101.8	80	120		04/23/2024
Lithium	*	0.0030		0.490	0.5000	0	98.1	80	120		04/23/2024
Manganese		0.0020		0.516	0.5000	0	103.2	80	120		04/23/2024
Molybdenum		0.0015		0.475	0.5000	0	95.1	80	120		04/23/2024
Selenium		0.0010		0.548	0.5000	0	109.7	80	120		04/23/2024
Thallium		0.0020		0.238	0.2500	0	95.2	80	120		04/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 221725 SampType: MS Units mg/L

SampleID: 24040437-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.523	0.5000	0.002000	104.3	75	125	04/24/2024
Arsenic		0.0010		0.516	0.5000	0.0009114	103.1	75	125	04/23/2024
Barium		0.0010		2.06	2.000	0.03912	101.0	75	125	04/23/2024
Beryllium		0.0010		0.0474	0.0500	0	94.8	75	125	04/23/2024
Boron		0.0250		0.634	0.5000	0.2080	85.1	75	125	04/23/2024
Cadmium		0.0010		0.0500	0.0500	0	100.0	75	125	04/23/2024
Chromium		0.0015		0.216	0.2000	0.001013	107.3	75	125	04/23/2024
Cobalt		0.0010		0.472	0.5000	0.001572	94.1	75	125	04/23/2024
Iron		0.0250		2.54	2.000	0.7454	89.7	75	125	04/23/2024
Lead		0.0010		0.490	0.5000	0.0007691	97.9	75	125	04/23/2024
Lithium	*	0.0030		0.476	0.5000	0.01878	91.4	75	125	04/23/2024
Manganese		0.0020		0.655	0.5000	0.2397	83.1	75	125	04/23/2024
Molybdenum		0.0015		0.461	0.5000	0.001039	91.9	75	125	04/23/2024
Selenium		0.0010		0.559	0.5000	0	111.8	75	125	04/23/2024
Thallium		0.0020		0.231	0.2500	0	92.5	75	125	04/23/2024

Batch 221725 SampType: MSD Units mg/L

RPD Limit: 20

SampleID: 24040437-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.527	0.5000	0.002000	105.0	0.5233	0.72	04/24/2024
Arsenic		0.0010		0.516	0.5000	0.0009114	103.0	0.5162	0.02	04/23/2024
Barium		0.0010		2.13	2.000	0.03912	104.5	2.059	3.36	04/23/2024
Beryllium		0.0010		0.0513	0.0500	0	102.7	0.04742	7.92	04/23/2024
Boron		0.0250		0.686	0.5000	0.2080	95.6	0.6337	7.91	04/23/2024
Cadmium		0.0010		0.0519	0.0500	0	103.8	0.04998	3.79	04/23/2024
Chromium		0.0015		0.209	0.2000	0.001013	103.9	0.2157	3.25	04/23/2024
Cobalt		0.0010		0.485	0.5000	0.001572	96.8	0.4720	2.79	04/23/2024
Iron		0.0250		2.63	2.000	0.7454	94.4	2.539	3.65	04/23/2024
Lead		0.0010		0.506	0.5000	0.0007691	101.1	0.4905	3.20	04/23/2024
Lithium	*	0.0030		0.516	0.5000	0.01878	99.4	0.4758	8.02	04/23/2024
Manganese		0.0020		0.676	0.5000	0.2397	87.3	0.6551	3.16	04/23/2024
Molybdenum		0.0015		0.484	0.5000	0.001039	96.6	0.4607	4.93	04/23/2024
Selenium		0.0010		0.534	0.5000	0	106.9	0.5588	4.46	04/23/2024
Thallium		0.0020		0.244	0.2500	0	97.6	0.2312	5.39	04/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 222030 SampType: MBLK Units mg/L

SampID: MBLK-222030

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		< 0.0010	0.0004	0	0	-100	100	04/30/2024
Arsenic		0.0010		< 0.0010	0.0004	0	0	-100	100	04/29/2024
Cadmium		0.0010		< 0.0010	0.0001	0	0	-100	100	04/29/2024
Lead		0.0010		< 0.0010	0.0006	0	0	-100	100	04/30/2024
Manganese		0.0020		< 0.0020	0.0008	0	0	-100	100	04/29/2024
Selenium		0.0010		< 0.0010	0.0006	0	0	-100	100	04/29/2024
Thallium		0.0020		< 0.0020	0.0010	0	0	-100	100	04/29/2024

Batch 222030 SampType: LCS Units mg/L

SampID: LCS-222030

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.508	0.5000	0	101.5	85	115	04/30/2024
Arsenic		0.0010		0.526	0.5000	0	105.2	85	115	04/29/2024
Cadmium		0.0010		0.0550	0.0500	0	110.1	85	115	04/29/2024
Lead		0.0010	E	0.519	0.5000	0	103.8	85	115	04/30/2024
Manganese		0.0020		0.530	0.5000	0	106.0	85	115	04/29/2024
Selenium		0.0010		0.546	0.5000	0	109.2	85	115	04/29/2024
Thallium		0.0020		0.261	0.2500	0	104.3	85	115	04/29/2024

Batch 222030 SampType: MS Units mg/L

SampID: 24041957-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		0.523	0.5000	0.0004989	104.6	70	130	04/30/2024
Selenium		0.0010		0.529	0.5000	0.005890	104.6	70	130	04/30/2024
Thallium		0.0020		0.261	0.2500	0	104.5	70	130	04/30/2024

Batch 222030 SampType: MSD Units mg/L

SampID: 24041957-001CMSD

RPD Limit: 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		0.516	0.5000	0.0004989	103.1	0.5234	1.42	04/30/2024
Selenium		0.0010		0.524	0.5000	0.005890	103.5	0.5291	1.06	04/30/2024
Thallium		0.0020		0.259	0.2500	0	103.7	0.2613	0.77	04/30/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

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

Batch 222457 SampType: MBLK Units mg/L
SampID: MBLK-222457

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010		< 0.0010	0.0007	0	0	-100	100	05/07/2024
Iron		0.0250		< 0.0250	0.0115	0	0	-100	100	05/07/2024

Batch 222457 SampType: LCS Units mg/L
SampID: LCS-222457

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010		2.24	2.000	0	111.8	80	120	05/07/2024
Iron		0.0250		1.96	2.000	0	98.0	80	120	05/07/2024

SW-846 7470A (TOTAL)

Batch 221655 SampType: MBLK Units mg/L
SampID: MBLK-221655

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	04/19/2024

Batch 221655 SampType: LCS Units mg/L
SampID: LCS-221655

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00545	0.0050	0	109.1	85	115	04/19/2024

Batch 221655 SampType: MS Units mg/L
SampID: 24040437-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00525	0.0050	0	105.0	75	125	04/19/2024

Batch 221655 SampType: MSD Units mg/L
SampID: 24040437-013CMSD

RPD Limit: 15

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00536	0.0050	0	107.3	0.005249	2.15	04/19/2024

Batch 221655 SampType: MS Units mg/L
SampID: 24040437-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00484	0.0050	0	96.8	75	125	04/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

SW-846 7470A (TOTAL)

Batch 221655		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-028BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00485	0.0050	0	97.0	0.004839	0.20	04/19/2024

Batch 221681		SampType: MBLK		Units mg/L							
SampID: MBLK-221681											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	04/19/2024	

Batch 221681		SampType: LCS		Units mg/L							Date Analyzed	
SampID: LCS-221681												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.00020		0.00541	0.0050	0	108.2	85	115	04/19/2024		

Batch 221681		SampType: MS		Units mg/L							
SampID: 24041294-004BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00523	0.0050	0	104.6	75	125	04/19/2024	

Batch 221681		SampType: MSD		Units mg/L				RPD Limit: 15			Date Analyzed
SampID: 24041294-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.00020		0.00514	0.0050	0	102.8	0.005231	1.72	04/19/2024	

Batch 221681		SampType: MS		Units mg/L							
SampID: 24041399-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		0.00527	0.0050	0	105.4	75	125	04/19/2024	

Batch 221681		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041399-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00505	0.0050	0	101.1	0.005270	4.19	04/19/2024

Batch 221711		SampType: MBLK		Units mg/L							Date Analyzed	
SampID: MBLK-221711												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	04/23/2024		



Quality Control Results

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

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040437
Report Date: 17-May-24

SW-846 7470A (TOTAL)

Batch 221711		SampType: LCS		Units mg/L							
SampID: LCS-221711											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00483	0.0050	0	96.6	85	115	04/23/2024	

Batch 221711		SampType: MS		Units mg/L							
SampID: 24040437-035BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00472	0.0050	0	94.5	75	125	04/23/2024	

Batch 221711		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24040437-035BMSD											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.00020		0.00470	0.0050	0	93.9	0.004724	0.58	04/23/2024	

Batch 221711		SampType: MS		Units mg/L							
SampID: 24041399-005BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00428	0.0050	0	85.7	75	125	04/23/2024	

Batch 221711		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24041399-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.00020		0.00423	0.0050	0	84.6	0.004283	1.27	04/23/2024



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 24040437

Client Project: BAL-24Q2

Report Date: 17-May-24

Carrier: Justin Colp

Received By: NR

Completed by:

On:

18-Apr-24

Paul Schultz

Reviewed by:

On:

19-Apr-24

Ellie Hopkins

Pages to follow:

Chain of custody

9

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 18.7
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☒	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

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

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

Samples were received on 4/16/24 at 16:30 on ice [18.7 C - LTG#7]. - nickreed - 4/16/2024 5:10:49 PM

Additional Nitric Acid (97291) was needed in MW-104DR, MW-104SR, MW-304, MW-356, MW-366, MW-369, MW-370, MW-390, MW-392, MW-394, and MW-304 DUP upon arrival at the laboratory. pH strip #96651. - nickreed - 4/16/2024 5:11:48 PM

Samples were received on 4/17/2024 at 16:50 on ice [0.9C - LTG#5]. LM - pschultz - 4/18/2024 8:51:41 AM

pH strip #96651. - pschultz - 4/18/2024 8:52:39 AM

Additional Nitric Acid (97291) was needed in MW-150, MW-384, and PZ-170 upon arrival at the laboratory. - pschultz - 4/18/2024 8:52:43 AM

Samples were received on 4/18/2024 at 15:30 on ice [17.9C - LTG#7]. - pschultz - 4/19/2024 8:18:47 AM

pH strip #96651. - pschultz - 4/19/2024 8:20:25 AM

Field Blank and Equipment Blank 1 were filtered and preserved with Nitric Acid (97291) and left unpreserved for the dissolved parameters upon arrival at the laboratory. - pschultz - 4/19/2024 8:20:47 AM

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

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

Required Client Information:

Required Project Information:

Invoice Information:

Page: 1 of 3

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Kim Edmias-ton	REGULATORY AGENCY		
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmias-ton-Kimberly.Edmias-ton@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes							Requested Analysis Filtered (Y/N)													
		MATRIX																				
		(see valid codes to left)																				
		SAMPLE TYPE (Q=GRAB C=COMP)																				
		COLLECTED																				
		PRESERVATIVES																				
MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	MW-104DR	X	WT	G	4/16/24	1347		4	2	2									X			24040437-001
2	MW-104SR	X	WT	G	4/16/24	1432		4	2	2									X			24040437-002
3	MW-150		WT	G				4	2	2							X		X			24040437-003
4	MW-151		WT	G				4	2	2							X		X			24040437-004
5	MW-152		WT	G				4	2	2							X		X			24040437-005
6	MW-153		WT	G				4	2	2							X		X			24040437-006
7	MW-154		WT	G				4	2	2									X			24040437-007
8	MW-155		WT	G				4	2	2									X			24040437-008
9	MW-192	X	WT	G	4-16-24	1139		2	1	1						X		X				24040437-009
10	MW-193		WT	G	4-16-24	1044		2	1	1						X		X				24040437-010
11	MW-252		WT	G				4	2	2							X		X	X		24040437-011
12	MW-253		WT	G				4	2	2							X		X	X		24040437-012
13	MW-304	X	WT	G	4/16/24	1130		4	2	2						X	X	X	X	X		24040437-013
14	MW-306		WT	G				4	2	2						X	X	X	X	X		24040437-014
15	MW-350		WT	G				4	2	2							X		X	X		24040437-015
16	MW-352		WT	G				4	2	2							X		X	X		24040437-016
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS										
BAL-24Q2 Rev 0		J. Collo			4-16	1630	Mush. Reon			4/16	1630	7 ② z										

* No volume added to the preserved container in the field. Sample was split upon arrival.

ph: 96651

X Added HNO_3 (97291) on 4/16

CHAIN-OF-CUSTODY / Analytical Request Document

Confidential

LTG#7

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-Baldwin		Report To: Brian Voelker	Attention: Kim Edmiason			
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Baldwin, IL 62217		Kim Edmiason-Kimberly.Edmiason@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:		

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 4-16-24				

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-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston							
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp							
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@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 (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			DRINKING WATER	DW			WATER	WT			WASTE WATER	WW	PRODUCT SOLID/SOLID	SL	OL	WP	AR	OT		IS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	BAL-257-601	BAL-257-605	BAL-845-601			BAL-845-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Colp	4/16/24	1630	Brick Road	4/16	1630	> z
+ Filter blankies @ 1 lb.							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp	DATE Signed (MM/DD/YY):				
SIGNATURE of SAMPLER: Justin Colp					

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 3																
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston		<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td>IL</td> <td></td> </tr> <tr> <td>STATE:</td> <td></td> <td></td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE:		
REGULATORY AGENCY																						
NPDES	GROUND WATER	DRINKING WATER																				
UST	RCRA	OTHER																				
Site Location	IL																					
STATE:																						
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp																		
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com		Address: see Section A																		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:																		
Phone: (217) 753-8911		Project Name:		Project Manager:																		
Fax:		Project Number: 2285		Profile #:																		
Requested Due Date/TAT: 10 day																						

[illegible]

p4w 96651
 Used H₂O₂ to sample 5 MW-150, MW-384, PZ-170
 BS 4/18/24

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin GLO					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 4-17-24				

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Visira Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston	
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@visiracorp.com		Company Name: Visira Corp	
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@visiracorp.com		Address: see Section A	
Email To: Brian.Voelker@VisiraCorp.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	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Land Matrix Codes DRINKING WATER DW WATER WW WASTE WATER P PRODUCT SOL/SOLID SL OIL OL WIPE OIL WP AIR AR OTHER TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test 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		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BAL-24Q2 Rev 0	J. Colp	4-17	1650	[Signature]	4/17/24	1650				
+ Filter Blanks @ 166 sent 4/10/24							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Justin Colp SIGNATURE of SAMPLER: [Signature]							DATE Signed (MM/DD/YY): 4-17-24			

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

24040437

BAL-845-601

Page: 1 of 3

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location	IL	
STATE:		

Requested Analysis Filtered (Y/N)[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BAL-24Q2 Rev 0	J. Gold	4-18	1530	Walter Klinge K	4/18	1530	(79) > z 167

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cdr					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 4-18-24				

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CHAIN-OF-CUSTODY / Analytical Request Document

Page: 2 BAL-845-601 3

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Kim Edmiston				
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY			
Baldwin, IL 62217		Kim Edmiston-Kimberly.Edmiston@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER	
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL		
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole				
SIGNATURE of SAMPLER:	Justin Cole	DATE Signed (MM/DD/YY):	4-18-24		

Confidential

Invoice Information:

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Kim Edmiston	BAI-845-601		
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Baldwin, IL 62217		Kim Edmiston-Kimberly.Edmiston@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:				UST	RCRA	OTHER
Project Name:			Project Manager:	Site Location:	IL	
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:		

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cdp				
SIGNATURE of SAMPLER:	 DATE Signed (MM/DD/YY): 4-18-24				

May 20, 2024

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



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

RE: BAL-24Q2

WorkOrder: 24040438

Dear Eric Bauer:

TEKLAB, INC received 34 samples on 4/18/2024 3:30:00 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: 24040438

Client Project: BAL-24Q2

Report Date: 20-May-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	37
Receiving Check List	38
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24040438

Client Project: BAL-24Q2

Report Date: 20-May-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 24040438

Client Project: BAL-24Q2

Report Date: 20-May-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24040438

Client Project: BAL-24Q2

Report Date: 20-May-24

Cooler Receipt Temp: 18.7 °C

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

Per Chase Christenson, cancel sampling of MW-253, MW-306, and MW-350. EAH 4/17/24

MW-391 could not be collected; the well was dry. Equipment Blanks 2 and 3 were not needed. PS/EAH 4/19/24

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

Locations

Collinsville

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 24040438

Client Project: BAL-24Q2

Report Date: 20-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-001
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-150
Collection Date: 04/17/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:51	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-002
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-151
Collection Date: 04/18/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:51	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-003
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-152
Collection Date: 04/18/2024 10:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:51	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-004
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-153
Collection Date: 04/18/2024 10:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:51	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-005
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-192
Collection Date: 04/16/2024 11:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:52	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-006
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-193
Collection Date: 04/16/2024 10:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:52	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-007
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-252
Collection Date: 04/18/2024 10:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:52	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-009
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-304
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:52	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-012
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-352
Collection Date: 04/18/2024 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:52	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040438
Report Date: 20-May-24

Lab ID: 24040438-013

Client Sample ID: MW-356

Matrix: GROUNDWATER

Collection Date: 04/16/2024 12:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:52	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-014
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-358
Collection Date: 04/17/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:53	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-015
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-366
Collection Date: 04/16/2024 14:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:53	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-016
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-369
Collection Date: 04/16/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:53	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-017
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-370
Collection Date: 04/16/2024 13:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:54	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-018
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-375
Collection Date: 04/17/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:54	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-019
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-377
Collection Date: 04/17/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:54	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-020
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-382
Collection Date: 04/17/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:54	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-021
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24

Client Sample ID: MW-383

Collection Date: 04/17/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:54	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-022
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-384
Collection Date: 04/17/2024 11:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:54	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-023
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-390
Collection Date: 04/16/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 11:54	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-025
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-392
Collection Date: 04/16/2024 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:03	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-026
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-393
Collection Date: 04/16/2024 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:03	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-027
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-394
Collection Date: 04/16/2024 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:03	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-028
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: OW-256
Collection Date: 04/17/2024 15:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:03	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-029
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: OW-257
Collection Date: 04/17/2024 14:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:03	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-030
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: PZ-170
Collection Date: 04/17/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:04	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-031
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: PZ-182
Collection Date: 04/17/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:04	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-032
Matrix: AQUEOUS

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: Field Blank
Collection Date: 04/18/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:04	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-033
Matrix: GROUNDWATER

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: MW-304 Duplicate
Collection Date: 04/16/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:04	R347550



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll
Client Project: BAL-24Q2
Lab ID: 24040438-034
Matrix: AQUEOUS

Work Order: 24040438
Report Date: 20-May-24
Client Sample ID: Equipment Blank 1
Collection Date: 04/18/2024 15:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	05/14/2024 12:16	R347550



Sample Summary

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

Client: Ramboll
Client Project: BAL-24Q2

Work Order: 24040438
Report Date: 20-May-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24040438-001	MW-150	Groundwater	1	04/17/2024 11:44
24040438-002	MW-151	Groundwater	1	04/18/2024 11:45
24040438-003	MW-152	Groundwater	1	04/18/2024 10:41
24040438-004	MW-153	Groundwater	1	04/18/2024 10:47
24040438-005	MW-192	Groundwater	1	04/16/2024 11:39
24040438-006	MW-193	Groundwater	1	04/16/2024 10:44
24040438-007	MW-252	Groundwater	1	04/18/2024 10:58
24040438-008	MW-253	Groundwater	1	
24040438-009	MW-304	Groundwater	1	04/16/2024 11:30
24040438-010	MW-306	Groundwater	1	
24040438-011	MW-350	Groundwater	1	
24040438-012	MW-352	Groundwater	1	04/18/2024 11:20
24040438-013	MW-356	Groundwater	1	04/16/2024 12:23
24040438-014	MW-358	Groundwater	1	04/17/2024 10:17
24040438-015	MW-366	Groundwater	1	04/16/2024 14:43
24040438-016	MW-369	Groundwater	1	04/16/2024 13:18
24040438-017	MW-370	Groundwater	1	04/16/2024 13:39
24040438-018	MW-375	Groundwater	1	04/17/2024 13:47
24040438-019	MW-377	Groundwater	1	04/17/2024 14:26
24040438-020	MW-382	Groundwater	1	04/17/2024 13:07
24040438-021	MW-383	Groundwater	1	04/17/2024 10:52
24040438-022	MW-384	Groundwater	1	04/17/2024 11:17
24040438-023	MW-390	Groundwater	1	04/16/2024 14:19
24040438-024	MW-391	Groundwater	1	04/18/2024 9:35
24040438-025	MW-392	Groundwater	1	04/16/2024 11:52
24040438-026	MW-393	Groundwater	1	04/16/2024 11:04
24040438-027	MW-394	Groundwater	1	04/16/2024 10:10
24040438-028	OW-256	Groundwater	1	04/17/2024 15:00
24040438-029	OW-257	Groundwater	1	04/17/2024 14:29
24040438-030	PZ-170	Groundwater	1	04/17/2024 10:45
24040438-031	PZ-182	Groundwater	1	04/17/2024 11:58
24040438-032	Field Blank	Aqueous	1	04/18/2024 11:45
24040438-033	MW-304 Duplicate	Groundwater	1	04/16/2024 11:30
24040438-034	Equipment Blank 1	Aqueous	1	04/18/2024 15:20



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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

Client: Ramboll

Work Order: 24040438

Client Project: BAL-24Q2

Report Date: 20-May-24

Carrier: Justin Colp

Received By: PRS

Completed by:

On:

16-Apr-24

Paul Schultz

Reviewed by:

On:

19-Apr-24

Ellie Hopkins

Pages to follow:

Chain of custody

9

Extra pages included

34

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 18.7
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

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

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

pH strip #96651. LH - pschultz - 4/16/2024 4:53:19 PM

Additional Nitric Acid (97291) was needed in MW-304, MW-393, MW-394, and MW-304 Duplicate upon arrival at the laboratory. LH - pschultz - 4/16/2024 4:53:38 PM

Samples were received on 4/17/2024 at 16:50 on ice [0.9C - LTG#5]. LM - pschultz - 4/18/2024 8:36:39 AM

pH strip #96651. - pschultz - 4/18/2024 8:37:46 AM

Additional Nitric Acid (97291) was needed in MW-150, MW-358, MW-383, MW-384, PZ-170, and PZ-182 upon arrival at the laboratory. - pschultz - 4/18/2024 8:38:03 AM

Samples were received on 4/18/2024 at 15:30 on ice [17.9C - LTG#7]. - pschultz - 4/19/2024 8:36:41 AM

pH strip #96651. - pschultz - 4/19/2024 8:37:30 AM

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 3	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston		REGULATORY AGENCY	
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Phone: (217) 753-8911		Fax:		Project Name:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		STATE: IL	
				Profile #:			

[illegible]

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 4-16-24

Temp in °C

Received on

Custody
Sealed
Cooler (Y/N)

Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 2 of 3

BAL-845-601
Page: 2 of 3

BAL-845-601
Page: 2 of 3

Confidential

U67

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Baldwin		Report To: Brian Voelker		Attention: Kim Edmiaston	
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911		Project Name:		Project Manager:	
Fax:		Project Number: 2285		Profile #:	
Requested Due Date/TAT: 10 day					

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 (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No / Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: <i>Justin Colp</i>					
DATE Signed (MM/DD/YY): 4-16-24					

UG7

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: 1 of 3

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Kim Edmiaston		
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp		REGULATORY AGENCY
Baldwin, IL 62217		Kim Edmiaston-Kimberly.Edmiaston@vistracorp.com	Address: see Section A		NPDES GROUND WATER DRINKING WATER
Email To: <u>Brian.Voelker@VistraCorp.com</u>		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	Vario Matrix Codes MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLID SL OIL WP WIPE OT AIR TS OTHER	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		BAL-257-601	BAL-257-605	BAL-845-601	BAL-845-605	BAL-WPCP-605												
1	MW-104DR		WT	G																									N/A					
2	MW-104SR		WT	G																									N/A					
3	MW-150		WT	G	4-17-24	1144		2		2																			24040438-001					
4	MW-151		WT	G				2		2																			24040438-002					
5	MW-152		WT	G				2		2																			24040438-003					
6	MW-153		WT	G				2		2																			24040438-004					
7	MW-154		WT	G																									N/A					
8	MW-155		WT	G	4-17-24	1255																							N/A					
9	MW-192		WT	G				2		2																			24040438-005					
10	MW-193		WT	G				2		2																			24040438-006					
11	MW-252		WT	G				2		2																			24040438-007					
12	MW-253		WT	G				2		2																			24040438-008					
13	MW-304		WT	G				2		2																			24040438-009					
14	MW-306		WT	G				2		2																			24040438-010					
15	MW-350		WT	G				2		2																			24040438-011					
16	MW-352		WT	G				2		2																			24040438-012					
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION								DATE	TIME	SAMPLE CONDITIONS															
BAL-24Q2 Rev 0 Radium 226/228, only					J. Cdp		4-17	1650	[Signature]								4/17/24	1650	0.9 LTG 5 X z															

PH 96651

Added HNO_3 (2191) to samples MW-150, MW-358, MW-383
MW-384, PZ-173, PZ-182

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed	
(MM/DD/Y):	

4-5-24

Temp in °C

Received on
Ice (Y/N)

Custody	Sealed	cooler (Y/N)
---------	--------	--------------

Samples	Intact (Y/N)
1	Y
2	Y
3	Y
4	Y
5	Y
6	Y
7	Y
8	Y
9	Y
10	Y
11	Y
12	Y
13	Y
14	Y
15	Y
16	Y
17	Y
18	Y
19	Y
20	Y
21	Y
22	Y
23	Y
24	Y
25	Y
26	Y
27	Y
28	Y
29	Y
30	Y
31	Y
32	Y
33	Y
34	Y
35	Y
36	Y
37	Y
38	Y
39	Y
40	Y
41	Y
42	Y
43	Y
44	Y
45	Y
46	Y
47	Y
48	Y
49	Y
50	Y
51	Y
52	Y
53	Y
54	Y
55	Y
56	Y
57	Y
58	Y
59	Y
60	Y
61	Y
62	Y
63	Y
64	Y
65	Y
66	Y
67	Y
68	Y
69	Y
70	Y
71	Y
72	Y
73	Y
74	Y
75	Y
76	Y
77	Y
78	Y
79	Y
80	Y
81	Y
82	Y
83	Y
84	Y
85	Y
86	Y
87	Y
88	Y
89	Y
90	Y
91	Y
92	Y
93	Y
94	Y
95	Y
96	Y
97	Y
98	Y
99	Y
100	Y

CHAIN-OF-CUSTODY / Analytical Request Document

2 BAL-845-6013

Section A
Required Client Information:

Company: **Vistra Corp-Baldwin**
Address: **10901 Baldwin Road**
Baldwin, IL 62217
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B
Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
Kim Edmiston-Kimberly.Edmiston@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C
Invoice Information:

Attention: **Kim Edmiston**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

845 QUARTERLY REPORT - QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Page: **3**
BAL-845-601

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location

IL

STATE:

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓ Analysis Test ↑	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		DRINKING WATER OW WT	WATER WW P			WASTE WATER SL SOL/SOLID OL WP AR QT TS	PRODUCT OIL WIPE AIR OTHER			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	BAL-257-601	BAL-257-605		BAL-845-601	BAL-845-605	BAL-WPCP-605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

ADDITIONAL COMMENTS

BAL-24Q2 Rev 0
Radium 226/228, only

RELINQUISHED BY / AFFILIATION

J. Gelp

DATE

4-17

TIME

1650

ACCEPTED BY / AFFILIATION

J. Gelp

DATE

4/17/24

TIME

1050

SAMPLE CONDITIONS

Y

Z

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

Justin Gelp

SIGNATURE of SAMPLER:

J. Gelp

DATE Signed
(MM/DD/YY):

4-17-24

Temp in °C

Received on
Ice (Y/N)

Custody
Sealed
Cooler (Y/N)

Samples
Intact (Y/N)

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Page: 1 of 3

Page: 1 of 3

REGULATORY AGENCYProject No./ Lab I.D.

Radium 226/228, only

SAMPLE CONDITIONS

Samples
{Intact (Y/N)}

Confidential

Confidential

Section C

Required Client Information:

Required Project Information:

Invoice Information:

Company: Vistra Corp-Baldwin		Report To: Brian Voelker	Attention: Kim Edmiston			BAL 845 601		
Address: 10901 Baldwin Road		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp			REGULATORY AGENCY		
Baldwin, IL 62217		Kim Edmiston-Kimberly.Edmiston@vistracorp.com	Address: see Section A			NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.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	

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin BIP					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 4-18-24				

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/20/2024 2:05:28 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24040438

JOB NUMBER

160-53850-1

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
5/20/2024 2:05:28 PM

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

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

Job ID: 160-53850-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24040438

Report Number: 160-53850-1

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

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

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

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

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

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

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

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

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

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

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

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

Receipt

The samples were received on 4/19/2024 1:15 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 15.0°C, 17.7°C and 17.7°C.

Receipt Exceptions

One of the containers for the following sample was received empty: 24040438-016 (160-53850-13). There is enough volume in the remaining container to complete the requested analysis.

Method 903.0 - Radium-226 (GFPC)

Samples 24040438-001 (160-53850-1), 24040438-002 (160-53850-2), 24040438-003 (160-53850-3), 24040438-004 (160-53850-4), 24040438-005 (160-53850-5), 24040438-006 (160-53850-6), 24040438-007 (160-53850-7), 24040438-009 (160-53850-8), 24040438-012 (160-53850-9), 24040438-013 (160-53850-10), 24040438-014 (160-53850-11), 24040438-015 (160-53850-12), 24040438-016 (160-53850-13), 24040438-017 (160-53850-14), 24040438-018 (160-53850-15), 24040438-019 (160-53850-16), 24040438-020 (160-53850-17), 24040438-021 (160-53850-18), 24040438-022 (160-53850-19), 24040438-023 (160-53850-20), 24040438-025 (160-53850-21), 24040438-026 (160-53850-22), 24040438-027 (160-53850-23), 24040438-028 (160-53850-24), 24040438-029 (160-53850-25), 24040438-030 (160-53850-26), 24040438-031 (160-53850-27), 24040438-032 (160-53850-28), 24040438-033 (160-53850-29) and 24040438-034 (160-53850-30) were analyzed for Radium-226 (GFPC). The

Eurofins St. Louis

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

Job ID: 160-53850-1 (Continued)

Eurofins St. Louis

samples were prepared on 4/23/2024 and analyzed on 5/17/2024.

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

Method 904.0 - Radium-228 (GFPC)

Samples 24040438-001 (160-53850-1), 24040438-002 (160-53850-2), 24040438-003 (160-53850-3), 24040438-004 (160-53850-4), 24040438-005 (160-53850-5), 24040438-006 (160-53850-6), 24040438-007 (160-53850-7), 24040438-009 (160-53850-8), 24040438-012 (160-53850-9), 24040438-013 (160-53850-10), 24040438-014 (160-53850-11), 24040438-015 (160-53850-12), 24040438-016 (160-53850-13), 24040438-017 (160-53850-14), 24040438-018 (160-53850-15), 24040438-019 (160-53850-16), 24040438-020 (160-53850-17), 24040438-021 (160-53850-18), 24040438-022 (160-53850-19), 24040438-023 (160-53850-20), 24040438-025 (160-53850-21), 24040438-026 (160-53850-22), 24040438-027 (160-53850-23), 24040438-028 (160-53850-24), 24040438-029 (160-53850-25), 24040438-030 (160-53850-26), 24040438-031 (160-53850-27), 24040438-032 (160-53850-28), 24040438-033 (160-53850-29) and 24040438-034 (160-53850-30) were analyzed for Radium-228 (GFPC). The samples were prepared on 4/23/2024 and analyzed on 5/14/2024.

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

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

Samples 24040438-001 (160-53850-1), 24040438-002 (160-53850-2), 24040438-003 (160-53850-3), 24040438-004 (160-53850-4), 24040438-005 (160-53850-5), 24040438-006 (160-53850-6), 24040438-007 (160-53850-7), 24040438-009 (160-53850-8), 24040438-012 (160-53850-9), 24040438-013 (160-53850-10), 24040438-014 (160-53850-11), 24040438-015 (160-53850-12), 24040438-016 (160-53850-13), 24040438-017 (160-53850-14), 24040438-018 (160-53850-15), 24040438-019 (160-53850-16), 24040438-020 (160-53850-17), 24040438-021 (160-53850-18), 24040438-022 (160-53850-19), 24040438-023 (160-53850-20), 24040438-025 (160-53850-21), 24040438-026 (160-53850-22), 24040438-027 (160-53850-23), 24040438-028 (160-53850-24), 24040438-029 (160-53850-25), 24040438-030 (160-53850-26), 24040438-031 (160-53850-27), 24040438-032 (160-53850-28), 24040438-033 (160-53850-29) and 24040438-034 (160-53850-30) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 5/20/2024.

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

Eurofins St. Louis

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

QC Level: 3

Phone: (618) 344-1004 ext. 33

Batch QC is required for all analyses requested. EDD requested.

Login Sample Receipt Checklist

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Client: TekLab, Inc

Job Number: 160-53850-1

SDG Number: 24040438

Login Number: 53850

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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	Sample 13 one container received empty
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB-49-600
SDG: 24040438

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB-49-600
SDG: 24040438

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB-49-600
SDG: 24040438

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53850-1	24040438-001	Water	04/17/24 11:44	04/19/24 13:15
160-53850-2	24040438-002	Water	04/18/24 11:45	04/19/24 13:15
160-53850-3	24040438-003	Water	04/18/24 10:41	04/19/24 13:15
160-53850-4	24040438-004	Water	04/18/24 10:47	04/19/24 13:15
160-53850-5	24040438-005	Water	04/16/24 11:39	04/19/24 13:15
160-53850-6	24040438-006	Water	04/16/24 10:44	04/19/24 13:15
160-53850-7	24040438-007	Water	04/18/24 10:58	04/19/24 13:15
160-53850-8	24040438-009	Water	04/16/24 11:30	04/19/24 13:15
160-53850-9	24040438-012	Water	04/18/24 11:20	04/19/24 13:15
160-53850-10	24040438-013	Water	04/16/24 12:23	04/19/24 13:15
160-53850-11	24040438-014	Water	04/17/24 10:17	04/19/24 13:15
160-53850-12	24040438-015	Water	04/16/24 14:43	04/19/24 13:15
160-53850-13	24040438-016	Water	04/16/24 13:18	04/19/24 13:15
160-53850-14	24040438-017	Water	04/16/24 13:39	04/19/24 13:15
160-53850-15	24040438-018	Water	04/17/24 13:47	04/19/24 13:15
160-53850-16	24040438-019	Water	04/17/24 14:26	04/19/24 13:15
160-53850-17	24040438-020	Water	04/17/24 13:07	04/19/24 13:15
160-53850-18	24040438-021	Water	04/17/24 10:52	04/19/24 13:15
160-53850-19	24040438-022	Water	04/17/24 11:17	04/19/24 13:15
160-53850-20	24040438-023	Water	04/16/24 14:19	04/19/24 13:15
160-53850-21	24040438-025	Water	04/16/24 11:52	04/19/24 13:15
160-53850-22	24040438-026	Water	04/16/24 11:04	04/19/24 13:15
160-53850-23	24040438-027	Water	04/16/24 10:10	04/19/24 13:15
160-53850-24	24040438-028	Water	04/17/24 15:00	04/19/24 13:15
160-53850-25	24040438-029	Water	04/17/24 14:29	04/19/24 13:15
160-53850-26	24040438-030	Water	04/17/24 10:45	04/19/24 13:15
160-53850-27	24040438-031	Water	04/17/24 11:58	04/19/24 13:15
160-53850-28	24040438-032	Water	04/18/24 11:45	04/19/24 13:15
160-53850-29	24040438-033	Water	04/16/24 11:30	04/19/24 13:15
160-53850-30	24040438-034	Water	04/18/24 15:20	04/19/24 13:15

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-001

Lab Sample ID: 160-53850-1

Date Collected: 04/17/24 11:44

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0748	U	0.116	0.116	1.00	0.200	pCi/L	04/23/24 08:22	05/17/24 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					04/23/24 08:22	05/17/24 09:28	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	0.0250	U	0.300	0.300	1.00	0.562	pCi/L	04/23/24 08:27	05/14/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					04/23/24 08:27	05/14/24 11:51	1
Y Carrier	77.4		30 - 110					04/23/24 08:27	05/14/24 11:51	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	0.0997	U	0.322	0.322	5.00	0.562	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-002

Lab Sample ID: 160-53850-2

Date Collected: 04/18/24 11:45

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0219	U	0.0852	0.0852	1.00	0.163	pCi/L	04/23/24 08:22	05/17/24 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					04/23/24 08:22	05/17/24 09:28	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	0.267	U	0.287	0.288	1.00	0.465	pCi/L	04/23/24 08:27	05/14/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					04/23/24 08:27	05/14/24 11:51	1
Y Carrier	81.5		30 - 110					04/23/24 08:27	05/14/24 11:51	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	0.289	U	0.299	0.300	5.00	0.465	pCi/L		05/20/24 13:26	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-003

Lab Sample ID: 160-53850-3

Date Collected: 04/18/24 10:41

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0870	U	0.181	0.181	1.00	0.319	pCi/L	04/23/24 08:22	05/17/24 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					04/23/24 08:22	05/17/24 09:28	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	0.679	U	0.474	0.478	1.00	0.702	pCi/L	04/23/24 08:27	05/14/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					04/23/24 08:27	05/14/24 11:51	1
Y Carrier	78.1		30 - 110					04/23/24 08:27	05/14/24 11:51	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	0.766		0.507	0.511	5.00	0.702	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-004

Lab Sample ID: 160-53850-4

Date Collected: 04/18/24 10:47

Matrix: Water

Date Received: 04/19/24 13:15

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	0.194	U	0.151	0.152	1.00	0.225	pCi/L	04/23/24 08:22	05/17/24 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					04/23/24 08:22	05/17/24 09:28	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	0.210	U	0.373	0.374	1.00	0.642	pCi/L	04/23/24 08:27	05/14/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					04/23/24 08:27	05/14/24 11:51	1
Y Carrier	78.1		30 - 110					04/23/24 08:27	05/14/24 11:51	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	0.404	U	0.402	0.404	5.00	0.642	pCi/L		05/20/24 13:26	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB-49-600
SDG: 24040438

Client Sample ID: 24040438-005

Lab Sample ID: 160-53850-5

Date Collected: 04/16/24 11:39

Matrix: Water

Date Received: 04/19/24 13:15

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	-0.0233	U	0.0844	0.0845	1.00	0.182	pCi/L	04/23/24 08:22	05/17/24 09:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					04/23/24 08:22	05/17/24 09:21	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	0.0306	U	0.304	0.304	1.00	0.563	pCi/L	04/23/24 08:27	05/14/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					04/23/24 08:27	05/14/24 11:52	1
Y Carrier	79.6		30 - 110					04/23/24 08:27	05/14/24 11:52	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0306	U	0.315	0.316	5.00	0.563	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-006

Lab Sample ID: 160-53850-6

Date Collected: 04/16/24 10:44

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0378	U	0.114	0.114	1.00	0.210	pCi/L	04/23/24 08:22	05/17/24 09:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					04/23/24 08:22	05/17/24 09:21	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	0.854		0.533	0.539	1.00	0.779	pCi/L	04/23/24 08:27	05/14/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					04/23/24 08:27	05/14/24 11:52	1
Y Carrier	62.8		30 - 110					04/23/24 08:27	05/14/24 11:52	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.892		0.545	0.551	5.00	0.779	pCi/L		05/20/24 13:26	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-007

Lab Sample ID: 160-53850-7

Date Collected: 04/18/24 10:58

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0592	U	0.0941	0.0942	1.00	0.163	pCi/L	04/23/24 08:22	05/17/24 09:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					04/23/24 08:22	05/17/24 09:21	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	0.350	U	0.342	0.344	1.00	0.547	pCi/L	04/23/24 08:27	05/14/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					04/23/24 08:27	05/14/24 11:52	1
Y Carrier	77.4		30 - 110					04/23/24 08:27	05/14/24 11:52	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.409	U	0.355	0.357	5.00	0.547	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-009

Lab Sample ID: 160-53850-8

Date Collected: 04/16/24 11:30

Matrix: Water

Date Received: 04/19/24 13:15

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	0.147	U	0.116	0.116	1.00	0.167	pCi/L	04/23/24 08:22	05/17/24 09:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.5		30 - 110					04/23/24 08:22	05/17/24 09:21	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	0.866		0.453	0.460	1.00	0.631	pCi/L	04/23/24 08:27	05/14/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.5		30 - 110					04/23/24 08:27	05/14/24 11:52	1
Y Carrier	72.9		30 - 110					04/23/24 08:27	05/14/24 11:52	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.01		0.468	0.474	5.00	0.631	pCi/L		05/20/24 13:26	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-012

Lab Sample ID: 160-53850-9

Date Collected: 04/18/24 11:20

Matrix: Water

Date Received: 04/19/24 13:15

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	0.470		0.182	0.187	1.00	0.199	pCi/L	04/23/24 08:22	05/17/24 09:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					04/23/24 08:22	05/17/24 09:21	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	0.435	U	0.383	0.385	1.00	0.600	pCi/L	04/23/24 08:27	05/14/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					04/23/24 08:27	05/14/24 11:52	1
Y Carrier	77.4		30 - 110					04/23/24 08:27	05/14/24 11:52	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.905		0.424	0.428	5.00	0.600	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-013

Lab Sample ID: 160-53850-10

Date Collected: 04/16/24 12:23

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0325	U	0.102	0.102	1.00	0.193	pCi/L	04/23/24 08:22	05/17/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					04/23/24 08:22	05/17/24 09:20	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	0.180	U	0.400	0.400	1.00	0.702	pCi/L	04/23/24 08:27	05/14/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					04/23/24 08:27	05/14/24 11:52	1
Y Carrier	77.8		30 - 110					04/23/24 08:27	05/14/24 11:52	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.212	U	0.413	0.413	5.00	0.702	pCi/L		05/20/24 13:26	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-014

Lab Sample ID: 160-53850-11

Date Collected: 04/17/24 10:17

Matrix: Water

Date Received: 04/19/24 13:15

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	0.301		0.177	0.179	1.00	0.226	pCi/L	04/23/24 08:22	05/17/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					04/23/24 08:22	05/17/24 09:20	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	1.10		0.616	0.624	1.00	0.880	pCi/L	04/23/24 08:27	05/14/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					04/23/24 08:27	05/14/24 11:53	1
Y Carrier	79.3		30 - 110					04/23/24 08:27	05/14/24 11:53	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.40		0.641	0.649	5.00	0.880	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-015

Lab Sample ID: 160-53850-12

Date Collected: 04/16/24 14:43

Matrix: Water

Date Received: 04/19/24 13:15

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	0.260		0.146	0.148	1.00	0.191	pCi/L	04/23/24 08:22	05/17/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					04/23/24 08:22	05/17/24 09:20	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	0.705		0.379	0.384	1.00	0.522	pCi/L	04/23/24 08:27	05/14/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					04/23/24 08:27	05/14/24 11:53	1
Y Carrier	81.1		30 - 110					04/23/24 08:27	05/14/24 11:53	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.965		0.406	0.412	5.00	0.522	pCi/L		05/20/24 13:26	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-016

Lab Sample ID: 160-53850-13

Date Collected: 04/16/24 13:18

Matrix: Water

Date Received: 04/19/24 13:15

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	0.131	U	0.126	0.126	1.00	0.195	pCi/L	04/23/24 08:22	05/17/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					04/23/24 08:22	05/17/24 09:20	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	0.699		0.426	0.431	1.00	0.614	pCi/L	04/23/24 08:27	05/14/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					04/23/24 08:27	05/14/24 11:53	1
Y Carrier	80.4		30 - 110					04/23/24 08:27	05/14/24 11:53	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.829		0.444	0.449	5.00	0.614	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-017

Lab Sample ID: 160-53850-14

Date Collected: 04/16/24 13:39

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0860	U	0.0998	0.100	1.00	0.162	pCi/L	04/23/24 08:22	05/17/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					04/23/24 08:22	05/17/24 09:20	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	0.929		0.467	0.475	1.00	0.652	pCi/L	04/23/24 08:27	05/14/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					04/23/24 08:27	05/14/24 11:54	1
Y Carrier	77.0		30 - 110					04/23/24 08:27	05/14/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.02		0.478	0.485	5.00	0.652	pCi/L		05/20/24 13:26	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
Baldwin
SDG: 24040438

Client Sample ID: 24040438-018

Lab Sample ID: 160-53850-15

Date Collected: 04/17/24 13:47

Matrix: Water

Date Received: 04/19/24 13:15

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	-0.0122	U	0.0925	0.0925	1.00	0.194	pCi/L	04/23/24 08:22	05/17/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110					04/23/24 08:22	05/17/24 12:23	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.456	U	0.407	0.409	1.00	0.645	pCi/L	04/23/24 08:27	05/14/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.0		30 - 110					04/23/24 08:27	05/14/24 11:54	1
Y Carrier	84.1		30 - 110					04/23/24 08:27	05/14/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.456	U	0.417	0.419	5.00	0.645	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-019

Lab Sample ID: 160-53850-16

Date Collected: 04/17/24 14:26

Matrix: Water

Date Received: 04/19/24 13:15

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	0.258		0.133	0.135	1.00	0.158	pCi/L	04/23/24 08:22	05/17/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					04/23/24 08:22	05/17/24 12:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.935		0.408	0.417	1.00	0.532	pCi/L	04/23/24 08:27	05/14/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					04/23/24 08:27	05/14/24 11:54	1
Y Carrier	84.5		30 - 110					04/23/24 08:27	05/14/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.19		0.429	0.438	5.00	0.532	pCi/L		05/20/24 13:26	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
Baldwin
SDG: 24040438

Client Sample ID: 24040438-020

Lab Sample ID: 160-53850-17

Date Collected: 04/17/24 13:07

Matrix: Water

Date Received: 04/19/24 13:15

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	0.146	U	0.212	0.212	1.00	0.360	pCi/L	04/23/24 08:22	05/17/24 13:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					04/23/24 08:22	05/17/24 13:59	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	2.03		0.770	0.792	1.00	0.946	pCi/L	04/23/24 08:27	05/14/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					04/23/24 08:27	05/14/24 11:54	1
Y Carrier	86.0		30 - 110					04/23/24 08:27	05/14/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.18		0.799	0.820	5.00	0.946	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-021

Lab Sample ID: 160-53850-18

Date Collected: 04/17/24 10:52

Matrix: Water

Date Received: 04/19/24 13:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0866	U	0.118	0.118	1.00	0.199	pCi/L	04/23/24 08:22	05/17/24 13:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					04/23/24 08:22	05/17/24 13:59	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	0.335	U	0.345	0.346	1.00	0.555	pCi/L	04/23/24 08:27	05/14/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					04/23/24 08:27	05/14/24 11:54	1
Y Carrier	83.0		30 - 110					04/23/24 08:27	05/14/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.422	U	0.365	0.366	5.00	0.555	pCi/L		05/20/24 13:26	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
Baldwin
SDG: 24040438

Client Sample ID: 24040438-022

Lab Sample ID: 160-53850-19

Date Collected: 04/17/24 11:17

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0988	U	0.115	0.115	1.00	0.187	pCi/L	04/23/24 08:22	05/17/24 13:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/23/24 08:22	05/17/24 13:59	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	0.356	U	0.364	0.365	1.00	0.588	pCi/L	04/23/24 08:27	05/14/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					04/23/24 08:27	05/14/24 11:54	1
Y Carrier	76.3		30 - 110					04/23/24 08:27	05/14/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.455	U	0.382	0.383	5.00	0.588	pCi/L		05/20/24 13:26	1

Client Sample ID: 24040438-023

Lab Sample ID: 160-53850-20

Date Collected: 04/16/24 14:19

Matrix: Water

Date Received: 04/19/24 13:15

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		0.119	0.120	1.00	0.149	pCi/L	04/23/24 08:22	05/17/24 13:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					04/23/24 08:22	05/17/24 13:59	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	1.17		0.558	0.568	1.00	0.782	pCi/L	04/23/24 08:27	05/14/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					04/23/24 08:27	05/14/24 11:54	1
Y Carrier	69.2		30 - 110					04/23/24 08:27	05/14/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.38		0.571	0.581	5.00	0.782	pCi/L		05/20/24 13:26	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Client Sample ID: 24040438-025

Lab Sample ID: 160-53850-21

Date Collected: 04/16/24 11:52

Matrix: Water

Date Received: 04/19/24 13:15

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	0.189		0.111	0.113	1.00	0.141	pCi/L	04/23/24 08:30	05/17/24 14:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.2		30 - 110					04/23/24 08:30	05/17/24 14:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.802		0.369	0.376	1.00	0.494	pCi/L	04/23/24 08:34	05/14/24 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.2		30 - 110					04/23/24 08:34	05/14/24 12:03	1
Y Carrier	84.9		30 - 110					04/23/24 08:34	05/14/24 12:03	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	0.991		0.385	0.393	5.00	0.494	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-026

Lab Sample ID: 160-53850-22

Date Collected: 04/16/24 11:04

Matrix: Water

Date Received: 04/19/24 13:15

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	0.160	U	0.132	0.133	1.00	0.199	pCi/L	04/23/24 08:30	05/17/24 14:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.2		30 - 110					04/23/24 08:30	05/17/24 14:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0898	U	0.325	0.325	1.00	0.581	pCi/L	04/23/24 08:34	05/14/24 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.2		30 - 110					04/23/24 08:34	05/14/24 12:03	1
Y Carrier	81.9		30 - 110					04/23/24 08:34	05/14/24 12:03	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	0.250	U	0.351	0.351	5.00	0.581	pCi/L		05/20/24 13:27	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
Batch ID: 60
SDG: 24040438

Client Sample ID: 24040438-027

Lab Sample ID: 160-53850-23

Date Collected: 04/16/24 10:10

Matrix: Water

Date Received: 04/19/24 13:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.156	U	0.131	0.132	1.00	0.199	pCi/L	04/23/24 08:30	05/17/24 15:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110					04/23/24 08:30	05/17/24 15:17	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	0.550		0.321	0.325	1.00	0.455	pCi/L	04/23/24 08:34	05/14/24 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110					04/23/24 08:34	05/14/24 12:03	1
Y Carrier	85.6		30 - 110					04/23/24 08:34	05/14/24 12:03	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	0.706		0.347	0.351	5.00	0.455	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-028

Lab Sample ID: 160-53850-24

Date Collected: 04/17/24 15:00

Matrix: Water

Date Received: 04/19/24 13:15

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	0.165		0.114	0.115	1.00	0.154	pCi/L	04/23/24 08:30	05/17/24 15:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					04/23/24 08:30	05/17/24 15:17	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	0.509	U	0.365	0.368	1.00	0.551	pCi/L	04/23/24 08:34	05/14/24 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.7		30 - 110					04/23/24 08:34	05/14/24 12:03	1
Y Carrier	89.0		30 - 110					04/23/24 08:34	05/14/24 12:03	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	0.674		0.382	0.386	5.00	0.551	pCi/L		05/20/24 13:27	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
Baldwin
SDG: 24040438

Client Sample ID: 24040438-029

Lab Sample ID: 160-53850-25

Date Collected: 04/17/24 14:29

Matrix: Water

Date Received: 04/19/24 13:15

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	0.192	U	0.140	0.141	1.00	0.201	pCi/L	04/23/24 08:30	05/17/24 15:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					04/23/24 08:30	05/17/24 15:17	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	0.938		0.409	0.418	1.00	0.537	pCi/L	04/23/24 08:34	05/14/24 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					04/23/24 08:34	05/14/24 12:03	1
Y Carrier	89.3		30 - 110					04/23/24 08:34	05/14/24 12:03	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	1.13		0.432	0.441	5.00	0.537	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-030

Lab Sample ID: 160-53850-26

Date Collected: 04/17/24 10:45

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0994	U	0.104	0.104	1.00	0.165	pCi/L	04/23/24 08:30	05/17/24 15:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					04/23/24 08:30	05/17/24 15:17	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	0.221	U	0.324	0.325	1.00	0.548	pCi/L	04/23/24 08:34	05/14/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					04/23/24 08:34	05/14/24 12:04	1
Y Carrier	84.9		30 - 110					04/23/24 08:34	05/14/24 12:04	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	0.320	U	0.340	0.341	5.00	0.548	pCi/L		05/20/24 13:27	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB: 600
SDG: 24040438

Client Sample ID: 24040438-031

Lab Sample ID: 160-53850-27

Date Collected: 04/17/24 11:58

Matrix: Water

Date Received: 04/19/24 13:15

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	0.0336	U	0.152	0.152	1.00	0.290	pCi/L	04/23/24 08:30	05/17/24 15:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	68.3		30 - 110					04/23/24 08:30	05/17/24 15:35	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	1.05		0.622	0.629	1.00	0.891	pCi/L	04/23/24 08:34	05/14/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	68.3		30 - 110					04/23/24 08:34	05/14/24 12:04	1
Y Carrier	86.0		30 - 110					04/23/24 08:34	05/14/24 12:04	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	1.09		0.640	0.647	5.00	0.891	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-032

Lab Sample ID: 160-53850-28

Date Collected: 04/18/24 11:45

Matrix: Water

Date Received: 04/19/24 13:15

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	-0.0306	U	0.0659	0.0659	1.00	0.157	pCi/L	04/23/24 08:30	05/17/24 15:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					04/23/24 08:30	05/17/24 15:35	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	0.566		0.347	0.351	1.00	0.500	pCi/L	04/23/24 08:34	05/14/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.9		30 - 110					04/23/24 08:34	05/14/24 12:04	1
Y Carrier	86.0		30 - 110					04/23/24 08:34	05/14/24 12:04	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	0.566		0.353	0.357	5.00	0.500	pCi/L		05/20/24 13:27	1

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Client Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB: 600
SDG: 24040438

Client Sample ID: 24040438-033

Lab Sample ID: 160-53850-29

Date Collected: 04/16/24 11:30

Matrix: Water

Date Received: 04/19/24 13:15

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	0.145	U	0.108	0.109	1.00	0.153	pCi/L	04/23/24 08:30	05/17/24 15:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					04/23/24 08:30	05/17/24 15:35	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	0.638		0.368	0.373	1.00	0.524	pCi/L	04/23/24 08:34	05/14/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					04/23/24 08:34	05/14/24 12:04	1
Y Carrier	84.1		30 - 110					04/23/24 08:34	05/14/24 12:04	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	0.784		0.384	0.389	5.00	0.524	pCi/L		05/20/24 13:27	1

Client Sample ID: 24040438-034

Lab Sample ID: 160-53850-30

Date Collected: 04/18/24 15:20

Matrix: Water

Date Received: 04/19/24 13:15

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	0.00891	U	0.0903	0.0903	1.00	0.178	pCi/L	04/23/24 08:30	05/17/24 15:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					04/23/24 08:30	05/17/24 15:35	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	0.234	U	0.336	0.337	1.00	0.566	pCi/L	04/23/24 08:34	05/14/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					04/23/24 08:34	05/14/24 12:16	1
Y Carrier	84.1		30 - 110					04/23/24 08:34	05/14/24 12:16	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.243	U	0.348	0.349	5.00	0.566	pCi/L		05/20/24 13:27	1

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QC Sample Results

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

ATTACHMENT B.
Q15 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-658169/1-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658169

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02771	U	0.105	0.105	1.00	0.197	pCi/L	04/23/24 08:22	05/17/24 09:28	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					04/23/24 08:22	05/17/24 09:28	1

Lab Sample ID: LCS 160-658169/2-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658169

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.999		1.11	1.00	0.140	pCi/L	88	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	97.0		30 - 110							

Lab Sample ID: 160-53850-1 DU
Matrix: Water
Analysis Batch: 662208

Client Sample ID: 24040438-001
Prep Type: Total/NA
Prep Batch: 658169

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0748	U	0.2204		0.132	1.00	0.165	pCi/L	0.59	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	82.7		30 - 110							

Lab Sample ID: MB 160-658171/1-A
Matrix: Water
Analysis Batch: 662204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658171

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01110	U	0.0739	0.0739	1.00	0.160	pCi/L	04/23/24 08:30	05/17/24 13:59	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					04/23/24 08:30	05/17/24 13:59	1

Lab Sample ID: LCS 160-658171/2-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658171

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.95		1.20	1.00	0.168	pCi/L	97	75 - 125

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QC Sample Results

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

ATTACHMENT B.
Q15 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB-49-600
SDG: 24040438

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-658171/2-A
Matrix: Water
Analysis Batch: 662208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658171

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	98.2		30 - 110

Lab Sample ID: 160-53850-21 DU
Matrix: Water
Analysis Batch: 662208

Client Sample ID: 24040438-025
Prep Type: Total/NA
Prep Batch: 658171

	Sample	Sample		DU	DU	Total						RER
Analyte	Result	Qual		Result	Qual	Uncert.	RL	MDC	Unit		RER	Limit
Radium-226	0.189			0.2673		(2σ+/-) 0.162	1.00	0.226	pCi/L		0.29	1
	DU	DU										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	89.1		30 - 110									

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-658170/1-A
Matrix: Water
Analysis Batch: 661610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658170

	MB	MB	Count	Total								
Analyte	Result	Qualifier	Uncert.	Uncert.	RL	MDC	Unit	Prepared	Analyzed	Dil Fac		
Radium-228	0.3131	U	(2σ+/-) 0.273	(2σ+/-) 0.275	1.00	0.426	pCi/L	04/23/24 08:27	05/14/24 11:51	1		
	MB	MB										
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac		
Ba Carrier	99.7		30 - 110					04/23/24 08:27	05/14/24 11:51	1		
Y Carrier	83.4		30 - 110					04/23/24 08:27	05/14/24 11:51	1		

Lab Sample ID: LCS 160-658170/2-A
Matrix: Water
Analysis Batch: 661610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658170

		Spike	LCS	LCS	Total					%Rec		
Analyte		Added	Result	Qual	Uncert.	RL	MDC	Unit	%Rec	Limits		
Radium-228		8.94	9.170		(2σ+/-) 1.25	1.00	0.488	pCi/L	103	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	97.0		30 - 110									
Y Carrier	81.1		30 - 110									

Lab Sample ID: 160-53850-1 DU
Matrix: Water
Analysis Batch: 661610

Client Sample ID: 24040438-001
Prep Type: Total/NA
Prep Batch: 658170

	Sample	Sample		DU	DU	Total						RER
Analyte	Result	Qual		Result	Qual	Uncert.	RL	MDC	Unit		RER	Limit
Radium-228	0.0250	U		0.3582	U	(2σ+/-) 0.375	1.00	0.603	pCi/L		0.49	1

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QC Sample Results

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

ATTACHMENT B.
Q15 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAPB: 606
SDG: 24040438

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-53850-1 DU
Matrix: Water
Analysis Batch: 661610

Client Sample ID: 24040438-001
Prep Type: Total/NA
Prep Batch: 658170

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	82.7		30 - 110
Y Carrier	72.9		30 - 110

Lab Sample ID: MB 160-658172/1-A
Matrix: Water
Analysis Batch: 661452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658172

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2473	U	0.366	0.367	1.00	0.617	pCi/L	04/23/24 08:34	05/14/24 12:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					04/23/24 08:34	05/14/24 12:03	1
Y Carrier	85.6		30 - 110					04/23/24 08:34	05/14/24 12:03	1

Lab Sample ID: LCS 160-658172/2-A
Matrix: Water
Analysis Batch: 661452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658172

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.94	9.093		1.21	1.00	0.450	pCi/L	102	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	98.2		30 - 110						
Y Carrier	90.8		30 - 110						

Lab Sample ID: 160-53850-21 DU
Matrix: Water
Analysis Batch: 661452

Client Sample ID: 24040438-025
Prep Type: Total/NA
Prep Batch: 658172

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.802		0.9947		0.443	1.00	0.572	pCi/L	0.24	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	89.1		30 - 110							
Y Carrier	81.5		30 - 110							

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BATCH: 658169
SDG: 24040438

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

Rad

Prep Batch: 658169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-1	24040438-001	Total/NA	Water	PrecSep-21	
160-53850-2	24040438-002	Total/NA	Water	PrecSep-21	
160-53850-3	24040438-003	Total/NA	Water	PrecSep-21	
160-53850-4	24040438-004	Total/NA	Water	PrecSep-21	
160-53850-5	24040438-005	Total/NA	Water	PrecSep-21	
160-53850-6	24040438-006	Total/NA	Water	PrecSep-21	
160-53850-7	24040438-007	Total/NA	Water	PrecSep-21	
160-53850-8	24040438-009	Total/NA	Water	PrecSep-21	
160-53850-9	24040438-012	Total/NA	Water	PrecSep-21	
160-53850-10	24040438-013	Total/NA	Water	PrecSep-21	
160-53850-11	24040438-014	Total/NA	Water	PrecSep-21	
160-53850-12	24040438-015	Total/NA	Water	PrecSep-21	
160-53850-13	24040438-016	Total/NA	Water	PrecSep-21	
160-53850-14	24040438-017	Total/NA	Water	PrecSep-21	
160-53850-15	24040438-018	Total/NA	Water	PrecSep-21	
160-53850-16	24040438-019	Total/NA	Water	PrecSep-21	
160-53850-17	24040438-020	Total/NA	Water	PrecSep-21	
160-53850-18	24040438-021	Total/NA	Water	PrecSep-21	
160-53850-19	24040438-022	Total/NA	Water	PrecSep-21	
160-53850-20	24040438-023	Total/NA	Water	PrecSep-21	
MB 160-658169/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-658169/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53850-1 DU	24040438-001	Total/NA	Water	PrecSep-21	

Prep Batch: 658170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-1	24040438-001	Total/NA	Water	PrecSep_0	
160-53850-2	24040438-002	Total/NA	Water	PrecSep_0	
160-53850-3	24040438-003	Total/NA	Water	PrecSep_0	
160-53850-4	24040438-004	Total/NA	Water	PrecSep_0	
160-53850-5	24040438-005	Total/NA	Water	PrecSep_0	
160-53850-6	24040438-006	Total/NA	Water	PrecSep_0	
160-53850-7	24040438-007	Total/NA	Water	PrecSep_0	
160-53850-8	24040438-009	Total/NA	Water	PrecSep_0	
160-53850-9	24040438-012	Total/NA	Water	PrecSep_0	
160-53850-10	24040438-013	Total/NA	Water	PrecSep_0	
160-53850-11	24040438-014	Total/NA	Water	PrecSep_0	
160-53850-12	24040438-015	Total/NA	Water	PrecSep_0	
160-53850-13	24040438-016	Total/NA	Water	PrecSep_0	
160-53850-14	24040438-017	Total/NA	Water	PrecSep_0	
160-53850-15	24040438-018	Total/NA	Water	PrecSep_0	
160-53850-16	24040438-019	Total/NA	Water	PrecSep_0	
160-53850-17	24040438-020	Total/NA	Water	PrecSep_0	
160-53850-18	24040438-021	Total/NA	Water	PrecSep_0	
160-53850-19	24040438-022	Total/NA	Water	PrecSep_0	
160-53850-20	24040438-023	Total/NA	Water	PrecSep_0	
MB 160-658170/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-658170/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53850-1 DU	24040438-001	Total/NA	Water	PrecSep_0	

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
BAP: 65849-600
SDG: 24040438

Rad

Prep Batch: 658171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-21	24040438-025	Total/NA	Water	PrecSep-21	
160-53850-22	24040438-026	Total/NA	Water	PrecSep-21	
160-53850-23	24040438-027	Total/NA	Water	PrecSep-21	
160-53850-24	24040438-028	Total/NA	Water	PrecSep-21	
160-53850-25	24040438-029	Total/NA	Water	PrecSep-21	
160-53850-26	24040438-030	Total/NA	Water	PrecSep-21	
160-53850-27	24040438-031	Total/NA	Water	PrecSep-21	
160-53850-28	24040438-032	Total/NA	Water	PrecSep-21	
160-53850-29	24040438-033	Total/NA	Water	PrecSep-21	
160-53850-30	24040438-034	Total/NA	Water	PrecSep-21	
MB 160-658171/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-658171/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53850-21 DU	24040438-025	Total/NA	Water	PrecSep-21	

Prep Batch: 658172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53850-21	24040438-025	Total/NA	Water	PrecSep_0	
160-53850-22	24040438-026	Total/NA	Water	PrecSep_0	
160-53850-23	24040438-027	Total/NA	Water	PrecSep_0	
160-53850-24	24040438-028	Total/NA	Water	PrecSep_0	
160-53850-25	24040438-029	Total/NA	Water	PrecSep_0	
160-53850-26	24040438-030	Total/NA	Water	PrecSep_0	
160-53850-27	24040438-031	Total/NA	Water	PrecSep_0	
160-53850-28	24040438-032	Total/NA	Water	PrecSep_0	
160-53850-29	24040438-033	Total/NA	Water	PrecSep_0	
160-53850-30	24040438-034	Total/NA	Water	PrecSep_0	
MB 160-658172/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-658172/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53850-21 DU	24040438-025	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
Job ID: 160-53850-1
SDG: 24040438

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)			
		Ba			
Lab Sample ID	Client Sample ID	(30-110)			
160-53850-1	24040438-001	86.3			
160-53850-1 DU	24040438-001	82.7			
160-53850-2	24040438-002	95.4			
160-53850-3	24040438-003	85.0			
160-53850-4	24040438-004	83.5			
160-53850-5	24040438-005	89.3			
160-53850-6	24040438-006	80.2			
160-53850-7	24040438-007	86.3			
160-53850-8	24040438-009	84.5			
160-53850-9	24040438-012	82.2			
160-53850-10	24040438-013	74.9			
160-53850-11	24040438-014	78.7			
160-53850-12	24040438-015	87.8			
160-53850-13	24040438-016	78.2			
160-53850-14	24040438-017	85.5			
160-53850-15	24040438-018	83.0			
160-53850-16	24040438-019	87.3			
160-53850-17	24040438-020	80.7			
160-53850-18	24040438-021	83.2			
160-53850-19	24040438-022	92.6			
160-53850-20	24040438-023	87.8			
160-53850-21	24040438-025	97.2			
160-53850-21 DU	24040438-025	89.1			
160-53850-22	24040438-026	94.2			
160-53850-23	24040438-027	95.2			
160-53850-24	24040438-028	81.7			
160-53850-25	24040438-029	82.2			
160-53850-26	24040438-030	90.6			
160-53850-27	24040438-031	68.3			
160-53850-28	24040438-032	95.9			
160-53850-29	24040438-033	90.1			
160-53850-30	24040438-034	86.8			
LCS 160-658169/2-A	Lab Control Sample	97.0			
LCS 160-658171/2-A	Lab Control Sample	98.2			
MB 160-658169/1-A	Method Blank	99.7			
MB 160-658171/1-A	Method Blank	88.8			

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)			
		Ba		Y	
Lab Sample ID	Client Sample ID	(30-110)	(30-110)	(30-110)	(30-110)
160-53850-1	24040438-001	86.3	77.4		
160-53850-1 DU	24040438-001	82.7	72.9		
160-53850-2	24040438-002	95.4	81.5		
160-53850-3	24040438-003	85.0	78.1		

Eurofins St. Louis

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND

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

Job ID: 160-53850-1
SDG: 24040438

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)
160-53850-4	24040438-004	83.5	78.1
160-53850-5	24040438-005	89.3	79.6
160-53850-6	24040438-006	80.2	62.8
160-53850-7	24040438-007	86.3	77.4
160-53850-8	24040438-009	84.5	72.9
160-53850-9	24040438-012	82.2	77.4
160-53850-10	24040438-013	74.9	77.8
160-53850-11	24040438-014	78.7	79.3
160-53850-12	24040438-015	87.8	81.1
160-53850-13	24040438-016	78.2	80.4
160-53850-14	24040438-017	85.5	77.0
160-53850-15	24040438-018	83.0	84.1
160-53850-16	24040438-019	87.3	84.5
160-53850-17	24040438-020	80.7	86.0
160-53850-18	24040438-021	83.2	83.0
160-53850-19	24040438-022	92.6	76.3
160-53850-20	24040438-023	87.8	69.2
160-53850-21	24040438-025	97.2	84.9
160-53850-21 DU	24040438-025	89.1	81.5
160-53850-22	24040438-026	94.2	81.9
160-53850-23	24040438-027	95.2	85.6
160-53850-24	24040438-028	81.7	89.0
160-53850-25	24040438-029	82.2	89.3
160-53850-26	24040438-030	90.6	84.9
160-53850-27	24040438-031	68.3	86.0
160-53850-28	24040438-032	95.9	86.0
160-53850-29	24040438-033	90.1	84.1
160-53850-30	24040438-034	86.8	84.1
LCS 160-658170/2-A	Lab Control Sample	97.0	81.1
LCS 160-658172/2-A	Lab Control Sample	98.2	90.8
MB 160-658170/1-A	Method Blank	99.7	83.4
MB 160-658172/1-A	Method Blank	88.8	85.6

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Site Sampling Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	MW-104DR	Groundwater Sample	81.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
002	MW-104SR	Groundwater Sample	81.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
003	MW-150	Groundwater Sample	73.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
004	MW-151	Groundwater Sample	77.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
005	MW-152	Groundwater Sample	70.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
006	MW-153	Groundwater Sample	76.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
007	MW-154	Groundwater Sample	73.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
008	MW-155	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
009	MW-192	Groundwater Sample	77.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
010	MW-193	Groundwater Sample	74.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
011	MW-252	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
012	MW-253	Groundwater Sample	71.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
013	MW-304	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
014	MW-306	Groundwater Sample	71.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
015	MW-350	Groundwater Sample	71.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
016	MW-352	Groundwater Sample	75.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
017	MW-355	Groundwater Sample	76.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
018	MW-356	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
019	MW-358	Groundwater Sample	69.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
020	MW-366	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
021	MW-369	Groundwater Sample	79.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
022	MW-370	Groundwater Sample	80.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
023	MW-375	Groundwater Sample	78.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
024	MW-377	Groundwater Sample	76.0	None	E	Clear	Good	Good	Good	Yes	Yes
025	MW-382	Groundwater Sample	75.0	None	E	Clear	Good	Good	Good	Yes	Yes
026	MW-383	Groundwater Sample	71.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
027	MW-384	Groundwater Sample	73.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
028	MW-390	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
029	MW-391	Groundwater Sample	68.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
030	MW-392	Groundwater Sample	77.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
031	MW-393	Groundwater Sample	74.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
032	MW-394	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
033	OW-156	Stabilization Data Only	76.0	None	E	Clear	Good	Good	Good	Yes	Yes
034	OW-157	Stabilization Data Only	76.0	None	E	Clear	Good	Good	Good	Yes	Yes
035	OW-256	Groundwater Sample	80.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
036	OW-257	Groundwater Sample	79.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes



Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary

Baldwin- 2Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
037	PZ-170	Groundwater Sample	73.0	None	E	Clear	Good	Good	Good	Yes	Yes
038	PZ-182	Groundwater Sample	74.0	None	E	Clear	Good	Good	Good	Yes	Yes
039	TPZ-164	Groundwater Sample	80.0	None	W	Clear	Good	Good	Good	Yes	Yes
040	XPW01	Groundwater Sample	64.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
041	XPW05	Groundwater Sample	65.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
042	XPW06	Groundwater Sample	68.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
043	Field Blank	QA/QC Sample	80.0	None	W	Clear					
044	MW-304 Duplicate	QA/QC Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
045	Equipment Blank 1	QA/QC Sample	80.0	None	W	Clear					

Site Sampling Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
Baldwin- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	MW-104DR	TAC	4/16/24 11:55	8.76	31.50	PY	4/16/2024	13:20	13:47	Dedicated Bladder Pump	2"	5.0	185.2
002	MW-104SR	TAC	4/16/24 13:51	8.66	18.00	py	4/16/2024	14:06	14:32	Dedicated Bladder Pump	2"	4.0	153.8
003	MW-150	JC	4/17/24 11:29	18.86	27.90	JC	4/17/2024	11:30	11:44	Dedicated Bladder Pump	2"	2.0	142.9
004	MW-151	JC	4/18/24 11:31	6.66	19.00	JC	4/17/2024	11:31	11:45	Dedicated Bladder Pump	2"	4.0	285.7
005	MW-152	JC	4/18/24 10:00	6.23	20.00	JC	4/18/2024	10:01	10:41	Dedicated Bladder Pump	2"	7.0	175.0
006	MW-153	TAC	4/18/24 10:22	13.43	23.40	PY	4/18/2024	10:24	10:47	Dedicated Bladder Pump	2"	4.0	173.9
007	MW-154	TAC	4/16/24 9:35	10.56	15.40	TCA	4/16/2024	09:37	09:56	Peristaltic Pump	2"	2.0	105.3
008	MW-155	JC	4/17/24 12:28	T.O.P.	23.40	JC	4/17/2024	12:27	12:55	Dedicated Bladder Pump	2"	1.5	53.6
009	MW-192	JC	4/16/24 11:28	8.24	32.91	JC	4/16/2024	11:28	11:39	Dedicated Bladder Pump	2"	2.5	227.3
010	MW-193	JC	4/16/24 10:23	8.86	35.54	JC	4/16/2024	10:30	10:44	Dedicated Bladder Pump	2"	2.5	178.6
011	MW-252	JC	4/18/24 10:43	4.40	52.30	JC	4/18/2024	10:45	10:58	Submersible Pump	2"	4.0	307.7
012	MW-253	JC	4/15/24 10:02	15.26	38.20								
013	MW-304	PY	4/16/24 10:55	9.21	57.50	PY	4/16/2024	10:59	11:30	Dedicated Bladder Pump	2"	3.0	96.8
014	MW-306	JC	4/15/24 10:38	17.54	90.00								
015	MW-350	JC	4/15/24 12:25	23.98	49.30								
016	MW-352	JC	4/18/24 11:03	3.55	75.70	JC	4/18/2024	11:03	11:20	Dedicated Bladder Pump	2"	2.5	147.1
017	MW-355	JC	4/17/24 12:09	23.71	35.40	JC	4/17/2024	12:09	12:23	Dedicated Bladder Pump	2"	3.0	214.3
018	MW-356	JC	4/16/24 12:07	4.64	68.40	JC	4/16/2024	12:07	12:23	Dedicated Bladder Pump	2"	3.5	218.8
019	MW-358	JC	4/17/24 9:23	3.81	92.14	JC	4/17/2024	09:24	10:17	Dedicated Bladder Pump	2"	6.5	122.6
020	MW-366	JC	4/16/24 14:27	16.54	54.50	JC	4/16/2024	14:27	14:43	Dedicated Bladder Pump	2"	2.5	156.2
021	MW-369	JC	4/16/24 12:42	10.49	68.20	JC	4/16/2024	12:42	13:18	Dedicated Bladder Pump	2"	6.0	166.7
022	MW-370	JC	4/16/24 13:24	17.95	65.20	JC	4/16/2024	13:25	13:39	Dedicated Bladder Pump	2"	2.5	178.6
023	MW-375	JC	4/17/24 13:32	34.05	69.50	JC	4/17/2024	13:33	13:47	Dedicated Bladder Pump	2"	3.0	214.3
024	MW-377	PY	4/17/24 14:12	7.72	7.72	PY	4/17/2024	14:13	14:26	Dedicated Bladder Pump	2"	2.0	153.8
025	MW-382	PY	4/17/24 12:33	16.47	68.50	PY	4/17/2024	12:38	13:07	Dedicated Bladder Pump	2"	6.5	224.1
026	MW-383	JC	4/17/24 10:35	20.59	70.30	JC	4/17/2024	10:35	10:52	Dedicated Bladder Pump	2"	3.0	176.5
027	MW-384	JC	4/17/24 10:59	16.22	72.70	JC	4/17/2024	11:00	11:17	Dedicated Bladder Pump	2"	2.5	147.1
028	MW-390	JC	4/16/24 14:00	6.71	67.10	JC	4/16/2024	14:00	14:19	Dedicated Bladder Pump	2"	3.0	157.9
029	MW-391	PY	4/18/24 9:32	71.48	72.40	py	4/18/2024	09:35		Bailer	2"		
030	MW-392	JC	4/16/24 11:37	8.83	86.96	JC	4/16/2024	11:38	11:52	Dedicated Bladder Pump	2"	3.0	214.3
031	MW-393	JC	4/16/24 10:48	8.25	88.27	JC	4/16/2024	10:52	11:04	Dedicated Bladder Pump	2"	2.5	208.3
032	MW-394	JC	4/16/24 9:56	6.64	85.78	JC	4/16/2024	09:58	10:10	Dedicated Bladder Pump	2"	2.5	208.3
033	OW-156	PY	4/17/24 15:21	6.14	20.40	PY	4/17/2024	15:20	15:24	Bailer	2"		
034	OW-157	PY	4/17/24 15:13	5.98	20.40	PY	4/17/2024	15:10	15:15	Bailer	2"		
035	OW-256	JC	4/17/24 14:40	8.61	35.60	JC	4/17/2024	14:41	15:00	Submersible Pump	2"	3.5	184.2
036	OW-257	JC	4/17/24 14:10	6.50	41.90	JC	4/17/2024	14:10	14:29	Submersible Pump	2"	4.0	210.5



Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary

Baldwin- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
037	PZ-170	PY	4/17/24 10:22	14.25	34.00	PY	4/17/2024	10:24	10:45	Peristaltic Pump	2"	4.0	190.5
038	PZ-182	PY	4/17/24 11:14	17.16	37.10	PY	4/17/2024	11:16	11:58	Peristaltic Pump	2"	7.5	178.6
039	TPZ-164	PY	4/18/24 11:48	3.68	12.90	PY	4/18/2024	11:58	12:29	Peristaltic Pump	2"	6.0	193.5
040	XPW01	JC	4/18/24 8:29	9.70	14.53	JC	4/18/2024	08:29	08:41	Dedicated Bladder Pump	2"	3.0	250.0
041	XPW05	JC	4/18/24 8:54	4.56	31.15	JC	4/18/2024	08:56	09:20	Dedicated Bladder Pump	2"	5.0	208.3
042	XPW06	JC	4/18/24 9:33	2.24	9.66	JC	4/18/2024	09:33	09:47	Dedicated Bladder Pump	2"	3.0	214.3
043	Field Blank				-								
044	MW-304 Duplicate	PY	4/16/24 10:55	9.21	57.50	PY	4/16/2024	10:59	11:30	Dedicated Bladder Pump	2"	3.0	96.8
045	Equipment Blank 1				-								

Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary

Baldwin- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	MW-104DR	TAC	04/16/24	13:47	Low Flow	218083	Yes	Clear	None	None	9.14	0.38
002	MW-104SR	TAC	04/16/24	14:32	Low Flow	218083	Yes	Clear	None	None	10.53	1.87
003	MW-150	JC	04/17/24	11:44	Low Flow	26599	Yes	Clear	None	none	19.19	0.33
004	MW-151	JC	04/18/24	11:45	Low Flow	26599	Yes	Clear	None	none	7.12	0.46
005	MW-152	JC	04/18/24	10:41	Low Flow	26599	Yes	Slightly cloudy	None	none	6.40	0.17
006	MW-153	TAC	04/18/24	10:47	Low Flow	218083	Yes	Clear	None	None	13.88	0.45
007	MW-154											
008	MW-155	JC	04/17/24	12:55	Low Flow	26599	Yes	Slightly cloudy	Slight	none	T.O.P.	N/A
009	MW-192	JC	04/16/24	11:39	Low Flow	26599	No	Clear	None	none	10.24	2
010	MW-193	JC	04/16/24	10:44	Low Flow	26599	No	Clear	None	none	9.40	0.54
011	MW-252	JC	04/18/24	10:58	Low Flow	26599	Yes	Clear	None	none	7.90	3.5
012	MW-253											
013	MW-304	TAC	04/16/24	11:30	Low Flow	218083	Yes	Clear	None	None	13.33	4.12
014	MW-306											
015	MW-350											
016	MW-352	JC	04/18/24	11:20	Low Flow	26599	Yes	Clear	None	none	5.98	2.43
017	MW-355	JC	04/17/24	12:23	Low Flow	26599	Yes	Clear	None	none	24.89	1.18
018	MW-356	JC	04/16/24	12:23	Low Flow	26599	No	Clear	None	none	6.37	1.73
019	MW-358	JC	04/17/24	10:17	Low Flow	26599	No	Clear	Strong	none	7.02	3.21
020	MW-366	JC	04/16/24	14:43	Low Flow	26599	No	Clear	None	none	19.35	2.81
021	MW-369	JC	04/16/24	13:18	Low Flow	26599	No	Clear	None	none	16.87	6.38
022	MW-370	JC	04/16/24	13:39	Low Flow	26599	No	Clear	None	none	19.62	1.67
023	MW-375	JC	04/17/24	13:47	Low Flow	26599	No	Clear	None	none	35.56	1.51
024	MW-377	TAC	04/17/24	14:26	Low Flow	218083	No	Clear	None	None	7.86	0.14
025	MW-382	TAC	04/17/24	13:07	Low Flow	218083	No	Clear	None	None	25.31	8.84
026	MW-383	JC	04/17/24	10:52	Low Flow	26599	No	Clear	None	none	23.25	2.66
027	MW-384	JC	04/17/24	11:17	Low Flow	26599	No	Clear	None	none	19.65	3.43
028	MW-390	JC	04/16/24	14:19	Low Flow	26599	No	Clear	None	none	8.87	2.16
029	MW-391											
030	MW-392	JC	04/16/24	11:52	Low Flow	26599	No	Clear	None	none	11.53	2.7
031	MW-393	JC	04/16/24	11:04	Low Flow	26599	No	Clear	None	none	11.38	3.13
032	MW-394	JC	04/16/24	10:10	Low Flow	26599	No	Clear	Slight	none	9.54	2.9
033	OW-156	TAC	04/17/24	15:24	No Purge	218083					7.22	1.08
034	OW-157	TAC	04/17/24	15:15	No Purge	218083					6.35	0.37
035	OW-256	JC	04/17/24	15:00	Low Flow	26599	No	Clear	None	none	10.21	1.6
036	OW-257	JC	04/17/24	14:29	Low Flow	26599	No	Clear	None	none	9.14	2.64

Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary

Baldwin- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
037	PZ-170	TAC	04/17/24	10:45	Low Flow	218083	No	Clear	None	None	17.54	3.29
038	PZ-182	TAC	04/17/24	11:58	Low Flow	218083	No	Clear	Strong	Grey	17.44	0.28
039	TPZ-164	TAC	04/18/24	12:29	Low Flow	218083	No	Clear	None	None	3.70	0.02
040	XPW01	JC	04/18/24	08:41	Low Flow	26599	No	Slightly cloudy	None	none	10.04	0.34
041	XPW05	JC	04/18/24	09:20	Low Flow	26599	No	Slightly cloudy	Slight	none	5.45	0.89
042	XPW06	JC	04/18/24	09:47	Low Flow	26599	No	Clear	None	none	2.44	0.2
043	Field Blank	JC	04/18/24	11:45	No Purge	-	No					
044	MW-304 Duplicate	TAC	04/16/24	11:30	Low Flow	218083	Yes	Clear	None	None	13.33	4.12
045	Equipment Blank 1	JC	04/18/24	15:20	No Purge	-	No					

Site Sampling Event: Baldwin- 2Q24
 LIMS Workorder: 240040437
 Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary
 Baldwin- 2Q 2024

ATTACHMENT B.
 845 QUARTERLY REPORT = QUARTER 2, 2024
 BALDWIN POWER PLANT, BOTTOM ASH POND
 BAL-845-601

WO Sample	Well ID	COMMENTS
001	MW-104DR	
002	MW-104SR	
003	MW-150	
004	MW-151	
005	MW-152	
006	MW-153	
007	MW-154	Went dry during stabilization. DTW on 4/17=15.22', 4/18=15.16'. DRY
008	MW-155	T.O.P.= 20.47'
009	MW-192	
010	MW-193	
011	MW-252	
012	MW-253	**Request Not to Sample per Ramboll
013	MW-304	
014	MW-306	**Request Not to Sample per Ramboll
015	MW-350	**Request Not to Sample per Ramboll
016	MW-352	
017	MW-355	
018	MW-356	
019	MW-358	
020	MW-366	
021	MW-369	
022	MW-370	
023	MW-375	
024	MW-377	
025	MW-382	
026	MW-383	
027	MW-384	
028	MW-390	
029	MW-391	DRY. Not enough water to collect sample. Bailer had less than a inch of water from hitting the bottom.
030	MW-392	
031	MW-393	
032	MW-394	
033	OW-156	
034	OW-157	
035	OW-256	
036	OW-257	



Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Summary

Baldwin- 2Q 2024

WO Sample	Well ID	COMMENTS
037	PZ-170	
038	PZ-182	
039	TPZ-164	
040	XPW01	
041	XPW05	
042	XPW06	
043	Field Blank	
044	MW-304 Duplicate	
045	Equipment Blank 1	

Site Sampling Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Stabilized Field Parameters
Baldwin- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
MW-104DR	4/16/2024	13:47	18.0	64.4	7.05	998.2	0.81	14.60	74.0	8.76	24040437-001A
MW-104SR	4/16/2024	14:32	15.1	59.2	6.80	1,140.9	0.76	44.15	-85.8	8.66	24040437-002A
MW-150	4/17/2024	11:44	14.5	58.1	7.05	1,568.5	2.37	2.04	-18.9	18.86	24040437-003A
MW-151	4/18/2024	11:45	15.9	60.6	6.80	1,058.9	0.83	13.63	53.9	6.66	24040437-004A
MW-152	4/18/2024	10:41	14.1	57.4	6.72	1,399.7	0.73	25.07	95.8	6.23	24040437-005A
MW-153	4/18/2024	10:47	15.3	59.5	6.87	626.0	1.87	23.87	29.1	13.43	24040437-006A
MW-154	4/15/2024	9:35	Dry- No Sample							10.56	24040437-007A
MW-155	4/17/2024	12:55	18.0	64.4	7.02	645.5	2.11	21.80	41.4	T.O.P	24040437-008A
MW-192	4/16/2024	11:39	17.3	63.1	6.96	572.2	0.81	5.08	-14.9	8.24	24040437-009A
MW-193	4/16/2024	10:44	17.8	64.0	6.81	706.4	2.09	8.24	29.5	8.86	24040437-010A
MW-252	4/18/2024	10:58	17.9	64.2	6.79	1,693.4	0.74	23.23	79.0	4.40	24040437-011A
MW-253	4/15/2024	10:02	*Request not to Sample per Ramboll							15.26	24040437-012A
MW-304	4/16/2024	11:30	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8	9.21	24040437-013A
MW-306	4/15/2024	10:38	*Request not to Sample per Ramboll							17.54	24040437-014A
MW-350	4/15/2024	12:25	*Request not to Sample per Ramboll							23.98	24040437-015A
MW-352	4/18/2024	11:20	17.0	62.6	7.41	2,191.7	2.90	2.60	-93.7	3.55	24040437-016A
MW-355	4/17/2024	12:23	15.2	59.4	7.09	660.1	0.71	3.42	-23.6	23.71	24040437-017A
MW-356	4/16/2024	12:23	16.2	61.2	7.77	922.8	0.79	1.95	-72.1	4.64	24040437-018A
MW-358	4/17/2024	10:17	16.2	61.2	7.69	2,511.3	0.54	22.55	-279.9	3.81	24040437-019A
MW-366	4/16/2024	14:43	16.4	61.5	6.77	1,447.1	0.75	27.93	67.0	16.54	24040437-020A
MW-369	4/16/2024	13:18	16.3	61.3	7.00	991.1	0.68	4.52	-46.6	10.49	24040437-021A
MW-370	4/16/2024	13:39	18.4	65.1	7.59	4,470.0	0.81	2.01	20.0	17.95	24040437-022A
MW-375	4/17/2024	13:47	15.6	60.1	7.81	1,261.0	0.76	4.72	-4.5	34.05	24040437-023A
MW-377	4/17/2024	14:26	18.0	64.4	7.12	1,117.0	0.26	9.45	-28.4	7.72	24040437-024A
MW-382	4/17/2024	13:07	17.2	63.0	7.70	1,786.8	0.13	149.34	-27.0	16.47	24040437-025A
MW-383	4/17/2024	10:52	19.3	66.7	7.58	1,138.7	0.66	5.25	-43.6	20.59	24040437-026A
MW-384	4/17/2024	11:17	18.4	65.1	8.07	2,158.6	0.66	4.56	-18.4	16.22	24040437-027A
MW-390	4/16/2024	14:19	18.1	64.6	7.19	1,541.5	0.70	5.98	22.8	6.71	24040437-028A
MW-391	4/18/2024	9:32	Dry- No Sample							71.48	24040437-029A
MW-392	4/16/2024	11:52	17.5	63.5	7.67	2,685.7	0.90	7.80	-117.5	8.83	24040437-030A
MW-393	4/16/2024	11:04	17.1	62.8	8.16	3,232.1	0.70	7.60	-165.9	8.25	24040437-031A
MW-394	4/16/2024	10:10	16.9	62.4	7.90	3,243.9	0.72	2.83	-267.7	6.64	24040437-032A
OW-156	4/17/2024	15:24	14.7	58.5	6.68	939.4	4.29	16.89	39.6	6.14	24040437-033A
OW-157	4/17/2024	15:15	17.9	64.2	6.29	4,099.6	3.83	34.99	49.1	5.98	24040437-034A
OW-256	4/17/2024	15:00	22.0	71.6	6.89	632.1	1.04	10.99	73.7	8.61	24040437-035A
OW-257	4/17/2024	14:29	22.8	73.0	7.18	858.0	2.06	19.21	60.6	6.50	24040437-036A
PZ-170	4/17/2024	10:45	16.4	61.5	6.62	1,866.5	0.70	4.04	-174.3	14.25	24040437-037A
PZ-182	4/17/2024	11:58	18.1	64.6	6.66	1,165.2	1.06	13.22	-140.6	17.16	24040437-038A
TPZ-164	4/18/2024	12:29	15.8	60.4	7.25	860.6	1.66	2.19	-122.8	3.68	24040437-039A
XPW01	4/18/2024	8:41	14.9	58.8	6.88	733.7	0.82	6.64	-110.2	9.70	24040437-040A
XPW05	4/18/2024	9:20	17.6	63.7	7.03	859.0	1.40	13.36	-100.9	4.56	24040437-041A
XPW06	4/18/2024	9:47	14.2	57.6	7.16	672.9	0.76	1.79	-99.3	2.24	24040437-042A

Site Sampling Event: Baldwin- 2Q24**LIMS Workorder:** 240040437**Technician(s):** JC, TC, BG, PY**Stabilized Field Parameters****Baldwin- 2Q 2024**

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
Field Blank	4/18/2024	11:45	QA/QC Sample								24040437-043A
MW-304 Duplicate	4/16/2024	11:30	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8	9.21	24040437-044A
Equipment Blank 1	4/18/2024	15:20	QA/QC Sample								24040437-045A

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104DR	4/16/2024	13:35	8.76	17.5	63.5	7.06	999.6	1.16	11.77	77.2
MW-104DR	4/16/2024	13:38	8.76	17.9	64.2	7.06	1,001.5	1.01	11.39	75.8
MW-104DR	4/16/2024	13:41	8.76	18.0	64.4	7.06	1,000.5	0.94	13.08	75.0
MW-104DR	4/16/2024	13:44	8.76	18.0	64.4	7.06	998.2	0.89	13.82	74.4
MW-104DR	4/16/2024	13:47	8.76	18.0	64.4	7.05	998.2	0.81	14.60	74.0

Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-104SR	4/16/2024	14:17	8.66	15.3	59.5	6.80	1,153.0	0.75	15.75	-60.8
MW-104SR	4/16/2024	14:20	8.66	15.1	59.2	6.81	1,152.7	0.66	16.76	-70.5
MW-104SR	4/16/2024	14:23	8.66	15.0	59.0	6.81	1,154.1	0.58	21.67	-76.8
MW-104SR	4/16/2024	14:26	8.66	15.0	59.0	6.81	1,148.8	0.71	24.22	-81.4
MW-104SR	4/16/2024	14:29	8.66	15.0	59.0	6.81	1,146.0	0.78	33.98	-84.8
MW-104SR	4/16/2024	14:32	8.66	15.1	59.2	6.80	1,140.9	0.76	44.15	-85.8

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-150	4/17/2024	11:38	18.86	14.7	58.5	7.07	1,566.7	2.32	2.73	-48.0
MW-150	4/17/2024	11:41	18.86	14.5	58.1	7.06	1,562.7	2.26	1.95	-31.3
MW-150	4/17/2024	11:44	18.86	14.5	58.1	7.05	1,568.5	2.37	2.04	-18.9

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-151	4/18/2024	11:36	6.66	14.8	58.6	6.81	1,072.6	1.05	19.18	23.5
MW-151	4/18/2024	11:39	6.66	15.2	59.4	6.80	1,072.3	0.92	15.44	37.8
MW-151	4/18/2024	11:42	6.66	15.6	60.1	6.80	1,066.2	0.86	13.82	47.3
MW-151	4/18/2024	11:45	6.66	15.9	60.6	6.80	1,058.9	0.83	13.63	53.9

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-152	4/18/2024	10:23	6.23	13.6	56.5	6.72	1,400.6	0.86	52.55	85.9
MW-152	4/18/2024	10:26	6.23	13.6	56.5	6.72	1,400.0	0.81	44.46	88.3
MW-152	4/18/2024	10:29	6.23	13.8	56.8	6.72	1,397.9	0.78	43.55	90.2
MW-152	4/18/2024	10:32	6.23	13.9	57.0	6.72	1,398.1	0.77	36.49	91.9
MW-152	4/18/2024	10:35	6.23	14.2	57.6	6.72	1,396.8	0.75	31.81	93.3
MW-152	4/18/2024	10:38	6.23	14.2	57.6	6.72	1,398.1	0.74	27.65	94.7
MW-152	4/18/2024	10:41	6.23	14.1	57.4	6.72	1,399.7	0.73	25.07	95.8

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-153	4/18/2024	10:38	13.43	15.3	59.5	6.86	626.3	1.94	19.89	27.8
MW-153	4/18/2024	10:41	13.43	15.3	59.5	6.86	626.0	1.89	21.98	27.6
MW-153	4/18/2024	10:44	13.43	15.3	59.5	6.87	626.0	1.86	22.72	28.3
MW-153	4/18/2024	10:47	13.43	15.3	59.5	6.87	626.0	1.87	23.87	29.1

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-154	4/16/2024	9:35	10.56	Dry- No Sample						

Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-155	4/17/2024	12:31		14.5	58.1	7.05	646.8	2.31	143.12	22.5
MW-155	4/17/2024	12:34		15.4	59.7	7.03	644.6	1.87	130.61	25.3
MW-155	4/17/2024	12:37		16.2	61.2	7.02	646.6	1.70	98.31	28.1
MW-155	4/17/2024	12:40		16.9	62.4	7.02	647.2	1.72	78.94	30.9
MW-155	4/17/2024	12:43		17.5	63.5	7.02	646.7	1.86	61.21	33.6
MW-155	4/17/2024	12:46		17.7	63.9	7.02	648.0	1.93	42.26	35.9
MW-155	4/17/2024	12:49		17.8	64.0	7.02	646.7	1.98	32.91	38.3
MW-155	4/17/2024	12:52		18.0	64.4	7.02	646.4	2.06	28.80	40.1
MW-155	4/17/2024	12:55		18.0	64.4	7.02	645.5	2.11	21.80	41.4

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

LIMS Workorder: 240040437

Baldwin- 2Q 2024

BAL-845-601

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-192	4/16/2024	11:33	8.24	17.5	63.5	6.99	575.8	1.59	6.21	-16.3
MW-192	4/16/2024	11:36	8.24	17.3	63.1	6.96	573.5	0.98	4.92	-15.3
MW-192	4/16/2024	11:39	8.24	17.3	63.1	6.96	572.2	0.81	5.08	-14.9

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-193	4/16/2024	10:38	8.86	18.0	64.4	6.83	708.3	2.62	11.19	20.4
MW-193	4/16/2024	10:41	8.86	17.9	64.2	6.82	706.6	2.31	9.43	26.9
MW-193	4/16/2024	10:44	8.86	17.8	64.0	6.81	706.4	2.09	8.24	29.5

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-252	4/18/2024	10:49	4.4	16.2	61.2	6.74	1,694.7	0.99	20.26	85.3
MW-252	4/18/2024	10:52	4.4	16.6	61.9	6.77	1,696.3	0.81	19.11	81.7
MW-252	4/18/2024	10:55	4.4	17.4	63.3	6.78	1,683.8	0.76	21.72	79.6
MW-252	4/18/2024	10:58	4.4	17.9	64.2	6.79	1,693.4	0.74	23.23	79.0

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-253	4/16/2024	10:02	15.26	<i>*Request not to Sample per Ramboll</i>						

Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304	4/16/2024	11:12	9.21	16.7	62.1	7.82	2,487.0	0.52	3.87	8.4
MW-304	4/16/2024	11:15	9.21	16.7	62.1	7.82	2,486.2	0.34	6.03	18.9
MW-304	4/16/2024	11:18	9.21	16.8	62.2	7.82	2,478.2	0.28	2.15	26.4
MW-304	4/16/2024	11:21	9.21	16.8	62.2	7.82	2,478.5	0.25	4.14	32.1
MW-304	4/16/2024	11:24	9.21	17.2	63.0	7.81	2,473.9	0.23	7.29	36.4
MW-304	4/16/2024	11:27	9.21	17.3	63.1	7.81	2,470.1	0.22	4.75	40.3
MW-304	4/16/2024	11:30	9.21	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-306	4/16/2024	10:38	17.54	<i>*Request not to Sample per Ramboll</i>						

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-350	4/16/2024	12:25	23.98	<i>*Request not to Sample per Ramboll</i>						

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-352	4/18/2024	11:11	3.55	16.6	61.9	7.32	2,151.4	3.28	1.49	-106.4
MW-352	4/18/2024	11:14	3.55	16.7	62.1	7.37	2,178.5	3.04	1.66	-100.6
MW-352	4/18/2024	11:17	3.55	16.7	62.1	7.40	2,189.0	2.85	1.99	-97.0
MW-352	4/18/2024	11:20	3.55	17.0	62.6	7.41	2,191.7	2.90	2.60	-93.7

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-355	4/17/2024	12:14	23.71	15.4	59.7	7.11	663.8	1.06	5.68	-51.6
MW-355	4/17/2024	12:17	23.71	15.3	59.5	7.10	660.8	0.83	4.08	-40.0
MW-355	4/17/2024	12:20	23.71	15.2	59.4	7.10	659.7	0.75	3.87	-30.6
MW-355	4/17/2024	12:23	23.71	15.2	59.4	7.09	660.1	0.71	3.42	-23.6

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-356	4/16/2024	12:14	4.64	16.2	61.2	7.78	972.6	1.73	3.17	-70.3
MW-356	4/16/2024	12:17	4.64	16.2	61.2	7.77	964.2	1.10	2.81	-80.2
MW-356	4/16/2024	12:20	4.64	16.2	61.2	7.77	940.4	0.87	2.15	-79.3
MW-356	4/16/2024	12:23	4.64	16.2	61.2	7.77	922.8	0.79	1.95	-72.1

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-358	4/17/2024	9:42	3.81	16.2	61.2	7.94	3,610.0	0.59	18.96	-163.4
MW-358	4/17/2024	9:45	3.81	16.2	61.2	7.94	3,510.8	0.58	28.33	-164.9
MW-358	4/17/2024	9:48	3.81	16.2	61.2	7.95	3,402.3	0.57	56.23	-164.2
MW-358	4/17/2024	9:51	3.81	16.1	61.0	7.96	3,263.7	0.56	80.39	-165.1
MW-358	4/17/2024	9:54	3.81	16.2	61.2	7.96	3,168.1	0.55	63.76	-170.0
MW-358	4/17/2024	9:57	3.81	16.1	61.0	7.94	3,047.6	0.54	93.23	-185.5
MW-358	4/17/2024	10:00	3.81	16.2	61.2	7.86	2,924.0	0.54	96.35	-219.8
MW-358	4/17/2024	10:03	3.81	16.1	61.0	7.77	2,725.5	0.55	27.16	-246.6
MW-358	4/17/2024	10:08	3.81	16.1	61.0	7.73	2,598.4	1.88	13.36	-248.0
MW-358	4/17/2024	10:11	3.81	16.1	61.0	7.71	2,560.3	0.66	13.72	-264.0
MW-358	4/17/2024	10:14	3.81	16.1	61.0	7.70	2,536.0	0.57	19.35	-273.3
MW-358	4/17/2024	10:17	3.81	16.2	61.2	7.69	2,511.3	0.54	22.55	-279.9

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-366	4/16/2024	14:34	16.54	15.8	60.4	6.79	1,468.0	1.08	31.48	58.2
MW-366	4/16/2024	14:37	16.54	16.2	61.2	6.78	1,457.9	0.88	27.14	61.9
MW-366	4/16/2024	14:40	16.54	16.3	61.3	6.78	1,452.5	0.79	25.84	64.8
MW-366	4/16/2024	14:43	16.54	16.4	61.5	6.77	1,447.1	0.75	27.93	67.0

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-369	4/16/2024	12:57	10.49	16.4	61.5	8.41	1,811.2	0.83	36.91	-120.5
MW-369	4/16/2024	13:00	10.49	16.2	61.2	8.44	1,676.1	0.77	42.25	-110.9
MW-369	4/16/2024	13:09	10.49	16.0	60.8	7.78	1,336.6	1.79	5.59	-47.8
MW-369	4/16/2024	13:12	10.49	16.3	61.3	7.33	1,213.1	0.85	5.28	-57.3
MW-369	4/16/2024	13:15	10.49	16.4	61.5	7.08	1,077.1	0.72	4.76	-52.1
MW-369	4/16/2024	13:18	10.49	16.3	61.3	7.00	991.1	0.68	4.52	-46.6

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-370	4/16/2024	13:30	17.95	17.0	62.6	7.56	4,333.5	1.90	2.59	12.0
MW-370	4/16/2024	13:33	17.95	17.2	63.0	7.59	4,437.7	1.06	2.40	9.9
MW-370	4/16/2024	13:36	17.95	18.2	64.8	7.59	4,444.5	0.85	2.28	14.7
MW-370	4/16/2024	13:39	17.95	18.4	65.1	7.59	4,470.0	0.81	2.01	20.0

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

LIMS Workorder: 240040437

Baldwin- 2Q 2024

BAL-845-601

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-375	4/17/2024	13:41	34.05	15.6	60.1	7.83	1,299.6	1.03	5.38	-15.4
MW-375	4/17/2024	13:44	34.05	15.5	59.9	7.81	1,278.3	0.82	5.32	-10.7
MW-375	4/17/2024	13:47	34.05	15.6	60.1	7.81	1,261.0	0.76	4.72	-4.5

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-377	4/17/2024	14:17	7.72	18.0	64.4	7.12	1,131.7	0.71	5.52	-39.1
MW-377	4/17/2024	14:20	7.72	17.9	64.2	7.12	1,124.3	0.42	9.16	-36.0
MW-377	4/17/2024	14:23	7.72	18.0	64.4	7.12	1,118.9	0.32	7.99	-31.9
MW-377	4/17/2024	14:26	7.72	18.0	64.4	7.12	1,117.0	0.26	9.45	-28.4

Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-382	4/17/2024	12:49	16.47	17.1	62.8	7.77	1,837.1	0.47	31.66	-59.2
MW-382	4/17/2024	12:52	16.47	17.1	62.8	7.74	1,808.3	0.25	74.42	-42.8
MW-382	4/17/2024	12:55	16.47	17.0	62.6	7.72	1,796.3	0.19	130.35	-33.5
MW-382	4/17/2024	12:58	16.47	17.0	62.6	7.71	1,795.9	0.16	170.68	-29.2
MW-382	4/17/2024	13:01	16.47	17.2	63.0	7.71	1,794.8	0.14	133.13	-27.4
MW-382	4/17/2024	13:04	16.47	17.1	62.8	7.70	1,795.2	0.14	150.14	-26.5
MW-382	4/17/2024	13:07	16.47	17.2	63.0	7.70	1,786.8	0.13	149.34	-27.0

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-383	4/17/2024	10:40	20.59	19.4	66.9	7.63	1,138.9	1.34	5.93	-82.2
MW-383	4/17/2024	10:43	20.59	19.4	66.9	7.62	1,144.0	0.94	6.44	-66.3
MW-383	4/17/2024	10:46	20.59	19.4	66.9	7.60	1,142.8	0.77	5.21	-56.7
MW-383	4/17/2024	10:49	20.59	19.4	66.9	7.59	1,140.4	0.69	4.60	-49.6
MW-383	4/17/2024	10:52	20.59	19.3	66.7	7.58	1,138.7	0.66	5.25	-43.6

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-384	4/17/2024	11:08	16.22	18.4	65.1	8.06	2,154.0	1.17	8.03	-24.2
MW-384	4/17/2024	11:11	16.22	18.4	65.1	8.07	2,160.0	0.82	5.12	-23.3
MW-384	4/17/2024	11:14	16.22	18.4	65.1	8.08	2,160.8	0.71	5.62	-21.2
MW-384	4/17/2024	11:17	16.22	18.4	65.1	8.07	2,158.6	0.66	4.56	-18.4

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

LIMS Workorder: 240040437

Baldwin- 2Q 2024

BAL-845-601

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-390	4/16/2024	14:10	6.71	18.3	64.9	7.23	1,907.6	1.11	7.49	-6.7
MW-390	4/16/2024	14:13	6.71	18.2	64.8	7.21	1,807.1	0.82	6.91	7.2
MW-390	4/16/2024	14:16	6.71	18.3	64.9	7.20	1,689.6	0.75	5.88	16.6
MW-390	4/16/2024	14:19	6.71	18.1	64.6	7.19	1,541.5	0.70	5.98	22.8

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-391	4/18/2024	9:32	71.48	Dry- No Sample						

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-392	4/16/2024	11:46	8.83	17.6	63.7	7.65	2,658.5	1.77	7.69	-105.2
MW-392	4/16/2024	11:49	8.83	17.6	63.7	7.66	2,679.9	1.13	9.53	-115.2
MW-392	4/16/2024	11:52	8.83	17.5	63.5	7.67	2,685.7	0.90	7.80	-117.5

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-393	4/16/2024	10:58	8.25	16.9	62.4	8.16	3,105.0	1.22	7.16	-157.3
MW-393	4/16/2024	11:01	8.25	16.9	62.4	8.16	3,216.3	0.79	4.79	-162.0
MW-393	4/16/2024	11:04	8.25	17.1	62.8	8.16	3,232.1	0.70	7.60	-165.9

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-394	4/16/2024	10:04	6.64	16.5	61.7	7.87	3,299.8	0.88	2.81	-206.2
MW-394	4/16/2024	10:07	6.64	16.8	62.2	7.88	3,286.0	0.79	2.41	-236.8
MW-394	4/16/2024	10:10	6.64	16.9	62.4	7.90	3,243.9	0.72	2.83	-267.7

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-156	4/17/2024	15:24	6.14	14.7	58.5	6.68	939.4	4.29	16.89	39.6

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-157	4/17/2024	15:15	5.98	17.9	64.2	6.29	4,099.6	3.83	34.99	49.1

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-256	4/17/2024	14:45	8.61	18.6	65.5	7.07	631.1	1.85	12.18	73.8
OW-256	4/17/2024	14:48	8.61	18.0	64.4	7.03	630.8	1.66	14.03	76.3
OW-256	4/17/2024	14:51	8.61	17.9	64.2	6.96	635.8	1.41	20.03	78.1
OW-256	4/17/2024	14:54	8.61	18.1	64.6	6.91	640.3	1.11	15.66	78.1
OW-256	4/17/2024	14:57	8.61	18.9	66.0	6.90	639.2	1.06	13.05	76.1
OW-256	4/17/2024	15:00	8.61	22.0	71.6	6.89	632.1	1.04	10.99	73.7

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
OW-257	4/17/2024	14:14	6.5	21.6	70.9	7.16	849.2	2.19	28.90	63.5
OW-257	4/17/2024	14:17	6.5	20.5	68.9	7.18	863.1	2.07	42.92	69.4
OW-257	4/17/2024	14:20	6.5	21.1	70.0	7.17	853.3	2.06	50.07	64.1
OW-257	4/17/2024	14:23	6.5	23.2	73.8	7.16	854.5	2.09	26.60	62.2
OW-257	4/17/2024	14:26	6.5	22.6	72.7	7.18	862.3	2.08	24.79	61.4
OW-257	4/17/2024	14:29	6.5	22.8	73.0	7.18	858.0	2.06	19.21	60.6

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

LIMS Workorder: 240040437

Baldwin- 2Q 2024

BAL-845-601

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-170	4/17/2024	10:36	14.25	16.7	62.1	6.61	1,666.4	1.09	5.79	-123.9
PZ-170	4/17/2024	10:39	14.25	16.3	61.3	6.61	1,708.8	0.87	5.53	-143.1
PZ-170	4/17/2024	10:42	14.25	16.4	61.5	6.60	1,978.5	0.78	4.92	-187.5
PZ-170	4/17/2024	10:45	14.25	16.4	61.5	6.62	1,866.5	0.70	4.04	-174.3

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
PZ-182	4/17/2024	11:46	17.16	18.0	64.4	6.65	1,167.1	1.00	41.94	-153.8
PZ-182	4/17/2024	11:49	17.16	17.8	64.0	6.66	1,167.6	1.06	22.00	-150.5
PZ-182	4/17/2024	11:52	17.16	18.0	64.4	6.66	1,167.4	1.15	15.18	-146.3
PZ-182	4/17/2024	11:55	17.16	18.2	64.8	6.66	1,166.4	1.11	23.92	-141.7
PZ-182	4/17/2024	11:58	17.16	18.1	64.6	6.66	1,165.2	1.06	13.22	-140.6

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
TPZ-164	4/18/2024	12:17	3.68	15.7	60.3	7.24	859.5	1.97	7.77	-118.2
TPZ-164	4/18/2024	12:20	3.68	15.5	59.9	7.25	862.0	1.90	4.71	-118.9
TPZ-164	4/18/2024	12:23	3.68	15.4	59.7	7.25	863.2	1.80	4.30	-120.6
TPZ-164	4/18/2024	12:26	3.68	15.4	59.7	7.25	861.6	1.74	3.02	-121.7
TPZ-164	4/18/2024	12:29	3.68	15.8	60.4	7.25	860.6	1.66	2.19	-122.8

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	4/18/2024	8:32	9.7	14.7	58.5	6.87	739.4	1.06	9.48	-97.9
XPW01	4/18/2024	8:35	9.7	14.8	58.6	6.88	736.3	0.92	12.15	-105.6
XPW01	4/18/2024	8:38	9.7	14.8	58.6	6.88	733.7	0.88	10.63	-108.6
XPW01	4/18/2024	8:41	9.7	14.9	58.8	6.88	733.7	0.82	6.64	-110.2

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW05	4/18/2024	9:11	4.56	17.7	63.9	6.96	881.1	1.85	20.27	-97.4
XPW05	4/18/2024	9:14	4.56	17.7	63.9	6.99	871.8	1.66	17.69	-100.4
XPW05	4/18/2024	9:17	4.56	17.6	63.7	7.01	864.2	1.53	14.93	-97.3
XPW05	4/18/2024	9:20	4.56	17.6	63.7	7.03	859.0	1.40	13.36	-100.9

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

BALDWIN POWER PLANT, BOTTOM ASH POND

BAL-845-601

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW06	4/18/2024	9:38	2.24	14.2	57.6	7.19	738.9	1.12	15.01	-116.5
XPW06	4/18/2024	9:41	2.24	14.1	57.4	7.19	670.8	0.85	4.19	-107.3
XPW06	4/18/2024	9:44	2.24	14.1	57.4	7.17	670.9	0.78	2.65	-102.2
XPW06	4/18/2024	9:47	2.24	14.2	57.6	7.16	672.9	0.76	1.79	-99.3

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	4/18/2024	11:45	QA/QC Sample							

Site Sampling Event: Baldwin- 2Q24

LIMS Workorder: 240040437

Technician(s): JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Baldwin- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW-304 Duplicate	4/16/2024	11:12	9.21	16.7	62.1	7.82	2,487.0	0.52	3.87	8.4
MW-304 Duplicate	4/16/2024	11:15	9.21	16.7	62.1	7.82	2,486.2	0.34	6.03	18.9
MW-304 Duplicate	4/16/2024	11:18	9.21	16.8	62.2	7.82	2,478.2	0.28	2.15	26.4
MW-304 Duplicate	4/16/2024	11:21	9.21	16.8	62.2	7.82	2,478.5	0.25	4.14	32.1
MW-304 Duplicate	4/16/2024	11:24	9.21	17.2	63.0	7.81	2,473.9	0.23	7.29	36.4
MW-304 Duplicate	4/16/2024	11:27	9.21	17.3	63.1	7.81	2,470.1	0.22	4.75	40.3
MW-304 Duplicate	4/16/2024	11:30	9.21	17.3	63.1	7.81	2,465.0	0.21	7.09	43.8

Site Sampling Event: Baldwin- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 240040437

Baldwin- 2Q 2024

Technician(s): JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	4/18/2024	15:20	QA/QC Sample							

Site Sampling Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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 26599 Technician(s): justin colp Date: 4/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	4/16/24 9:58
7.0 Buffer	wc240307f	7.00	4/16/24 9:52
10.0 Buffer	wc231027d	9.96	4/16/24 10:01
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/16/24 10:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.09	4/16/24 10:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/16/24 10:04	16.9	7.00	1,414	0.04		
CCV-1	CCV	4/16/24 14:48	20.1	7.04	1,446	0.06		

Comments:

Field Meter ID: Pine 26599 Technician(s): justin colp Date: 4/17/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	4/17/24 9:14
7.0 Buffer	wc240307f	7.00	4/17/24 9:08
10.0 Buffer	wc231027d	9.97	4/17/24 9:16
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/17/24 9:19

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.08	4/17/24 9:20
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/17/24 9:22	19.2	7.01	1,413	0.08		
CCV-M-2	CCV	4/17/24 11:55	20.7	7.04	1,423	0.1		
CCV-2	CCV	4/17/24 15:03	22.1	7.05	1,427	0.1		

Comments:

Site Sampling Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

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 26599 Technician(s): justin colp Date: 4/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	4/18/24 8:04
7.0 Buffer	wc240307f	7.01	4/18/24 7:59
10.0 Buffer	wc231027d	10.01	4/18/24 8:09
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/18/24 8:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.45	4/18/24 8:13
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	4/18/24 8:16	18.3	7.01	1,413	0.45		
CCV-3	CCV	4/18/24 11:48	21.1	7.04	1,425	0.49		

Comments:

Field Meter ID: Technician(s): Date:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.			

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS							
CCV-M-4	CCV							
CCV-4	CCV							

Comments:

Site Sampling Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll/ Payton Yoch Date: 4/16/2024

pH Standards				Conductivity Standard			
LIMS ID	Calibration reading	Date/Time		LIMS ID	Reading	Date/Time	
4.0 Buffer	WC230830B	4.00	4/16/24 10:33	1,412 µS Std.	95009	1412	4/16/24 10:39
7.0 Buffer	WC240307F	7.00	4/16/24 10:28				
10.0 Buffer	WC230619B	10.00	4/16/24 10:35				
LCS/CCV (7.0 Buffer)	WC231207A						

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

Turbidity Standard			
LIMS ID	Reading	Date/Time	
0 NTU (DI Water)	1		
124 NTU	95834		

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/16/24 10:42	21.8	7.07	1,412	1.46		
CCV-1	CCV	4/16/24 14:46	26.5	7.10	1,410	1.43		

Comments:

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll/ Payton Yoch Date: 4/17/2024

pH Standards				Conductivity Standard			
LIMS ID	Calibration reading	Date/Time		LIMS ID	Reading	Date/Time	
4.0 Buffer	WC230830B	4.00	4/17/24 9:56	1,412 µS Std.	95009	1412	4/17/24 10:02
7.0 Buffer	WC240307F	7.02	4/17/24 9:56				
10.0 Buffer	WC230619B	10.00	4/17/24 9:57				
LCS/CCV (7.0 Buffer)	WC231207A						

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

Turbidity Standard			
LIMS ID	Reading	Date/Time	
0 NTU (DI Water)	1		
124 NTU	95834		

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/17/24 10:06	20.8	7.06	1,409	0.46		
CCV-2	CCV	4/17/24 15:39	25.3	7.00	1,425	1.66		

Comments:

Site Sampling Event: Baldwin- 2Q24
LIMS Workorder: 240040437
Technician(s): JC, TC, BG, PY

Field Calibration Log(s)
Baldwin- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT = QUARTER 2, 2024
BALDWIN POWER PLANT, BOTTOM ASH POND
BAL-845-601

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): Tracy Carroll/ Payton Yoch Date: 4/18/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	3.96	4/18/24 9:22
7.0 Buffer	WC240307F	7.01	4/18/24 9:23
10.0 Buffer	WC230619B	9.95	4/18/24 9:25
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	4/18/24 9:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	4/18/24 9:29	18.9	7.04	1,367	0.67		
CCV-M-3	CCV	4/18/24 11:56	20.6	7.04	1,411	0.5		
CCV-3	CCV	4/18/24 14:04	23.7	7.05	1,432	0.45		

Comments:

Field Meter ID: Technician(s): Date:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS/CCV (7.0 Buffer)			

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.			

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS							
CCV-M-4	CCV							
CCV-4	CCV							

Comments:



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 3/25/2024 12:25:29PM

Group # 5		Range Acc % 0.0000	
Group Name Dissolved Oxygen Span		Reading Acc % 3.0000	
Stated Accy Pct of Reading		Plus/Minus 0.0	
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>
100.0 / 100.0	%	100.0	%
		<u>End As</u>	<u>Lft As</u>
		96.9	99.3
		<u>Dev%</u>	<u>Pass/Fail</u>
		-0.70%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Next Cal Date / Expiration Date</u>
STL 126 NTU	STL 126 NTU	YSI	126 NTU	23E24002133	5/20/2024
L#23E24002133	L#23E24002133				
STL 1413	STL 1413 COND	AquaPhoenix	31986	4GB0749	2/25/2025
COND	L#4GB0749	Scientific			
L#4GB0749					
STL AUTOCAL	Auto Cal Solution 0	GFS	8483	24009059	3/20/2025
L#24009059	NTU/PH 4				
STL ORP	STL ORP SOLUTION	AquaPhoenix	ORP Solution	3GJ0994	7/25/2024
SOLUTION	240MV L#3GJ0994	Scientific			
240MV					
L#3GJ0994					
STL PH10	STL PH10 #3GK0004	AquaPhoenix	PH 10	3GK0004	11/25/2025
#3GK0004		Scientific			
STL PH4	STL pH4 L#3GH0675	AquaPhoenix	pH 4	3GH0675	8/25/2025
L#3GH0675		Scientific			
STL PH7	STL PH7 L#3GK1332	AquaPhoenix	PH7	3GK1332	11/25/2025
L#3GK1332		Scientific			

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 3/25/2024 12:25:29PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot 15H101893
Number
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.25	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.31	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.36	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	118.31	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.469	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.0 / 240.0	mv	240.0	mv	224.4	240.0	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 3/27/2024 5:59:58PM

Group # 5				Range Acc % 0.0000				
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000				
Stated Accy Pct of Reading				Plus/Minus 0.00				
<u>Nom In Val / In Val</u>		<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.00 / 100.00		%	100.00	%	97.30	100.00	0.00%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#3GJ0994	STL ORP SOLUTION 240MV L#3GJ0994	AquaPhoenix Scientific	ORP Solution	3GJ0994		7/25/2024
STL PH10 #3GK0004	STL PH10 #3GK0004	AquaPhoenix Scientific	PH 10	3GK0004		11/25/2025
STL PH4 L#3GH0675	STL pH4 L#3GH0675	AquaPhoenix Scientific	pH 4	3GH0675		8/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 3/27/2024 5:59:58PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.30	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.31	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.24	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	FNU	0.00	FNU	0.59	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	118.44	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.474	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	228.50	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
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**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 2, 2024**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-192	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00230
MW-192	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	33	CI around geomean	0.00131	0.00578
MW-192	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0909	0.261
MW-192	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-192	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.028	2.23
MW-192	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-192	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	11.9	1,370
MW-192	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.0125
MW-192	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	42	CI around mean	0.00101	0.00220
MW-192	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.415	3.36
MW-192	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00220
MW-192	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	8	CB around linear reg	-0.0252	0.123
MW-192	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-192	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00177	0.0782
MW-192	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	7.3/8.4
MW-192	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.337	4.14
MW-192	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-192	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-7.03	228
MW-192	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002
MW-192	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	-81.3	3,260
MW-193	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.00230
MW-193	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	25	CB around T-S line	-0.00464	0.00578
MW-193	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	0.0743	0.261
MW-193	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-193	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	8	CI around mean	0.0377	2.23
MW-193	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-193	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	30.3	1,370

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-193	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.0125
MW-193	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.00220
MW-193	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.246	3.36
MW-193	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00220
MW-193	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00451	0.123
MW-193	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-193	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.0782
MW-193	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	7.3/8.4
MW-193	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.463	4.14
MW-193	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-193	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	154	228
MW-193	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002
MW-193	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	541	3,260
MW-356	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	89	CI around median	0.001	0.00230
MW-356	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	83	CI around median	0.001	0.00578
MW-356	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around median	0.0299	0.261
MW-356	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-356	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.94	2.23
MW-356	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-356	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	27.8	1,370
MW-356	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	100	All ND - Last	0.0015	0.0125
MW-356	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.00220
MW-356	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1.99	3.36
MW-356	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.00220
MW-356	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.0526	0.123
MW-356	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.0002
MW-356	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	63	CI around median	0.0015	0.0782

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-356	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CI around median	7.7/7.8	7.3/8.4
MW-356	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around median	0.12	4.14
MW-356	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	100	All ND - Last	0.001	0.00320
MW-356	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	44.2	228
MW-356	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002
MW-356	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	660	3,260
MW-369	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	21	81	CB around T-S line	-0.000206	0.00230
MW-369	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	24	12	CI around geomean	0.00145	0.00578
MW-369	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	24	0	CB around T-S line	0.0698	0.261
MW-369	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-369	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	25	0	CB around linear reg	-0.153	2.23
MW-369	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-369	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	25	0	CI around geomean	86.4	1,370
MW-369	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	23	91	CB around T-S line	0.0015	0.0125
MW-369	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	22	82	CI around median	0.001	0.00220
MW-369	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-0.569	3.36
MW-369	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	22	96	CI around median	0.001	0.00220
MW-369	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	24	4	CI around mean	0.021	0.123
MW-369	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.0002	0.0002
MW-369	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	24	4	CB around T-S line	-0.00551	0.0782
MW-369	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	25	0	CI around mean	7.4/8.0	7.3/8.4
MW-369	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	24	0	CI around mean	0.45	4.14
MW-369	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	21	67	CB around T-S line	-0.00896	0.00320
MW-369	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-36.3	228
MW-369	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.002	0.002
MW-369	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	25	0	CI around median	726	3,260
MW-370	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	78	CB around T-S line	-0.000129	0.00230

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-370	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	60	CB around T-S line	0.000221	0.00578
MW-370	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CB around T-S line	0.0272	0.261
MW-370	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-370	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.77	2.23
MW-370	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-370	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1,400	1,370
MW-370	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	97	CB around T-S line	0.0015	0.0125
MW-370	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.00220
MW-370	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	3.07	3.36
MW-370	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.00220
MW-370	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	0.132	0.123
MW-370	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.0002
MW-370	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	3	CB around T-S line	0.00347	0.0782
MW-370	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CB around T-S line	7.3/7.5	7.3/8.4
MW-370	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.57	4.14
MW-370	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	96	Most recent sample	0.001	0.00320
MW-370	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	249	228
MW-370	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002
MW-370	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	2,990	3,260
MW-382	UA	E005	Antimony, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.00230
MW-382	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/17/24	24	21	CI around median	0.0012	0.00578
MW-382	UA	E005	Barium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0176	0.261
MW-382	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/17/24	19	95	CI around median	0.001	0.001
MW-382	UA	E005	Boron, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	1.71	2.23
MW-382	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-382	UA	E005	Chloride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around mean	34.4	1,370
MW-382	UA	E005	Chromium, total	mg/L	12/29/15 - 04/17/24	23	9	CB around linear reg	0.00661	0.0125

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-382	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/17/24	22	64	CB around T-S line	0.001	0.00220
MW-382	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	2.77	3.36
MW-382	UA	E005	Lead, total	mg/L	12/29/15 - 04/17/24	22	54	CB around T-S line	0.001	0.00220
MW-382	UA	E005	Lithium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0578	0.123
MW-382	UA	E005	Mercury, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.0002	0.0002
MW-382	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/17/24	24	25	CI around geomean	0.00134	0.0782
MW-382	UA	E005	pH (field)	SU	12/29/15 - 04/17/24	25	0	CI around mean	7.7/7.8	7.3/8.4
MW-382	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/17/24	24	0	CB around T-S line	0.545	4.14
MW-382	UA	E005	Selenium, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.00320
MW-382	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	358	228
MW-382	UA	E005	Thallium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.002	0.002
MW-382	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	1,050	3,260
MW-392	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.00230
MW-392	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.001	0.00578
MW-392	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0388	0.261
MW-392	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-392	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.68	2.23
MW-392	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-392	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	648	1,370
MW-392	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.0125
MW-392	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.00220
MW-392	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	4.07	3.36
MW-392	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.00220
MW-392	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0613	0.123
MW-392	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-392	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.0782
MW-392	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around median	7.6/7.7	7.3/8.4

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-392	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.422	4.14
MW-392	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-392	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around geomean	48.8	228
MW-392	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002
MW-392	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1,340	3,260
MW-393	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.00230
MW-393	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00578
MW-393	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0248	0.261
MW-393	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-393	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1.59	2.23
MW-393	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-393	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	664	1,370
MW-393	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.0125
MW-393	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.00220
MW-393	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	7.95	3.36
MW-393	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00220
MW-393	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0594	0.123
MW-393	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-393	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.0782
MW-393	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around mean	7.9/8.3	7.3/8.4
MW-393	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.268	4.14
MW-393	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-393	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	69.7	228
MW-393	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002
MW-393	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	2,220	3,260
MW-394	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	67	CB around T-S line	-0.00353	0.00230
MW-394	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	50	CI around median	0.001	0.00578

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-394	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.029	0.261
MW-394	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-394	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.59	2.23
MW-394	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-394	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	492	1,370
MW-394	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.0015	0.0125
MW-394	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00220
MW-394	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	3.34	3.36
MW-394	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00220
MW-394	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0524	0.123
MW-394	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-394	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	33	CI around mean	0.00332	0.0782
MW-394	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	7.7/8.0	7.3/8.4
MW-394	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.437	4.14
MW-394	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.00320
MW-394	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-2.64	228
MW-394	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002
MW-394	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1,790	3,260
OW-256	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00230
OW-256	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.00085	0.00578
OW-256	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.0799	0.261
OW-256	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
OW-256	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.151	2.23
OW-256	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
OW-256	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	52.2	1,370
OW-256	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.0125
OW-256	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	50	CI around median (Last Sample, n<7)	0.001	0.00220

ATTACHMENT C.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-256	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.228	3.36
OW-256	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00220
OW-256	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	17	CI around mean	0.00429	0.123
OW-256	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.0782
OW-256	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/6.9	7.3/8.4
OW-256	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.536	4.14
OW-256	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00320
OW-256	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	63.8	228
OW-256	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002
OW-256	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	473	3,260
OW-257	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000786	0.00230
OW-257	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	17	CI around geomean	0.000736	0.00578
OW-257	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.113	0.261
OW-257	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.001
OW-257	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.419	2.23
OW-257	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.001
OW-257	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	6.55	1,370
OW-257	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000362	0.0125
OW-257	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.000375	0.00220
OW-257	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.366	3.36
OW-257	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000218	0.00220
OW-257	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.0299	0.123
OW-257	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.0002
OW-257	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	33	CI around mean	0.00236	0.0782
OW-257	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/7.3	7.3/8.4
OW-257	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.225	4.14

ATTACHMENT C.
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BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-257	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00320
OW-257	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	101	228
OW-257	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002
OW-257	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	682	3,260
PZ-170	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.001	0.00230
PZ-170	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	5	40	CI around geomean	0.000887	0.00578
PZ-170	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0424	0.261
PZ-170	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.001
PZ-170	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.212	2.23
PZ-170	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.001
PZ-170	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	36.7	1,370
PZ-170	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.0015	0.0125
PZ-170	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.00072	0.00220
PZ-170	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.176	3.36
PZ-170	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	5	80	CI around median (Last Sample, n<7)	0.002	0.00220
PZ-170	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0246	0.123
PZ-170	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0002	0.0002
PZ-170	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0015	0.0782
PZ-170	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.6	7.3/8.4
PZ-170	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.106	4.14
PZ-170	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.00320
PZ-170	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	144	228
PZ-170	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.002	0.002
PZ-170	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	720	3,260
PZ-182	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00578
PZ-182	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.057	0.261

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
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BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-182	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
PZ-182	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.424	2.23
PZ-182	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
PZ-182	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	37	1,370
PZ-182	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	83	Most recent sample	0.001	0.00220
PZ-182	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.153	3.36
PZ-182	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00220
PZ-182	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.00834	0.123
PZ-182	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.0782
PZ-182	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.7	7.3/8.4
PZ-182	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.166	4.14
PZ-182	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	133	228
PZ-182	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002
PZ-182	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	643	3,260

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
PMP = Potential Migration Pathway
UA = Uppermost Aquifer
UU = Upper Unit
mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
CB around T-S line = Confidence band around Thiel-Sen line
CB around linear reg = Confidence band around linear regression
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median = Confidence interval around the median
Most recent sample = Result for the most recently collected sample used due to insufficient data
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination