

2021 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT MERRIMACK STATION COAL ASH LANDFILL

Bow, New Hampshire

Prepared for GSP Merrimack LLC File No. 2025.10 January 2021

SANBORN, HEAD & ASSOCIATES, INC.



Mr. Allan Palmer GSP Merrimack LLC 431 River Road Bow, New Hampshire 03304 January 21, 2021 File No. 2025.10

Re: 2021 Annual Groundwater Monitoring and Corrective Action Report Merrimack Station Coal Ash Landfill Bow, New Hampshire

Dear Allan:

Groundwater monitoring at the Merrimack Station Coal Ash Landfill site (Site) in Bow, New Hampshire is required pursuant to 40 CFR Part 257.90. Sanborn, Head & Associates, Inc. (Sanborn Head) prepared this 2021 Annual Groundwater Monitoring and Corrective Action Report (Annual Report) for the Site as required by 40 CFR Part 257.90(e), and this Annual Report covers the reporting period from January 1, 2020 through December 31, 2020. This report and the services provided by Sanborn Head are subject to the Limitations provided in Attachment A.

GROUNDWATER MONITORING AND CORRECTIVE ACTIONS OVERVIEW

As required under 40 CFR Part 257.90(e)(6), the following summarizes the groundwater monitoring and corrective action programs for the 2020 annual reporting period.

- (i) The Site was operating under the detection monitoring program at the start of the annual reporting period.
- (ii) The Site was operating under the detection monitoring program at the end of the annual reporting period, i.e., there was no need to implement assessment monitoring.
- (iii) There were no determinations of statistically significant increases over background.
- (iv) There were no determinations of statistically significant exceedances of groundwater protection standards.
- (v) There were no remedy selections required pursuant to 40 CFR Part 257.97.
- (vi) There were no initiated or ongoing remedial activities required pursuant to 40 CFR Part 257.98.

REPORT REQUIREMENTS

As required under 40 CFR Part 257.90(e), this Annual Report includes the following information:

- 1. A map, aerial image, or diagram showing the Site and the background (or upgradient) and downgradient monitoring wells that are part of the groundwater monitoring program for the Site;
- 2. Identification of monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;
- 3. Monitoring data obtained under 40 CFR Parts 257.90 through 257.98, including:
 - a. the number of groundwater samples that were collected for analysis for each background and downgradient well;
 - b. the dates the samples were collected; and
 - c. whether the sample was required by the detection monitoring or assessment monitoring programs;
- 4. A narrative discussion of transitions, if any, between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels);
- 5. Other information required to be included in the annual report as specified in 40 CFR Parts 257.90 through 257.98, including;
 - a. Groundwater elevations measured in each well immediately prior to purging and the rate and direction of groundwater flow, as calculated by the owner or operator of the Site, each time groundwater is sampled (40 CFR Part 257.93(c)); and
 - b. Written demonstrations prepared by a qualified professional engineer demonstrating that a source other than the Site caused the statistically significant increase (SSI) over background levels for a constituent or that the SSI resulted from an error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (40 CFR Part 257.94(e)(2));
- 6. As provided in the groundwater monitoring and corrective actions overview above, a section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the Site.

BACKGROUND

The Site has been operating since 1978 and was constructed in a former sand and gravel quarry on the property adjacent to the Merrimack Station electric power generation facility in Bow, New Hampshire. The landfill was constructed with a Hypalon geomembrane liner system and a leachate collection system, and it receives coal ash from the nearby Merrimack Station electric power generation facility. A portion of the landfill was filled to final grade and was capped with a final cover system. A Locus Plan for the Site is provided as Figure 1,

and the locations of the monitoring wells in relation to the landfill are indicated on the Facility Plan, Figure 2.

The groundwater quality at the Site has been routinely monitored since the 1980s under New Hampshire Department of Environmental Services (NHDES) regulations. The current groundwater monitoring program, as prescribed by the NHDES Groundwater Release Detection Permit No. GWP-198400065-B-006, dated March 16, 2017, requires measuring of static groundwater levels and laboratory analyses of groundwater samples from five (5) overburden monitoring wells (i.e., SB-1, SB-4, SB-6, SB-13, and SB-14) on a semi-annual basis.

As discussed in the Groundwater Monitoring Well Network Verification (Sanborn Head, January 14, 2016, available in the Site's operating record), the five monitoring wells were certified as an appropriate groundwater monitoring system and were constructed to meet the requirements of 40 CFR Part 257.91. No monitoring wells were installed or decommissioned at the Site during the reporting period.

SUMMARY OF GROUNDWATER MONITORING

As specified in 40 CFR Part 257.94(b), a detection monitoring program was initiated in October 2015. A Sampling and Analysis Plan (Sanborn Head, last revised on October 7, 2016) was prepared to address the sampling and analysis requirements of 40 CFR part 257.93. Monitoring well SB-13 is the upgradient/background monitoring well for the Site. The other monitoring wells are considered downgradient or sidegradient to the landfill, although groundwater flow conditions at the Site vary over time. For the groundwater monitoring program, unfiltered groundwater samples were collected and analyzed by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire using low-flow sampling techniques, based on the U.S. Environmental Protection Agency (USEPA) Low Stress (Low Flow) Standard Operating Procedure, revised January 19, 2010.

As part of the detection monitoring program, eight independent samples for each background and downgradient well were collected and analyzed for the constituents listed in 40 CFR Part 257 Appendix III (boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids) and Appendix IV (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 and 228 combined). The initial eight, independent samples were collected in February 2016 through April 2017 for the five Site monitoring wells. The statistical analysis of the groundwater monitoring data after the eight initial samples indicated that a transition between monitoring programs (i.e., to assessment monitoring) was not required.

Semi-annual detection monitoring, as specified in 40 CFR Part 257.94, was initiated in November 2017. Detection monitoring at the Site includes sampling the five wells for analysis of the Appendix III constituents. For the current reporting period, the semi-annual detection monitoring rounds were in April 2020 and November 2020. Additional samples were collected on February 14, 2020 as part of a resampling routine for the November 2019 monitoring round and July 8, 2020 as part of a resampling routine for the April 2020 monitoring round. As described below, the data analyses completed during the reporting

period indicated that a transition between monitoring programs (i.e., to assessment monitoring) was not required.

Groundwater analytical data are summarized in Table 1 and analytical laboratory reports are provided in Attachment B. The groundwater level measurements and inferred general groundwater flow directions are summarized in Table 2.

SUMMARY OF STATISTICAL ANALYSIS

As required under 40 CFR Part 257.90(b)(iv), Sanborn Head evaluated groundwater monitoring data for a statistically significant increase (SSI) over background levels for the constituents listed in 40 CFR Part 257 Appendix III at the five Site monitoring wells. On May 4, 2018, Sanborn Head issued a Statistical Method Selection Certification, applicable to the statistical analysis completed on the groundwater analytical data collected through July 8, 2020. The certification is available in the Site's operating record. Statistical analysis of the November 2020 data is ongoing.

The prediction interval procedure specified in 40 CFR Part 257.93(f)(3) was selected for evaluation of the most recent parameter values for the site wells (i.e., SB-1, SB-4, SB-6, SB-13, and SB-14). The prediction interval procedure was performed on parameters specified in Appendix III (i.e., boron, calcium, chloride, fluoride, pH, Sulfate, and total dissolved solids) using the multiple well and multiple parameter prediction limit equation. There were no determinations of statistically significant increases over background for data collected in 2020.

Data for the November 2020 groundwater detection monitoring round are included in Table 1; however, the statistical analysis for the November 2020 data is on-going. As stipulated in 40 CFR Part 257.93(h)(2), the Site operator has 90 days from completing the sampling and analysis to identify whether there is an SSI over background. The laboratory analyses were received November 30, 2020, and the statistical analysis is due by February 28, 2021.

CLOSING

We understand that GSP Merrimack LLC will be responsible for placing this Annual Report in the Site's operating record by January 31, 2021. The next Annual Report will be due January 31, 2022 for the time period from January 1, 2021 through December 31, 2021.

Sincerely, Sanborn, Head & Associates, Inc.

Harrison R. Roakes, PE Project Manager

HRR/ESS: hrr

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Eric S. Steinhauser, PE, CPESC, CPSWQ Senior Vice President

Enclosures:	Table 1	Grou	undwater Analytical Results Summary
	Table 2	Grou	undwater Level Measurements Summary
	Figure 1	Locu	is Plan
	Figure 2	Faci	lity Plan
	Attachmer	nt A	Limitations
	Attachmer	nt B	Analytical Laboratory Reports

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TABLES



TABLE 1 Groundwater Analytical Results Summary Merrimack Station Coal Ash Landfill Bow, New Hampshire

													N	letals							-			
			1		1	-					μg/I	4	-			1		1	1	1	s.u		pCi/L	1
Location	Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Chloride	Fluoride	Sulfate	Total Dissolved Solids	Hq	Radium 226	Radium 228	Radium 226+228
Drink	ting Water MCL	6	10	2,000	4	NS	5	NS	100	NS	15*	NS	2	NS	50	2	NS	4,000	NS	NS	NS	NS	NS	5
CCF	R Alt. Standards	NA	NA	NA	NA	NA	NA	NA	NA	6	15	40	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GW-1/(AGQS)	6‡	10 ‡	2,000 ‡	4 ‡	6,000 ‡	5 ‡	NS ‡	100	NS ‡	15 ‡	NS	2 ‡	NS	50 ‡	2 ‡	NS	4,000	500,000	NS	NS	NS	NS	NS
	GW-2	NA	NA	NA	NA	NA	NA	NS	NA	NS	NA	NS	NA	NS	NA	NA	NS	†	†	NS	NS	NS	NS	NS
	2/24/2016	<1.0	<1.0	14	<1.0	60	<1.0	7,200	<1.0	<1.0	<1.0	<1,000	< 0.10	<1.0	<1.0	<1.0	44,000	<100	8,000	96,000	5.21	0.2 ± 0.1	0.6 ± 0.6	0.8 ± 0.6
	4/25/2016	<1.0	<1.0	18	<1.0	100	<1.0	8 200	<1.0	<1.0	<1.0	<100	< 0.10	1.0	<1.0	<1.0	58,000	<100	9,000	120,000	5.72	0.5 ± 0.2	0.2 ± 0.4	0.7 ± 0.4
	7/18/2016	<1.0	<1.0	16	<1.0	70	<1.0	8,600	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	60.000	<100	9,000	120.000	5.35	0.0 ± 0.3 0.4 +0.3	0.2 ± 0.3 0.0 +0.6	0.4 ± 0.5
	8/30/2016	<1.0	<1.0	17	<1.0	<50	<1.0	7,900	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	49,000	<100	7,000	120,000	5.23	0.4 ±0.3	0.3 ±0.4	0.7 ±0.4
	10/17/2016	<1.0	<1.0	17	<1.0	<50	<1.0	9,700	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	60,000	<100	6,000	130,000	5.63	0.6 ± 0.4	0.0 ± 0.4	0.6 ±0.4
	11/29/2016	<1.0	<1.0	16	<1.0	<50	<1.0	8,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	62,000	<100	6,000	88,000	5.63	1.0 ± 0.4	0.8 ± 0.5	1.8 ± 0.5
6D 1	4/19/2017	<1.0	<1.0	16	<1.0	<50	<1.0	10,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	56,000	<100	8,000	120,000	5.81	0.4 ±0.3	0.2 ±0.5	0.6 ±0.5
2B-1	11/17/2017					50		12,000									68,000	<100	8,000	120,000	5.70			
	4/9/2018 ¢					67		12,000									55 000	<100	10,000	160.000	5 90			
	7/25/2018 ¢					07		12,000									63,000	~100	13,000	140,000	5.94			
	11/29/2018					87		13,000									66,000	<100	10,000	100,000	6.07			
	4/26/2019					100		13,000									55,000	<100	12,000	140,000	5.78			
	11/15/2019					59		11,000				ļ					68,000	<100	10,000	140,000	5.56			
	4/23/2020					70		14,000									53,000	<100	11,000	150,000	5.94			
	2/22/2016	<1.0	<1.0	14	<1.0	<50	<1.0	8 4 0 0	<1.0	<1.0	<1.0	<1.000	<0.10	<1.0	<1.0	<1.0	95,000	<100	9,000	210,000	5.30	03+01	10+06	13+06
	4/25/2016	<1.0	<1.0	14	<1.0	<50	<1.0	9.300	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	110.000	<100	8,000	210,000	5.32	0.3 ± 0.1 0.3 +0.3	0.0 ± 0.0	1.3 ± 0.0 0.3 +0.4
	6/6/2016	<1.0	<1.0	12	<1.0	<50	<1.0	8,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	110,000	<100	10,000	230,000	5.62	0.2 ± 0.2	0.4 ± 0.5	0.6 ±0.5
	7/18/2016	<1.0	<1.0	11	<1.0	<50	<1.0	7,800	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	100,000	<100	11,000	220,000	5.27	0.4 ±0.3	0.4 ±0.6	0.8 ±0.6
	8/30/2016	<1.0	<1.0	10	<1.0	<50	<1.0	6,800	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	88,000	<100	12,000	210,000	5.72	0.2 ±0.2	0.0 ± 0.4	0.2 ±0.4
	10/17/2016	<1.0	<1.0	12	<1.0	<50	<1.0	8,400	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	100,000	<100	10,000	190,000	5.71	0.3 ±0.3	0.0 ± 0.5	0.3 ± 0.5
	11/29/2016	<1.0	1.0	12	<1.0	<50	<1.0	7,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	100,000	<100	10,000	180,000	5.79	0.7 ±0.3	0.5 ± 0.5	1.2 ±0.5
	4/19/2017	<1.0	<1.0	19	<1.0	<50	<1.0	10,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	120,000	<100	9,000	260,000	5.71	0.3 ±0.3	0.0 ±0.5	0.3 ±0.5
SB-4	4/9/2018					<50		11,000									93,000	<100	12,000	220,000	5.87			
	7/25/2018 ¢							9,800									95,000		11,000	210,000	5.68			
	11/28/2018					<50		12,000									86,000	<100	13,000	83,000	6.28			
	4/26/2019					<50		13,000									94,000	<100	11,000	190,000	5.83			
	11/15/2019					53		11,000									97,000	<100	11,000	230,000	5.75			
	2/14/2020 ¢					<50		11,000									100,000	-100	14,000	190,000	5.85			
	7/8/2020					57		11,000									99,000	<100	14 000	240,000	5.72			
	11/12/2020					60		9.600									120.000	<100	18.000	260.000	5.18			
	2/23/2016	<1.0	<1.0	9.0	<1.0	<50	<1.0	5,300	<1.0	<1.0	<1.0	<1,000	< 0.10	<1.0	<1.0	<1.0	80,000	<100	10,000	170,000	5.55	0.1 ±0.07	0.5 ±0.5	0.6 ±0.5
	4/25/2016	<1.0	<1.0	16	<1.0	<50	<1.0	9,300	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	140,000	<100	7,000	220,000	5.55	0.4 ±0.3	0.0 ±0.4	0.4 ± 0.4
	6/6/2016	<1.0	<1.0	17	<1.0	<50	<1.0	9,300	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	140,000	<100	8,000	270,000	5.40	0.5 ±0.3	0.0 ±0.5	0.5 ±0.5
	7/18/2016	<1.0	<1.0	17	<1.0	<50	<1.0	9,200	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	140,000	<100	9,000	260,000	5.27	0.5 ± 0.3	0.3 ±0.6	0.8 ±0.6
	8/30/2016	<1.0	<1.0	18	<1.0	<50	<1.0	9,100	<1.0	<1.0	<1.0	<100	<0.10	<1.0	<1.0	<1.0	140,000	<100	9,000	280,000	5./1	0.4 ± 0.2	0.0 ± 0.4	0.4 ± 0.4
	11/29/2016	<1.0	<1.0	16	<1.0	<50	<1.0	8 100	<1.0	<1.0	<1.0	<100	<0.10	<1.0	<1.0	<1.0	130,000	<100	9,000	230,000	5.78	0.2 ± 0.3 0.5 + 0.2	0.0 ± 0.3 0.8 + 0.5	13+05
	4/19/2017	<1.0	<1.0	13	<1.1	<51	<1.1	7,400	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	100,000	<100	9,000	190,000	5.68	0.4 ± 0.3	0.2 ±0.5	0.6 ±0.5
SD 6	11/17/2017					<50		9,900									130,000	<100	11,000	230,000	5.60			
30-0	4/9/2018					<50		7,900									120,000	<100	9,500	240,000	5.57			
	7/25/2018 ¢					F ~		11,000									180,000	400	12,000	310,000	5.44			
	11/28/2018					<50		12,000									150,000	<100	11,000	140,000	5.86			
	+/20/2019 7/11/2010 *					04 80		14 000									170,000	<100	15 000	330.000	5.78			
	11/15/2019					52		10,000									140.000	<100	13,000	280.000	5.75			1
	2/14/2020 ¢	_				<50		5,100		L				L			79,000		15,000	130,000	5.73			
	4/23/2020					<50		12,000									160,000	<100	8,100	270,000	5.56			
	11/12/2020					<50		12,000									180,000	<100	9,600	330,000	5.37			

TABLE 1 Groundwater Analytical Results Summary Merrimack Station Coal Ash Landfill Bow, New Hampshire

													М	etals										
											μg/I										s.u		pCi/L	
Location	Date	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Chloride	Fluoride	Sulfate	Total Dissolved Solids	Hď	Radium 226	Radium 228	Radium 226+228
Drink	king Water MCL	6	10	2,000	4	NS	5	NS	100	NS	15*	NS	2	NS	50	2	NS	4,000	NS	NS	NS	NS	NS	5
CCF	R Alt. Standards	NA	NA	NA	NA	NA	NA	NA	NA	6	15	40	NA	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GW-1/(AGQS)	6‡	10 ‡	2,000 ‡	4 ‡	6,000 ‡	5 ‡	NS ‡	100	NS ‡	15‡	NS	2 ‡	NS	50 ‡	2 ‡	NS	4,000	500,000	NS	NS	NS	NS	NS
	GW-2	NA	NA	NA	NA	NA	NA	NS	NA	NS	NA	NS	NA	NS	NA	NA	NS	†	†	NS	NS	NS	NS	NS
	2/23/2016	<1.0	<1.0	17	<1.0	<50	<1.0	9,900	<1.0	<1.0	<1.0	<1,000	< 0.10	<1.0	<1.0	<1.0	160,000	<100	6,000	270,000	5.34	0.6 ±0.1	0.3 ±0.6	0.9±0.6
	4/25/2016	<1.0	<1.0	17	<1.0	<50	<1.0	8,800	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	160,000	<100	7,000	290,000	5.48	0.4 ±0.3	0.1 ± 0.4	0.5 ± 0.4
	6/6/2016	<1.0	<1.0	20	<1.0	<50	<1.0	9,900	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	170,000	<100	7,000	320,000	5.50	0.8 ±0.3	0.0 ± 0.5	0.8 ± 0.5
	7/18/2016	<1.0	<1.0	18	<1.0	<50	<1.0	9,700	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	160,000	<100	8,000	330,000	5.27	0.8 ±0.3	0.0 ± 0.6	0.8 ± 0.6
	8/30/2016	<1.0	1.0	20	<1.0	<50	<1.0	8,100	2.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	150,000	<100	8,000	270,000	5.35	0.8 ±0.3	0.6 ± 0.4	1.4 ± 0.4
	10/17/2016	<1.0	<1.0	15	<1.0	<50	<1.0	8,800	2.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	150,000	<100	8,000	260,000	5.06	0.7 ±0.4	0.6 ±0.5	1.3 ±0.5
	11/29/2016	<1.0	<1.0	16	<1.0	<50	<1.0	7,400	1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	140,000	<100	8,000	240,000	5.71	0.6 ±0.3	0.7 ±0.5	1.3 ±0.5
	4/19/2017	<1.0	<1.0	16	<1.1	<51	<1.1	8,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	130,000	<100	8,000	270,000	5.56	0.9 ±0.3	0.3 ±0.5	1.2 ±0.5
SB-13	11/17/2017					<50		7,000									110,000	<100	9,000	220,000	5.80			
	4/9/2018					<50		11,000									170,000	<100	8,000	330,000	5.81			
	7/25/2018 ¢							10,000									190,000		8,700	340,000	5.69			
	11/28/2018					<50		13,000									200,000	<100	7,200	260,000	5.77			
	4/26/2019					<50		14,000									200,000	<100	7,100	290,000	5.53			
	11/15/2019					<50		8,100									140,000	<100	8,100	280,000	5.82			
	4/23/2020					<50		14,000									230,000	<100	6,500	400,000	5.47			
	7/8/2020					<50		14,000									210,000		6,900	370,000	5.41			
	11/12/2020					<50		11,000									180,000	<100	8,000	330,000	4.96			
	2/24/2016	<1.0	<1.0	3.0	<1.0	<50	<1.0	6,100	<1.0	<1.0	<1.0	<1,000	< 0.10	<1.0	<1.0	<1.0	16,000	<100	4,000	56,000	5.05	0.2 ± 0.08	0.0 ± 0.5	0.2 ±0.5
	4/25/2016	<1.0	<1.0	9.0	<1.0	<50	<1.0	11,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	58,000	<100	3,000	140,000	5.62	0.8 ±0.5	0.2 ±0.1	1.0 ±0.5
	6/6/2016	<1.0	<1.0	6.0	<1.0	<50	<1.0	7,600	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	32,000	<100	4,000	100,000	5.39	0.5 ±0.2	0.2 ±0.5	0.7 ±0.5
	7/18/2016	<1.0	<1.0	3.0	<1.0	<50	<1.0	6,300	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	21,000	<100	5,000	68,000	5.31	0.2 ±0.2	0.3 ±0.5	0.5 ±0.5
	8/30/2016	<1.0	<1.0	2.0	<1.0	<50	<1.0	5,300	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	14,000	<100	4,000	71,000	5.81	0.4 ±0.3	0.4 ± 0.5	0.8 ±0.5
	10/17/2016	<1.0	<1.0	2.0	<1.0	<50	<1.0	4,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	11,000	<100	4,000	29,000	5.55	0.2 ±0.3	0.0 ±0.5	0.2 ±0.5
	11/29/2016	<1.0	<1.0	2.0	<1.0	<50	<1.0	2,900	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	7,000	<100	4,000	12,000	5.19	0.2 ± 0.4	0.2 ±0.5	0.4 ±0.5
SR-14	4/19/2017	<1.0	<1.0	10	<1.0	<50	<1.0	10,000	<1.0	<1.0	<1.0	<100	< 0.10	<1.0	<1.0	<1.0	56,000	<100	5,000	120,000	5.59	0.7 ±0.3	0.1 ± 0.5	0.8 ±0.5
50 11	11/17/2017					<50		8,000									18,000	<100	5,000	59,000	5.60			
	4/9/2018					<50		4,200									14,000	<100	8,400	80,000	5.76			
	7/25/2018 ¢							5,100									9,800		6,100	56,000	5.61			
	11/28/2018					<50		4,500									7,800	<100	6,300	<5,000	5.96			
	4/26/2019					<50		8,700									19,000	<100	3,700	91,000	5.74			
	11/15/2019					<50		5,000									12,000	<100	7,800	69,000	5.94			
	4/23/2020					<50		5,500									9,200	<100	5,500	52,000	5.63			
	11/12/2020					<50		4,000									4,700	<100	15,000	68,000	5.1			

Notes:

1. Samples were collected by Eastern Analytical, Inc. (EAI) of Concord, New Hampshire on the dates indicated and analyzed by EAI for select metals by USEPA Method 6020. Additional analysis for select wet chemistry parameters were completed by EAI. Analysis for radium 226 and 228 was completed by KNL Environmental Testing, Inc., of Tampa, Florida. Analysis for lithium was completed by SGS Accutest, of Marlborough, Massachussets (Feb. 2016) and Katahdin Analytical Services, of Scarborough, Maine (April 2016 through October 2016).

2. Concentrations are presented in micrograms per liter (µg/L), which are equivalent to parts per billion (ppb), or they are presented in picoCuries per liter (pCi/L) or pH standard units.

3. "<" indicates the analyte was not detected above the indicated laboratory reporting limit.

A blank indicates the sample was not analyzed for this parameter.

4. "GW-1" and "GW-2" Groundwater Standards are from the New Hampshire Department of Environmental Services (NHDES) Contaminated Sites Risk Characterization and Management Policy (RCMP) (January 1998, with 2000 through 2018 revisions/addenda). GW-1 Groundwater Standards are equivalent to the Ambient Groundwater Quality Standards (AGQSs) promulgated in Env-Or 600 (June 2015 with October 2016, September 2018, September 2019, and May 2020 amendments). The AGQS/GW-1 Groundwater Standards are intended to be protective of groundwater as a source of drinking water. The GW-2 Groundwater Standards apply to groundwater as a potential source of indoor air contamination.

5. "Drinking Water MCLs" are from the United States Environmental Protection Agency (EPA) website (accessed March 22, 2016). The Maximum Contaminant Level (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards for drinking water systems.

"CCR Alt. Standards" were codified in 40 CFR Part 257.95(h)(2) for cobalt, lead, lithium, and molybdenum. These are alternative risk-based standards for the four constituents without MCLs that may require establishment of a groundwater protection standard under the coal combustion residuals (CCR) rules 40 CFR Part 257(h).

6. "*" indicates an MCL value is not currently available, and the listed value is an action level.

"†" indicates the RCMP lists the value as not currently available.

"#" indicates the value provided is the corresponding "dissolved metal" NHDES standard for reference only; NHDES standards for total metals are listed in the RCMP.

"NA" indicates the RCMP lists the value as not applicable.

"NS" indicates the analyte is not listed in the RCMP or MCL list.

TABLE 2 Groundwater Level Measurements Summary Merrimack Station Coal Ash Landfill Bow, New Hampshire

								I	Depths and	elevations i	n feet.						
		SB-1			SB-4			SB-6			SB-13			SB-14		Inferred	
Data																General	Inferred General
Date	Reference	Depth	Water	Reference	Depth	Water	Reference	Depth	Water	Reference	Depth	Water	Reference	Depth	Water	Groundwater	Groundwater Flow
	Elevation	to Water	Elevation	Elevation	to Water	Elevation	Elevation	to Water	Elevation	Elevation	to Water	Elevation	Elevation	to Water	Elevation	Flow Rate	Direction
																(feet/day)	
Feb-16	240.85	33.82	207.03	274.26	67.36	206.90	268.77	61.84	206.93	219.86	11.83	208.03	242.70	34.88	207.82	0.5 - 2.7	Northeast
Apr-16	240.85	32.19	208.66	274.26	65.63	208.63	268.77	60.07	208.70	219.86	10.16	209.70	242.70	33.13	209.57	0.5 - 2.5	Northeast
Jun-16	240.85	31.84	209.01	274.26	66.24	208.02	268.77	60.80	207.97	219.86	11.11	208.75	242.70	33.93	208.77	0.4 - 1.9	East
Jul-16	240.85	33.88	206.97	274.26	67.30	206.96	268.77	62.07	206.70	219.86	12.41	207.45	242.70	35.10	207.60	0.4 - 1.9	Northeast
Aug-16	240.85	35.09	205.76	274.26	68.54	205.72	268.77	63.19	205.58	219.86	13.76	206.10	242.70	36.39	206.31	0.3 - 1.4	Northeast
0ct-16	240.85	36.20	204.65	274.26	69.68	204.58	268.77	64.42	204.35	219.86	13.92	205.94	242.70	37.58	205.12	0.8 - 3.9	North-Northeast
Nov-16	240.85	36.40	204.45	274.26	69.93	204.33	268.77	64.69	204.08	219.86	15.14	204.72	242.70	37.80	204.90	0.3 - 1.6	East-Northeast
Apr-17	240.85	32.27	208.58	274.26	65.82	208.44	268.77	60.04	208.73	219.86	9.58	210.28	242.70	32.99	209.71	0.8 - 3.8	North-Northeast
Nov-17	240.85	32.87	207.98	274.26	66.39	207.87	268.77	60.97	207.80	219.86	11.33	208.53	242.70	34.08	208.62	0.4 - 1.8	Northeast
Apr-18	240.85	31.13	209.72	274.26	64.58	209.68	268.77	58.93	209.84	219.86	8.74	211.12	242.70	31.94	210.76	0.6 - 3.2	North-Northeast
Jul-18	240.85	32.60	208.25	274.26	66.01	208.25	268.77	60.84	207.93	219.86	11.13	208.73	242.70	33.78	208.92	0.4 - 2.0	Northeast
Nov-18	240.85	29.99	210.86	274.26	63.59	210.67	268.77	57.92	210.85	219.86	7.66	212.20	242.70	30.82	211.88	0.7 - 3.3	Northeast
Apr-19	240.85	29.83	211.02	274.26	63.34	210.92	268.77	57.60	211.17	219.86	7.51	212.35	242.70	30.72	211.98	0.6 - 2.9	North-Northeast
Jul-19	-	-	-	-	-	-	268.77	58.71	210.06	-	-	-	-	-	-	-	-
Nov-19	240.85	34.48	206.37	274.26	67.96	206.30	268.77	62.66	206.11	219.86	13.21	206.65	242.70	35.85	206.85	0.3 - 1.3	East-Northeast
Feb-20	-	-	-	274.26	66.67	207.59	268.77	61.12	207.65	-	-	-	-	-	-	-	-
Apr-20	240.85	31.84	209.01	274.26	65.34	208.92	268.77	59.73	209.04	219.86	9.62	210.24	242.70	32.75	209.95	0.6 - 3.0	North-Northeast
Jul-20	-	-	-	274.26	66.00	208.26	_	-	-	219.86	11.00	208.86	_	-	-	-	-
Nov-20	240.85	35.72	205.13	274.26	69.23	205.03	268.77	63.92	204.85	219.86	14.48	205.38	242.70	37.09	205.61	0.3 - 1.3	East-Northeast

Notes:

1. Depths to water were obtained from information provided in laboratory reports and field sampling sheets prepared by Eastern Analytical, Inc.

2. Inferred general groundwater flow rates and flow directions are approximate and are based on the limited hydrogeologic and groundwater elevation data available. Other interpretations are possible and actual conditions may vary from those indicated. Note that groundwater elevations, directions, and rates may change due to seasonal or other variations in temperature, precipitation, runoff, or other factors.

3. Approximate groundwater flow rates were calculated using an assumed saturated hydraulic conductivity of 100 to 500 feet per day, and an assumed porosity of 39%. Assumptions are consistent with values typical of medium-grained, clean sand. The calculated groundwater flow rate is equivalent to the average interstitial velocity or the seepage velocity.

FIGURES







ATTACHMENT A

LIMITATIONS

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ATTACHMENT A LIMITATIONS

- 1. The conclusions and recommendations described in this report are based in part on the data obtained from a limited number of groundwater samples from widely-spaced monitoring locations. The monitoring locations indicate conditions only at the specific locations and times, and only to the depths sampled. They do not necessarily reflect variations that may exist between such locations, and the nature and extent of variations between these monitoring locations may not become evident until further study or remediation is initiated. The validity of the conclusions is based in part on assumptions Sanborn Head has made about conditions at the site. If conditions different from those described become evident, it will be necessary to re-evaluate the conclusions of this report.
- 2. Water level measurements were made in the monitoring well locations at times and under conditions stated within the report. Fluctuations in the levels of the groundwater may occur due to variations in precipitation and other factors not evident at the time measurements were made.
- 3. Quantitative laboratory analyses were performed as noted within the report. Additional analytes not searched for during the current study may be present in groundwater at the site. Sanborn Head has relied upon the data provided by the analytical laboratory and did not conduct an independent evaluation of the reliability of these data. Additionally, variations in the types and concentrations of analytes and variations in their distributions within the groundwater may occur due to the passage of time, seasonal water table fluctuations, recharge events, and other factors.
- 4. The conclusions and recommendations contained in this report are based in part upon various types of chemical data as well as historical and hydrogeologic information developed during previous studies. While Sanborn Head has reviewed those data and information as stated in this report, any of Sanborn Head's interpretations, conclusions, and recommendations that have relied on that information will be contingent on its validity. Should additional chemical data, historical information, or hydrogeologic information become available in the future, such information should be reviewed by Sanborn Head and the interpretations, conclusions, and recommendations presented herein should be modified accordingly.
- 5. This report was prepared for the exclusive use of GSP Merrimack LLC (GSP) for specific application for 40 CFR Part 257.90 compliance for GSP's Merrimack Station Coal Ash landfill in Bow, New Hampshire, and was prepared in accordance with generally-accepted hydrogeologic practices. No warranty, express or implied, is made.

 $\label{eq:source} P:\ 2000s\ 2025.10\ Source\ Files\ 202101\ CCR\ Rpt\ Att\ A\ -\ Limitations\ Limitations. docx$

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ATTACHMENT B

ANALYTICAL LABORATORY REPORTS



February 2020





Eastern Analytical, Inc.

professional laboratory and drilling services

Allan Palmer Granite Shore Power 431 River Road Bow , NH 03304



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 206856 Client Identification: Merrimack Station - Coal Ash Date Received: 2/14/2020

Dear Mr. Palmer:

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

- Solid samples are reported on a dry weight basis, unless otherwise noted
- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R:%Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012) and New York (12072).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

uni Clashen

Lorraine Olashaw, Lab Director

28.20 Date



SAMPLE CONDITIONS PAGE

EAI ID#: 206856

Client: Granite Shore Power

Client Designation: Merrimack Station - Coal Ash

Temperat	ture upon receipt (°C): 1	C): 1.1 Received on ice or cold packs (Yes/No): Υ -6							
Lab ID	Sample ID	Date Received	Date Sampled	Sample % Dry Matrix Weight	Exceptions/Comments (other than thermal preservation)				
206856.01	SB-4	2/14/20	2/14/20	aqueous	Adheres to Sample Acceptance Policy				
206856.02	SB-6	2/14/20	2/14/20	aqueous	Adheres to Sample Acceptance Policy				
206856.03	Leachate	2/14/20	2/14/20	aqueous	Adheres to Sample Acceptance Policy				

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983

2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.

3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB

4) Hach Water Analysis Handbook, 4th edition, 1992

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Client: Granite Shore Power

Sample ID:	SB-4	SB-6	Leachate					
Lab Sample ID:	206856.01	206856.02	206856.03					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	2/14/20	2/14/20	2/14/20		Ana	lysis		
Date Received:	2/14/20	2/14/20	2/14/20	Units	Date	Time	Method	Analyst
Solids Dissolved	190	130	3300	mg/L	2/20/20	10:50	2540C-11	KJD
Sulfate	14	15	2300	mg/L	2/19/20	7:24	300.0	KD
Chloride	100	79	35	mg/L	2/19/20	9:42	300.0	KD
Alkalinity Total (CaCO3)	15	15	260	mg/L	2/21/20	10:25	2320B-11	ATA

Client: Granite Shore Power

Sample ID:	SB-4	SB-6	Leachate				
Lab Camala ID.	000050.04						
Lab Sample ID:	206856.01	206856.02	206856.03				
Matrix:	aqueous	aqueous	aqueous				
Date Sampled:	2/14/20	2/14/20	2/14/20	Analytical		Date of	
Date Received:	2/14/20	2/14/20	2/14/20	Matrix	Units	Analysis	Method Analyst
Boron	< 0.05	< 0.05	20	AqTot	mg/L	2/24/20	200.8 DS
Calcium	11	5.1	310	AqTot	mg/L	2/24/20	200.8 DS
Magnesium	2.7	1.3	180	AqTot	mg/L	2/24/20	200.8 DS
Potassium	2.0	1.2	77	AqTot	mg/L	2/24/20	200.8 DS
Sodium	64	54	380	AqTot	mg/L	2/24/20	200.8 DS

EAI ID#: 206856

Client: Granite Shore Power

Sample ID:	SB-4	SB-6	Leachate				
Lab Sample ID: Matrix: Date Sampled:	206856.01 aqueous 2/14/20	206856.02 aqueous 2/14/20	206856.03 aqueous 2/14/20	Units	Date of Analysis	Method	Analyst
Field pH	5.85	5.73	6.28	SU	2/14/20	SM4500	JL

Fax 224-4081	Phone 224-4081	Customer Granite Shore Power Address 431 River Road City Bow NH 03304	Client (Pro Mgr) Allan Palmer	nProjectID 3949 nYearMonth 2020.02	aClientID Merrimack Station - Coal Ach			preservative: HCL (HNQ) H2SO4 NAOH MEOH Na2S2O3 (CE)	Leachate	preservative: HCL (HND ₃ H ₂ SO ₄ NaOH MEOH Na ₂ S ₂ O ₃ (CE	SB-6 [63/14 [2030] GW]	preservative: HCL H_{NO} H ₂ SO ₄ NaOH MEOH Na ₂ S ₂ O ₃ (CE)	SB-4 O2/14/2020 GW)	aSampleID Date/Time aMatrix	CHAIN-OF-CUSTC
				Notes about project	Results Noorloch by: Dreferred date				Total Boron, Calcium, Magnesium, Potassium, Sodium, Chlori Alkalinity, Field pH		Total Boron, Calcium, Magnesium, Potassium, Sodium, Chlorio Alkalinity, Field pH		Fotal Boron, Calcium, Magnesium, Potassium, Sodium, Chloric Alkalinity, Field pH	Parameters	DY RECORD easte
Relinquished by Date/		Samples Collected by: <u>JL/EA(</u>		- M HC □ NO FAX □ EDD	ReportingOptions				de, Sulfate, Total Dissolved Solids, Total		ie, Sulfate, Total Dissolved Solids, Total		de, Sulfate, Total Dissolved Solids, Total	S	rn analytical
Time Received by		15DC ALL	Tomporture 1, / OC	emai Quote#	DO#			7			\mathcal{H}		+	ample Notes # of containers	206856

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Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301

Phone: (603)228-0525 1-800-287-0525

Fax: (603)228-4591

April 2020





Eastern Analytical, Inc.

professional laboratory and drilling services

Allan Palmer Granite Shore Power 431 River Road Bow , NH 03304



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 209412 Client Identification: Merrimack Station - Coal Ash Date Received: 4/23/2020

Dear Mr. Palmer:

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

- Solid samples are reported on a dry weight basis, unless otherwise noted
- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R:%Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012) and New York (12072).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director

16.20 Date



SAMPLE CONDITIONS PAGE

EAI ID#: 209412

Client: Granite Shore Power

Client Designation: Merrimack Station - Coal Ash

Temperate Acceptable te	ure upon receipt (°C): { emperature range (°C): 0-6	: 5.5 Received on ice or cold packs (Yes/No): Υ									
Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)					
209412.01	SB-1	4/23/20	4/23/20	aqueous		Adheres to Sample Acceptance Policy					
209412.02	SB-4	4/23/20	4/23/20	aqueous		Adheres to Sample Acceptance Policy					
209412.03	SB-6	4/23/20	4/23/20	aqueous		Adheres to Sample Acceptance Policy					
209412.04	SB-13	4/23/20	4/23/20	aqueous		Adheres to Sample Acceptance Policy					
209412.05	SB-14	4/23/20	4/23/20	aqueous		Adheres to Sample Acceptance Policy					

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983

2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.

3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB

4) Hach Water Analysis Handbook, 4th edition, 1992

Eastern Analytical, Inc.

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LABORATORY REPORT

Client: Granite Shore Power

Sample ID: SB-1 SB-4 SB-6 SB-13 Lab Sample ID: 209412.01 209412.02 209412.03 209412.04 Matrix: aqueous aqueous aqueous aqueous aqueous Date Sampled: 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 Analysis Date Received: 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 12:48 2540C Solids Dissolved 150 260 270 400 mg/L 04/29/20 12:48 2540C Fluoride < 0.1 < 0.1 < 0.1 mg/L 04/28/20 6:12 300. Sulfate 11 11 8.1 6.5 mg/L 04/28/20 6:12 300. Chloride 53 140 160 230 mg/L 04/28/20 13:34 4500CL Alkalinity Total (CaCO3) 30 12 8.2 5.8 mg/L 04/28/20 8:38 2320B
Lab Sample ID: 209412.01 209412.02 209412.03 209412.04 Matrix: aqueous aqueous aqueous aqueous aqueous Date Sampled: 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 Matrix: Date Date Iysis Date Sampled: 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 Units Date Time Method Solids Dissolved 150 260 270 400 mg/L 04/29/20 12:48 2540C Fluoride < 0.1
Matrix: aqueous aqueous aqueous aqueous aqueous aqueous Date Sampled: 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 Analysis Date Received: 4/23/20 4/23/20 4/23/20 4/23/20 Units Date Time Method Solids Dissolved 150 260 270 400 mg/L 04/29/20 12:48 2540C Fluoride < 0.1
Date Sampled: 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 4/23/20 Analysis Date Received: 4/23/20 4/23/20 4/23/20 4/23/20 Units Date Time Method Solids Dissolved 150 260 270 400 mg/L 04/29/20 12:48 2540C Fluoride < 0.1 < 0.1 < 0.1 mg/L 04/28/20 6:12 300. Sulfate 11 11 8.1 6.5 mg/L 04/28/20 6:12 300. Chloride 53 140 160 230 mg/L 04/28/20 8:38 2320B
Date Received: 4/23/20 4/23/20 4/23/20 4/23/20 Units Date Time Method Solids Dissolved 150 260 270 400 mg/L 04/29/20 12:48 2540C Fluoride < 0.1
Solids Dissolved 150 260 270 400 mg/L 04/29/20 12:48 2540C Fluoride < 0.1
Fluoride< 0.1< 0.1< 0.1mg/L04/28/206:12300.Sulfate11118.16.5mg/L04/28/206:12300.Chloride53140160230mg/L04/28/2013:344500CLAlkalinity Total (CaCO3)30128.25.8mg/L04/28/208:382320B
Sulfate11118.16.5mg/L04/28/206:12300.Chloride53140160230mg/L04/28/2013:344500CLAlkalinity Total (CaCO3)30128.25.8mg/L04/28/208:382320B
Chloride 53 140 160 230 mg/L 04/28/20 13:34 4500CL Alkalinity Total (CaCO3) 30 12 8.2 5.8 mg/L 04/28/20 8:38 2320B
Alkalinity Total (CaCO3) 30 12 8 2 5 8 mg/L 04/28/20 8:38 2320B

Sample ID:	SB-14
Lab Sample ID:	209412.05
Matrix:	aqueous
Date Sampled:	4/23/20
Date Received:	4/23/20
Solids Dissolved	52
Fluoride	< 0.1
Sulfate	5.5
Chloride	9.2
Alkalinity Total (CaCO3)	13

Ana	alysis		
Date	Time	Method A	nalyst
04/29/20	12:48	2540C-11	KJD
04/28/20	7:46	300.0	ATA
04/28/20	7:46	300.0	ATA
04/28/20	13:53	4500CLE-11	ATA
04/28/20	8:38	2320B-11	ATA
	Ana Date 04/29/20 04/28/20 04/28/20 04/28/20 04/28/20	Analysis Date Time 04/29/20 12:48 04/28/20 7:46 04/28/20 7:46 04/28/20 13:53 04/28/20 8:38	Analysis Date Time Method Andress 04/29/20 12:48 2540C-11 04/28/20 7:46 300.0 04/28/20 7:46 300.0 04/28/20 13:53 4500CLE-11 04/28/20 8:38 2320B-11

EAI ID#: 209412

Client: Granite Shore Power

Client Designation: Merrimack Station - Coal Ash

Sample ID:	SB-1	SB-4	SB-6	SB-13					
Lab Sample ID:	209412.01	209412.02	209412.03	209412.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	4/23/20	4/23/20	4/23/20	4/23/20	Analytical		Date of		
Date Received:	4/23/20	4/23/20	4/23/20	4/23/20	Matrix	Units	Analysis	Method	Analyst
Boron	0.070	0.055	< 0.05	< 0.05	AqTot	mg/L	4/27/20	200.8	HEH
Calcium	14	13	12	14	AqTot	mg/L	4/27/20	200.8	HEH
Magnesium	3.0	3.2	2.8	3.0	AqTot	mg/L	4/27/20	200.8	HEH
Potassium	1.7	2.3	1.9	2.1	AqTot	mg/L	4/27/20	200.8	HEH
Sodium	34	83	92	140	AqTot	mg/L	4/27/20	200.8	HEH

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Sample ID:	SB-14

Lab Sample ID:	209412.05					
Matrix:	aqueous					
Date Sampled:	4/23/20	Analytical		Date of		
Date Received:	4/23/20	Matrix	Units	Analysis	Method	Analyst
Boron	< 0.05	AqTot	mg/L	4/27/20	200.8	HEH
Calcium	5.5	AqTot	mg/L	4/27/20	200.8	HEH
Magnesium	1.4	AqTot	mg/L	4/27/20	200.8	HEH
Potassium	0.76	AqTot	mg/L	4/27/20	200.8	HEH
Sodium	6.8	AqTot	mg/L	4/27/20	200.8	HEH

.

EAI ID#: 209412

Client: Granite Shore Power

Client Designation: Merrimack Station - Coal Ash

Sample ID:	SB-1	SB-4	SB-6	SB-13			
Lab Sample ID:	209412.01	209412.02	209412.03	209412.04			
Matrix:	aqueous	aqueous	aqueous	aqueous			
Date Sampled:	4/23/20	4/23/20	4/23/20	4/23/20	Units	Date of Analysis	Method Analys
Field pH	5.94	5.72	5.56	5.47	SU	4/23/20	SM4500H TNC

Sample ID:	SB-14		
Lab Sample ID:	209412.05		
Matrix:	aqueous		
Date Sampled:	4/23/20	Date of Units Analysis Me	ethod Analyst
Field pH	5.63	SU 4/23/20 SN	√4500H JL

Eastern Analytical, Inc.

	(603)228-4591	5 1-800-287-0525 Fax:	H 03301 Phone: (603)228-0525	25 Chenell Dr. Concord, NI	Eastern Analytical, Inc.
me Received by	ed by Date/Ti	Relinquish			Fax 224-408
N Le: HO me Received by	ted by: <u> حالم اللہ اللہ</u> مر <u></u> 04،23،2020 ر d by Date/Ti	Samples Collec		Shore Power r Road NH 03304	Customer Granite : Address 431 Rive City Bow Phone 224-408
sk PO# <u>5990</u> nai Quote# Temperature <u>S.S^OC</u>	FAX EDD Di partial FAX EDD er	te ReportingOpti	Results Needed by: Preferred dat Notes about project	ck Station - Coal Ash nYearMonth 2020.04 Imer	aClientID Merrima nProjectID 3949 Client (Pro Mgr) Allan Pa
ų	sid pH, Total	ı, Sodium, Flouride, Chloride, Sulfate, Fi	Total Boron, Calcium, Magnesium, Potassium Dissolved Solids, Total Alkalinity	4,23,2020 GW	SB-14
				A NAOH MEOH Na2S2O3	preservative: HCL HNO3 H ₂ SC
4	sld pH, Total	ı, Sodium, Flouride, Chloride, Sulfate, Fie	Total Boron, Calcium, Magnesium, Potassium Dissolved Solids, Total Alkalinity	12:15 GW	SB-13
4	aio pri, i otai	r, soqiuiri, Flouride, Chiloride, sulrate, Fi	r otar Boron, Carcium, Magnesium, Potassium Dissolved Solids, Total Alkalinity	1723, 2020 GW	SB-6
	51 Teto			A NAOH MEOH Na2S203 (CE)	preservative: HCL HND ₃ H ₂ SC
4	sid pH, Total	ı, Sodium, Flouride, Chloride, Sulfate, Fie	Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids, Total Alkalinity	10,59 GW	SB-4 0°
				A NAOH MEOH Na2S2O3	preservative: HCL HNO2 H2SC
er.	sid pH, Total	ı, Sodium, Flouride, Chloride, Sulfate, Fic	Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids, Total Alkalinity	5:05 GW	SB-1 04
nple Notes # of containers	Sar		Parameters	ate/Time aMatrix	aSampleID D
209412 5	al services	eastern analytic professional laboratory	DY RECORD	OF-CUSTO	P. 1 oF1 CHAIN-

July 2020





Eastern Analytical, Inc.

professional laboratory and drilling services

Allan Palmer Granite Shore Power 431 River Road Bow , NH 03304



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 212567 Client Identification: Merrimack Station - Coal Ash LF Date Received: 7/8/2020

Dear Mr. Palmer:

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

- Solid samples are reported on a dry weight basis, unless otherwise noted
- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R:%Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012) and New York (12072).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director

7 · 21 · 20 Date



SAMPLE CONDITIONS PAGE

EAI ID#: 212567

Client: Granite Shore Power

Client Designation: Merrimack Station - Coal Ash LF

Temperat Acceptable	ture upon receipt (°C): temperature range (°C): 0-6	3.4		Received	on ice or cold packs (Yes/No): Υ
Lab ID	Sample ID	Date Received	Date Sampled	Sample % Dry Matrix Weight	Exceptions/Comments (other than thermal preservation)
212567.01	SB-4	7/8/20	7/8/20	aqueous	Adheres to Sample Acceptance Policy
212567.02	SB-13	7/8/20	7/8/20	aqueous	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983

2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.

3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB

4) Hach Water Analysis Handbook, 4th edition, 1992

Eastern Analytical, Inc.

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LABORATORY REPORT

EAI ID#: 212567

Client: Granite Shore Power

Sample ID:	SB-4	SB-13					
Lab Sample ID:	212567.01	212567.02					
Matrix:	aqueous	aqueous					
Date Sampled:	7/8/20	7/8/20		Ana	alysis		
Date Received:	7/8/20	7/8/20	Units	Date	Time	Method	Analyst
Solids Dissolved	240	370	mg/L	7/14/20	16:35	2540C-11	KJD
Sulfate	14	6.9	mg/L	7/13/20	17:54	300.0	ATA
Chloride	99	210	mg/L	7/09/20	8:24	300.0	ATA
Alkalinity Total (CaCO3)	15	7.8	mg/L	7/09/20	10:30	2320B-11	ATA

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LABORATORY REPORT

EAI ID#: 212567

Client: Granite Shore Power

Sample ID:	SB-4	SB-13					
Lab Sample ID:	212567.01	212567.02					
Matrix:	aqueous	aqueous					
Date Sampled:	7/8/20	7/8/20	Analytical		Date of		
Date Received:	7/8/20	7/8/20	Matrix	Units	Analysis	Method Analy	yst
Boron	0.057	< 0.05	AqTot	mg/L	7/9/20	200.8 D	S
Calcium	11	14	AqTot	mg/L	7/9/20	200.8 D)S
Magnesium	2.6	2.9	AqTot	mg/L	7/9/20	200.8 D)S
Potassium	2.1	2.1	AqTot	mg/L	7/9/20	200.8 D)S
Sodium	66	130	AqTot	mg/L	7/9/20	200.8 D)S

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LABORATORY REPORT

EAI ID#: 212567

Client: Granite Shore Power

Sample ID:	SB-4	SB-13				
Lab Sample ID: Matrix: Date Sampled:	212567.01 aqueous 7/8/20	212567.02 aqueous 7/8/20	Units	Date of Analysis	Method	Analyst
Field pH	5.59	5.41	SU	7/8/20	SM4500	TNC

Fax	aClientID Merrimack Station - Coal Ash 1/ Г nProjectID 3949 aSlient (Pro Mgr) Allan Palmer Client (Pro Mgr) Allan Palmer Customer Granite Shore Power Address 431 River Road City Bow NH 03304 Phone 230-7997	SB-13 O7 (08/2020 GW So 1150 GW So preservative: HCL H(Ng, H2SO4 NAOH MEOH NA2S203 (CF)	SB-4 $07/02/2020$ GW To 10/2 10 So preservative: HCL HNO, H ₂ SO ₄ NaOH MEOH Na ₂ S ₂ O ₃ RE	aSampleID Date/Time aMatrix	CHAIN-OF-CUSTO
	Results Needed by: Preferred date Notes about project	tal Boron, Calcium, Magnesium, Potassium, Sodium, Chloride, lids, Total Alkalinity	tal Boron, Calcium, Magnesium, Potassium, Sodium, Chloride, lids, Total Alkalinity	Parameters	DY RECORD eastern profession
Relinquished by Date/Tin	ReportingOptions ⊠ HC NO FAX □ Fax □ EDD Dis Ice: Y □ Ice: Y □ Samples Collected by: EAT FS- TO Ice: 01/08/2020 Relinquished by Date/Tin	Sulfate, Field pH, Total Dissolved	Sulfate, Field pH, Total Dissolved	Sam	n analytical nal laboratory services
ne Received by	Nai Quote# 1335 ne Received by	4	4	ple Notes # of containers	212567 5

Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301

Phone: (603)228-0525 1-800-287-0525

Fax: (603)228-4591

November 2020





Allan Palmer Granite Shore Power 431 River Road Bow , NH 03304



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 218733 Client Identification: Merrimack Station - Coal Ash Date Received: 11/12/2020

Dear Mr. Palmer:

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R:%Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012) and New York (12072).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

aranie Olaslann

Lorraine Olashaw, Lab Director

Date



Client: Granite Shore Power

Client Designation: Merrimack Station - Coal Ash

Temperat Acceptable t	perature upon receipt (°C): 3.1 Reconnected Reconnecte			Received o	eived on ice or cold packs (Yes/No): Υ		
Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)	
218733.01	SB-1	11/12/20	11/12/20 14:22	aqueous		Adheres to Sample Acceptance Policy	
218733.02	SB-4	11/12/20	11/12/20 10:38	aqueous		Adheres to Sample Acceptance Policy	
218733.03	SB-6	11/12/20	11/12/20 12:23	aqueous		Adheres to Sample Acceptance Policy	
218733.04	SB-13	11/12/20	11/12/20 11:22	aqueous		Adheres to Sample Acceptance Policy	
218733.05	SB-14	11/12/20	11/12/20 12:41	aqueous		Adheres to Sample Acceptance Policy	

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983

2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.

3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB

4) Hach Water Analysis Handbook, 4th edition, 1992

Eastern Analytical, Inc.

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Client: Granite Shore Power

Sample ID: SB-1 SB-1 SB-4 SB-6 SB-13 Lab Sample ID: 218733.01 218733.02 218733.03 218733.04 Matrix: aqueous										
Lab Sample ID: 218733.01 218733.02 218733.03 218733.04 Matrix: aqueous aqu	Sample ID:	SB-1	SB-4	SB-6	SB-13					
Matrix: aqueous aqueous <t< td=""><td>Lab Sample ID:</td><td>218733.01</td><td>218733.02</td><td>218733.03</td><td>218733.04</td><td></td><td></td><td></td><td></td><td></td></t<>	Lab Sample ID:	218733.01	218733.02	218733.03	218733.04					
Date Sampled: 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 11/12/20 In/12/20	Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Received: 11/12/20 11/12/20 11/12/20 11/12/20 Units Date Time Method Analyst Solids Dissolved 150 260 330 330 mg/L 11/18/20 16:50 2540C-11 KJD Fluoride < 0.1	Date Sampled:	11/12/20	11/12/20	11/12/20	11/12/20		A	nalysis		
Solids Dissolved150260330330mg/L11/18/2016:502540C-11KJDFluoride< 0.1	Date Received:	11/12/20	11/12/20	11/12/20	11/12/20	Units	Date	Time	Method A	nalyst
Fluoride < 0.1 < 0.1 < 0.1 mg/L 11/17/20 14:41 300.0 ATA Sulfate 13 18 9.6 8 mg/L 11/17/20 14:41 300.0 ATA Chloride 64 120 180 180 mg/L 11/17/20 14:41 300.0 ATA Alkalinity Total (CaCO3) 11 12 9.3 9 mg/L 11/13/20 13:31 2320B-11 RB	Solids Dissolved	150	260	330	330	mg/L	11/18/20	16:50	2540C-11	KJD
Sulfate13189.68mg/L11/17/2014:41300.0ATAChloride64120180180mg/L11/17/2014:41300.0ATAAlkalinity Total (CaCO3)11129.39mg/L11/13/2013:312320B-11RB	Fluoride	< 0.1	< 0.1	< 0.1	< 0.1	mg/L	11/17/20	14:41	300.0	ATA
Chloride 64 120 180 mg/L 11/17/20 14:41 300.0 ATA Alkalinity Total (CaCO3) 11 12 9.3 9 mg/L 11/13/20 13:31 2320B-11 RB	Sulfate	13	18	9.6	8	mg/L	11/17/20	14:41	300.0	ATA
Alkalinity Total (CaCO3) 11 12 9.3 9 mg/L 11/13/20 13:31 2320B-11 RB	Chloride	64	120	180	180	mg/L	11/17/20	14:41	300.0	ATA
	Alkalinity Total (CaCO3)	11	12	9.3	9	mg/L	11/13/20	13:31	2320B-11	RB

Sample ID:	SB-14
Lab Sample ID:	218733.05
Matrix:	aqueous
Date Sampled:	11/12/20
Date Received:	11/12/20
Solids Dissolved	68
Fluoride	< 0.1
Sulfate	15
Chloride	4.7
Alkalinity Total (CaCO3)	14

Analysis							
Date	Time	Method A	nalyst				
11/18/20	16:50	2540C-11	KJD				
11/17/20	15:59	300.0	ATA				
11/17/20	16:44	300.0	ATA				
11/17/20	16:44	300.0	ATA				
11/13/20	13:31	2320B-11	RB				
	Ana Date 11/18/20 11/17/20 11/17/20 11/17/20 11/13/20	Analysis Date Time 11/18/20 16:50 11/17/20 15:59 11/17/20 16:44 11/17/20 16:44 11/13/20 13:31	AnalysisDateTimeMethod A11/18/2016:502540C-1111/17/2015:59300.011/17/2016:44300.011/17/2016:44300.011/13/2013:312320B-11				

E.

EAI ID#: 218733

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Client: Granite Shore Power

Sample ID:	SB-1	SB-4	SB-6	SB-13					
Lab Sample ID:	218733.01	218733.02	218733.03	218733.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	11/12/20	11/12/20	11/12/20	11/12/20	Analytical		Date of		
Date Received:	11/12/20	11/12/20	11/12/20	11/12/20	Matrix	Units	Analysis	Method	Analyst
Boron	< 0.05	0.060	< 0.05	< 0.05	AqTot	mg/L	11/13/20	200.8	DS
Calcium	10	9.6	12	11	AqTot	mg/L	11/13/20	200.8	DS
Magnesium	2.7	2.5	3.1	2.6	AqTot	mg/L	11/13/20	200.8	DS
Potassium	1.6	2.2	2.3	2.2	AqTot	mg/L	11/13/20	200.8	DS
Sodium	35	84	110	120	AqTot	mg/L	11/13/20	200.8	DS

Sample ID:	SB-14
Leb Comple ID:	240722.05
Lab Sample ID:	218733.05
Matrix:	aqueous
Date Sampled:	11/12/20
Date Received:	11/12/20
Boron	< 0.05
Calcium	4.0
Magnesium	1.1
Potassium	0.84
Sodium	12

Analytical Matrix	Units	Date of Analysis	Method	Analyst
AqTot	mg/L	11/13/20	200.8	DS
AqTot	mg/L	11/13/20	200.8	DS
AqTot	mg/L	11/13/20	200.8	DS
AqTot	mg/L	11/13/20	200.8	DS
AqTot	mg/L	11/13/20	200.8	DS

EAI ID#: 218733

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Client: Granite Shore Power

Sample ID:	SB-1	SB-4	SB-6	SB-13				
Lab Sample ID:	218733.01	218733.02	218733.03	218733.04				
Matrix:	aqueous	aqueous	aqueous	aqueous				
Date Sampled:	11/12/20	11/12/20	11/12/20	11/12/20	Units	Date of Analysis	Method	Analyst
Field pH	5.36	5.18	5.37	4.96	SU	11/12/20	SM4500	H TNC

Sample ID:	SB-14	
Lab Sample ID:	218733.05	
	210733.00	
Matrix:	aqueous	
Date Sampled:	11/12/20	Date of
		Units Analysis Method Analyst
Field pH	5.10	SU 11/12/20 SM4500H JL

ASampleID SB-1 SB-1 SB-4 SB-4 SB-6 SB-6 SB-6 SB-11	N-OF-C Date/Time IIIII2/2020 IIII2/2020 IIII2/2020 IIII2/2020 IIII2/2020 IIII2/2020 III2/2020	aMatrix aMatrix GW GW GW GW GW GW GW GW GW GW	Parameters Parameters Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids, Total Alkalinity Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids, Total Alkalinity Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids. Total Alkalinity	eastern analytical professional laboratory services Sadium, Flouride, Chloride, Sulfate, Field pH, Total Sodium, Flouride, Chloride, Sulfate, Field pH, Total Sodium, Flouride, Chloride, Sulfate, Field pH, Total Sodium, Flouride, Chloride, Sulfate, Field pH, Total	ample Notes # of conta	$\frac{4}{4}$
SB-6 preservative: HCL (ING	н2504 NaOH MEOH		Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids, Total Alkalinity	Sodium, Flouride, Chloride, Sulfate, Field pH, Total		4
SB-13 preservative: HCL	«(12) ЭСЭС И:ЭЭЭ)) H2SO4 NaOH MEOH		Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids, Total Alkalinity	Sodium, Flouride, Chloride, Sulfate, Field pH, Total		¥
SB-14 preservative: HCL (HN)	и(12) 2020 12:41 12:41 12:41	GW	Total Boron, Calcium, Magnesium, Potassium, Dissolved Solids, Total Alkalinity	Sodium, Flouride, Chloride, Sulfate, Field pH, Total		4
aClientID Me nProjectID 39 Client (Pro Mgr) All Customer Gr Address 43 City Bo	errimack Station - Co 49 nYearMor 49 nYearMor 1 River Power 1 River Road 0 000 NH	al Ash 1th 2020.11	Results Needed by: Preferred date Notes about project	ReportingOptions HC INO FAX IEDD D Fax No partial FAX EDD e Ice: YE NI Samples Collected by: TL, TC /E Sellinguished by Date/Ti	PO# Disk PO# emai Quote# Temperature 3-1 SAI Shim 1540 Shim	

Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301	Fax	Phone 230-7997
Phone: (603)228-0525		
1-800-287-0525	1	
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