



JOSEPH DORSETT, JR.; PRESIDENT
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HANSON, MA 02341
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October 30, 2018

Ms. Shauna Little
USEPA New England
5 Post Office Square, Suite 100
Mail Code OEP06-1
Boston, MA 02109-3912

Re: Revised NPDES Remediation General Permit Notice of Intent
333 Winter Street
Weston, Massachusetts
E&E File ECLP-1017

Ms. Little:

Environmental & Energy Solutions, Inc. (**E&E**) is pleased to present this Revised NPDES Remediation General Permit Notice of Intent on behalf of The Rivers School, the owners of 333 Winter Street, Weston, Massachusetts (the site). This NOI has been prepared pursuant to the NPDES RGP under Federal Register, Vol. 82, No. 12, dated January 19, 2017, and pertinent guidance documents. Revisions have been made in accordance with an October 29, 2018 email from USEPA.

Attached hereto find the following documentation:

- ° Notice of Intent
- ° Site Figures
- ° Laboratory Certificates of Analyses for effluent (401-MW) and receiving water (403-SW)
- ° USGS StreamStats Page
- ° WQBEL Excel Workbook Sheets
- ° Process Flow Diagram
- ° Endangered Species Documentation
- ° National Historic Preservation Act Documentation

Should you have any questions or concerns, please feel free to contact the firm.

Sincerely,

Environmental & Energy Solutions, Inc.

Joseph F. Dorsett, Jr.
President

II. Suggested Format for the Remediation General Permit Notice of Intent (NOI)

A. General site information:

1. Name of site: The Rivers School	Site address: 333 Street: Winter Street		
2. Site owner The Rivers School Owner is (check one): <input type="checkbox"/> Federal <input type="checkbox"/> State/Tribal <input checked="" type="checkbox"/> Private <input type="checkbox"/> Other; if so, specify:	City: Weston	State: MA	Zip: 02493
3. Site operator, if different than owner	Contact Person: David Ehrhardt Telephone: 508-641-3422 Email: david@dariodesigns.com Mailing address: 333 Street: Winter Street City: Weston State: MA Zip: 02493		
4. NPDES permit number assigned by EPA: NPDES permit is (check all that apply): <input checked="" type="checkbox"/> RGP <input type="checkbox"/> DGP <input type="checkbox"/> CGP <input type="checkbox"/> MSGP <input type="checkbox"/> Individual NPDES permit <input type="checkbox"/> Other; if so, specify:	5. Other regulatory program(s) that apply to the site (check all that apply): <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> MA Chapter 21e; list RTN(s): 03-04667 <input type="checkbox"/> NH Groundwater Management Permit or Groundwater Release Detection Permit: </div> <div> <input type="checkbox"/> CERCLA <input type="checkbox"/> UIC Program <input type="checkbox"/> POTW Pretreatment <input type="checkbox"/> CWA Section 404 </div> </div>		

B. Receiving water information:

1. Name of receiving water(s): Nonesuch Pond	Waterbody identification of receiving water(s): MA72085	Classification of receiving water(s): Class B
Receiving water is (check any that apply): <input type="checkbox"/> Outstanding Resource Water <input type="checkbox"/> Ocean Sanctuary <input type="checkbox"/> territorial sea <input type="checkbox"/> Wild and Scenic River		
2. Has the operator attached a location map in accordance with the instructions in B, above? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No Are sensitive receptors present near the site? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No If yes, specify: Surface Waters		
3. Indicate if the receiving water(s) is listed in the State's Integrated List of Waters (i.e., CWA Section 303(d)). Include which designated uses are impaired, and any pollutants indicated. Also, indicate if a final TMDL is available for any of the indicated pollutants. For more information, contact the appropriate State as noted in Part 4.6 of the RGP.		
4. Indicate the seven day-ten-year low flow (7Q10) of the receiving water determined in accordance with the instructions in Appendix V for sites located in Massachusetts and Appendix VI for sites located in New Hampshire.		<0.1 cfs
5. Indicate the requested dilution factor for the calculation of water quality-based effluent limitations (WQBELs) determined in accordance with the instructions in Appendix V for sites in Massachusetts and Appendix VI for sites in New Hampshire.		0
6. Has the operator received confirmation from the appropriate State for the 7Q10 and dilution factor indicated? (check one): <input type="radio"/> Yes <input checked="" type="radio"/> No If yes, indicate date confirmation received:		
7. Has the operator attached a summary of receiving water sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No		

C. Source water information:

1. Source water(s) is (check any that apply):			
<input checked="" type="checkbox"/> Contaminated groundwater Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/> Contaminated surface water Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): <input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/> The receiving water	<input type="checkbox"/> Potable water; if so, indicate municipality or origin: <input type="checkbox"/> Other; if so, specify:
		<input type="checkbox"/> A surface water other than the receiving water; if so, indicate waterbody:	

2. Source water contaminants: #2 Fuel oil (TPH)	
a. For source waters that are contaminated groundwater or contaminated surface water, indicate are any contaminants present that are not included in the RGP? (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, indicate the contaminant(s) and the maximum concentration present in accordance with the instructions in Appendix VIII.	b. For a source water that is a surface water other than the receiving water, potable water or other, indicate any contaminants present at the maximum concentration in accordance with the instructions in Appendix VIII? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Has the source water been previously chlorinated or otherwise contains residual chlorine? (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

D. Discharge information

1.The discharge(s) is a(n) (check any that apply): <input type="checkbox"/> Existing discharge <input type="checkbox"/> New discharge <input checked="" type="checkbox"/> New source	
Outfall(s): Discharge will occur through temporary hose running atop the ground from treatment works to surface water. Hose will connect to floating diffusor/ manifold to dissipate energy and prevent scouring of stream bed.	Outfall location(s): (Latitude, Longitude) 42.3243, -71.3247
<p>Discharges enter the receiving water(s) via (check any that apply): <input checked="" type="checkbox"/> Direct discharge to the receiving water <input type="checkbox"/> Indirect discharge, if so, specify:</p> <p><input type="checkbox"/> A private storm sewer system <input type="checkbox"/> A municipal storm sewer system</p> <p>If the discharge enters the receiving water via a private or municipal storm sewer system:</p> <p>Has notification been provided to the owner of this system? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Has the operator has received permission from the owner to use such system for discharges? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No, if so, explain, with an estimated timeframe for obtaining permission:</p> <p>Has the operator attached a summary of any additional requirements the owner of this system has specified? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	
Provide the expected start and end dates of discharge(s) (month/year): 11/05/18 - 12/14/18	
Indicate if the discharge is expected to occur over a duration of: <input checked="" type="checkbox"/> less than 12 months <input type="checkbox"/> 12 months or more <input type="checkbox"/> is an emergency discharge	
Has the operator attached a site plan in accordance with the instructions in D, above? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

2. Activity Category: (check all that apply)	3. Contamination Type Category: (check all that apply)	
<input type="checkbox"/> I – Petroleum-Related Site Remediation <input type="checkbox"/> II – Non-Petroleum-Related Site Remediation <input checked="" type="checkbox"/> III – Contaminated Site Dewatering <input type="checkbox"/> IV – Dewatering of Pipelines and Tanks <input type="checkbox"/> V – Aquifer Pump Testing <input type="checkbox"/> VI – Well Development/Rehabilitation <input type="checkbox"/> VII – Collection Structure Dewatering/Remediation <input type="checkbox"/> VIII – Dredge-Related Dewatering	<p>a. If Activity Category I or II: (check all that apply)</p> <p><input type="checkbox"/> A. Inorganics</p> <p><input type="checkbox"/> B. Non-Halogenated Volatile Organic Compounds</p> <p><input type="checkbox"/> C. Halogenated Volatile Organic Compounds</p> <p><input type="checkbox"/> D. Non-Halogenated Semi-Volatile Organic Compounds</p> <p><input type="checkbox"/> E. Halogenated Semi-Volatile Organic Compounds</p> <p><input type="checkbox"/> F. Fuels Parameters</p>	
	<p>b. If Activity Category III, IV, V, VI, VII or VIII: (check either G or H)</p>	
	<table border="1"> <tr> <td data-bbox="970 800 1419 873"><input checked="" type="checkbox"/> G. Sites with Known Contamination</td><td data-bbox="1419 800 2003 873"><input type="checkbox"/> H. Sites with Unknown Contamination</td></tr> </table>	<input checked="" type="checkbox"/> G. Sites with Known Contamination
<input checked="" type="checkbox"/> G. Sites with Known Contamination	<input type="checkbox"/> H. Sites with Unknown Contamination	
<table border="1"> <tr> <td data-bbox="970 873 1419 1409"> <p>c. If Category III-G, IV-G, V-G, VI-G, VII-G or VIII-G: (check all that apply)</p> <p><input checked="" type="checkbox"/> A. Inorganics</p> <p><input checked="" type="checkbox"/> B. Non-Halogenated Volatile Organic Compounds</p> <p><input type="checkbox"/> C. Halogenated Volatile Organic Compounds</p> <p><input checked="" type="checkbox"/> D. Non-Halogenated Semi-Volatile Organic Compounds</p> <p><input type="checkbox"/> E. Halogenated Semi-Volatile Organic Compounds</p> <p><input checked="" type="checkbox"/> F. Fuels Parameters</p> </td><td data-bbox="1419 873 2003 1409"> <p>d. If Category III-H, IV-H, V-H, VI-H, VII-H or VIII-H Contamination Type Categories A through F apply</p> </td></tr> </table>	<p>c. If Category III-G, IV-G, V-G, VI-G, VII-G or VIII-G: (check all that apply)</p> <p><input checked="" type="checkbox"/> A. Inorganics</p> <p><input checked="" type="checkbox"/> B. Non-Halogenated Volatile Organic Compounds</p> <p><input type="checkbox"/> C. Halogenated Volatile Organic Compounds</p> <p><input checked="" type="checkbox"/> D. Non-Halogenated Semi-Volatile Organic Compounds</p> <p><input type="checkbox"/> E. Halogenated Semi-Volatile Organic Compounds</p> <p><input checked="" type="checkbox"/> F. Fuels Parameters</p>	<p>d. If Category III-H, IV-H, V-H, VI-H, VII-H or VIII-H Contamination Type Categories A through F apply</p>
<p>c. If Category III-G, IV-G, V-G, VI-G, VII-G or VIII-G: (check all that apply)</p> <p><input checked="" type="checkbox"/> A. Inorganics</p> <p><input checked="" type="checkbox"/> B. Non-Halogenated Volatile Organic Compounds</p> <p><input type="checkbox"/> C. Halogenated Volatile Organic Compounds</p> <p><input checked="" type="checkbox"/> D. Non-Halogenated Semi-Volatile Organic Compounds</p> <p><input type="checkbox"/> E. Halogenated Semi-Volatile Organic Compounds</p> <p><input checked="" type="checkbox"/> F. Fuels Parameters</p>	<p>d. If Category III-H, IV-H, V-H, VI-H, VII-H or VIII-H Contamination Type Categories A through F apply</p>	

4. Influent and Effluent Characteristics

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
A. Inorganics									
Ammonia	✓		1	4500	100	<100	<100	Report mg/L	---
Chloride		✓	1	4500	5,000	39,000	39,000	Report µg/l	---
Total Residual Chlorine	✓		1	4500	10	<10	<10	0.2 mg/L	12
Total Suspended Solids		✓	1	2540	2	16	16	30 mg/L	---
Antimony		✓	1	200.7	5	28	28	206 µg/L	
Arsenic		✓	1	200.7	10	15	15	104 µg/L	10
Cadmium	✓		1	200.7	4	<4	<4	10.2 µg/L	
Chromium III	✓		1	calc	15	<15	<15	323 µg/L	
Chromium VI	✓		1	3500	10	<10	<10	323 µg/L	
Copper	✓		1	200.7	20	<20	<20	242 µg/L	
Iron		✓	1	200.7	50	1,360	1,360	5,000 µg/L	1,000
Lead		✓	1	200.7	5	23	23	160 µg/L	1.23
Mercury	✓		1	245.1	0.2	<0.2	<0.2	0.739 µg/L	
Nickel	✓		1	200.7	5	<5	<5	1,450 µg/L	
Selenium	✓		1	200.7	10	<10	<10	235.8 µg/L	
Silver		✓	1	200.7	5	42	42	35.1 µg/L	1.1
Zinc	✓		1	200.7	20	<20	<20	420 µg/L	
Cyanide	✓		1	4500	10	<10	<10	178 mg/L	
B. Non-Halogenated VOCs									
Total BTEX		✓						100 µg/L	---
Benzene		✓						5.0 µg/L	---
1,4 Dioxane	✓							200 µg/L	---
Acetone	✓							7.97 mg/L	---
Phenol	✓							1,080 µg/L	

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
C. Halogenated VOCs									
Carbon Tetrachloride	✓							4.4 µg/L	
1,2 Dichlorobenzene	✓							600 µg/L	---
1,3 Dichlorobenzene	✓							320 µg/L	---
1,4 Dichlorobenzene	✓							5.0 µg/L	---
Total dichlorobenzene	✓							763 µg/L in NH	---
1,1 Dichloroethane	✓							70 µg/L	---
1,2 Dichloroethane	✓							5.0 µg/L	---
1,1 Dichloroethylene	✓							3.2 µg/L	---
Ethylene Dibromide	✓							0.05 µg/L	---
Methylene Chloride	✓							4.6 µg/L	---
1,1,1 Trichloroethane	✓							200 µg/L	---
1,1,2 Trichloroethane	✓							5.0 µg/L	---
Trichloroethylene	✓							5.0 µg/L	---
Tetrachloroethylene	✓							5.0 µg/L	
cis-1,2 Dichloroethylene	✓							70 µg/L	---
Vinyl Chloride	✓							2.0 µg/L	---
D. Non-Halogenated SVOCs									
Total Phthalates	✓							190 µg/L	
Diethylhexyl phthalate	✓							101 µg/L	
Total Group I PAHs		✓						1.0 µg/L	---
Benzo(a)anthracene		✓						As Total PAHs	
Benzo(a)pyrene		✓							
Benzo(b)fluoranthene		✓							
Benzo(k)fluoranthene		✓							
Chrysene		✓							
Dibenzo(a,h)anthracene		✓							
Indeno(1,2,3-cd)pyrene		✓							

[illegible]

E. Treatment system information

<p>1. Indicate the type(s) of treatment that will be applied to effluent prior to discharge: (check all that apply)</p> <p> <input type="checkbox"/> Adsorption/Absorption <input type="checkbox"/> Advanced Oxidation Processes <input type="checkbox"/> Air Stripping <input checked="" type="checkbox"/> Granulated Activated Carbon (“GAC”)/Liquid Phase Carbon Adsorption <input type="checkbox"/> Ion Exchange <input type="checkbox"/> Precipitation/Coagulation/Flocculation <input checked="" type="checkbox"/> Separation/Filtration <input type="checkbox"/> Other; if so, specify: </p>	
<p>2. Provide a written description of all treatment system(s) or processes that will be applied to the effluent prior to discharge. Effluent will be pumped through a weir tank to allow sediment and solids to settle out, through (2) 1,000-micron bag filters to remove fine sediments, then through (2) 5,000-lb carbon units to remove petroleum. Effluent will run through duplicate components in parallel at start-up, then in series after achieving stasis.</p> <p>Identify each major treatment component (check any that apply):</p> <p> <input checked="" type="checkbox"/> Fractionation tanks <input type="checkbox"/> Equalization tank <input type="checkbox"/> Oil/water separator <input type="checkbox"/> Mechanical filter <input checked="" type="checkbox"/> Media filter <input type="checkbox"/> Chemical feed tank <input type="checkbox"/> Air stripping unit <input checked="" type="checkbox"/> Bag filter <input type="checkbox"/> Other; if so, specify: </p> <p>Indicate if either of the following will occur (check any that apply):</p> <p> <input type="checkbox"/> Chlorination <input type="checkbox"/> De-chlorination </p>	
<p>3. Provide the design flow capacity in gallons per minute (gpm) of the most limiting component. Indicate the most limiting component: ^{Pump}</p> <p>Is use of a flow meter feasible? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, if so, provide justification:</p>	<p>500 GPM</p>
<p>Provide the proposed maximum effluent flow in gpm.</p>	<p>500 GPM</p>
<p>Provide the average effluent flow in gpm.</p>	<p>250 GPM</p>
<p>If Activity Category IV applies, indicate the estimated total volume of water that will be discharged:</p>	
<p>4. Has the operator attached a schematic of flow in accordance with the instructions in E, above? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	

F. Chemical and additive information

<p>1. Indicate the type(s) of chemical or additive that will be applied to effluent prior to discharge or that may otherwise be present in the discharge(s): (check all that apply)</p> <p><input type="checkbox"/> Algaecides/biocides <input type="checkbox"/> Antifoams <input type="checkbox"/> Coagulants <input type="checkbox"/> Corrosion/scale inhibitors <input type="checkbox"/> Disinfectants <input type="checkbox"/> Flocculants <input type="checkbox"/> Neutralizing agents <input type="checkbox"/> Oxidants <input type="checkbox"/> Oxygen <input type="checkbox"/> scavengers <input type="checkbox"/> pH conditioners <input type="checkbox"/> Bioremedial agents, including microbes <input type="checkbox"/> Chlorine or chemicals containing chlorine <input type="checkbox"/> Other; if so, specify:</p>
<p>2. Provide the following information for each chemical/additive, using attachments, if necessary:</p> <p>a. Product name, chemical formula, and manufacturer of the chemical/additive; b. Purpose or use of the chemical/additive or remedial agent; c. Material Safety Data Sheet (MSDS) and Chemical Abstracts Service (CAS) Registry number for each chemical/additive; d. The frequency (hourly, daily, etc.), duration (hours, days), quantity (maximum and average), and method of application for the chemical/additive; e. Any material compatibility risks for storage and/or use including the control measures used to minimize such risks; and f. If available, the vendor's reported aquatic toxicity (NOAEL and/or LC50 in percent for aquatic organism(s)).</p>
<p>3. Has the operator attached an explanation which demonstrates that the addition of such chemicals/additives may be authorized under this general permit in accordance with the instructions in F, above? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No; if no, has the operator attached data that demonstrates each of the 126 priority pollutants in CWA Section 307(a) and 40 CFR Part 423.15(j)(1) are non-detect in discharges with the addition of the proposed chemical/additive? (check one): <input checked="" type="radio"/> Yes <input type="radio"/> No</p>

G. Endangered Species Act eligibility determination

<p>1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:</p> <p><input checked="" type="checkbox"/> FWS Criterion A: No endangered or threatened species or critical habitat are in proximity to the discharges or related activities or come in contact with the “action area”.</p> <p><input type="checkbox"/> FWS Criterion B: Formal or informal consultation with the FWS under section 7 of the ESA resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by FWS on a finding that the discharges and related activities are “not likely to adversely affect” listed species or critical habitat (informal consultation). Has the operator completed consultation with FWS? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No; if no, is consultation underway? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> FWS Criterion C: Using the best scientific and commercial data available, the effect of the discharges and related activities on listed species and critical habitat have been evaluated. Based on those evaluations, a determination is made by EPA, or by the operator and affirmed by EPA, that the discharges and related activities will have “no effect” on any federally threatened or endangered listed species or designated critical habitat under the jurisdiction of the FWS. This determination was made by: (check one) <input type="checkbox"/> the operator <input type="checkbox"/> EPA <input type="checkbox"/> Other; if so, specify:</p>
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- ☐ **NMFS Criterion:** A determination made by EPA is affirmed by the operator that the discharges and related activities will have “no effect” or are “not likely to adversely affect” any federally threatened or endangered listed species or critical habitat under the jurisdiction of NMFS and will not result in any take of listed species. Has the operator previously completed consultation with NMFS? (check one): ☐ Yes ☐ No

2. Has the operator attached supporting documentation of ESA eligibility in accordance with the instructions in Appendix I, and G, above? (check one): ☐ Yes ☐ No

Does the supporting documentation include any written concurrence or finding provided by the Services? (check one): ☐ Yes ☐ No; if yes, attach.

H. National Historic Preservation Act eligibility determination

1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:

- ☐ **Criterion A:** No historic properties are present. The discharges and discharge-related activities (e.g., BMPs) do not have the potential to cause effects on historic properties.
- ☒ **Criterion B:** Historic properties are present. Discharges and discharge related activities do not have the potential to cause effects on historic properties.
- ☐ **Criterion C:** Historic properties are present. The discharges and discharge-related activities have the potential to have an effect or will have an adverse effect on historic properties.

2. Has the operator attached supporting documentation of NHPA eligibility in accordance with the instructions in H, above? (check one): ☒ Yes ☐ No

Does the supporting documentation include any written agreement with the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (TPHO), or other tribal representative that outlines measures the operator will carry out to mitigate or prevent any adverse effects on historic properties? (check one): ☐ Yes ☒ No

I. Supplemental information

Describe any supplemental information being provided with the NOI. Include attachments if required or otherwise necessary.

Has the operator attached data, including any laboratory case narrative and chain of custody used to support the application? (check one): ☒ Yes ☐ No

Has the operator attached the certification requirement for the Best Management Practices Plan (BMPP)? (check one): ☐ Yes ☐ No

J. Certification requirement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

BMPP certification statement: **A BMPP meeting the requirements of this general permit will be implemented upon initiation of discharge.**

Notification provided to the appropriate State, including a copy of this NOI, if required.

Check one: Yes ☒ No ☐

Notification provided to the municipality in which the discharge is located, including a copy of this NOI, if requested.

Check one: Yes ☒ No ☐

Notification provided to the owner of a private or municipal storm sewer system, if such system is used for site discharges, including a copy of this NOI, if requested.

Check one: Yes ☐ No ☐ NA ☒

Permission obtained from the owner of a private or municipal storm sewer system, if such system is used for site discharges. If yes, attach additional conditions. If no, attach explanation and timeframe for obtaining permission.

Check one: Yes ☐ No ☐ NA ☒

Notification provided to the owner/operator of the area associated with activities covered by an additional discharge permit(s). Additional discharge permit is (check one): ☐ RGP ☐ DGP ☐ CGP ☐ MSGP ☐ Individual NPDES permit ☐ Other; if so, specify:

Check one: Yes ☐ No ☐ NA ☒

Signature:



10/29/18
Date:

Print Name and Title: **Joseph Dorsett, President**



Source: Google Maps

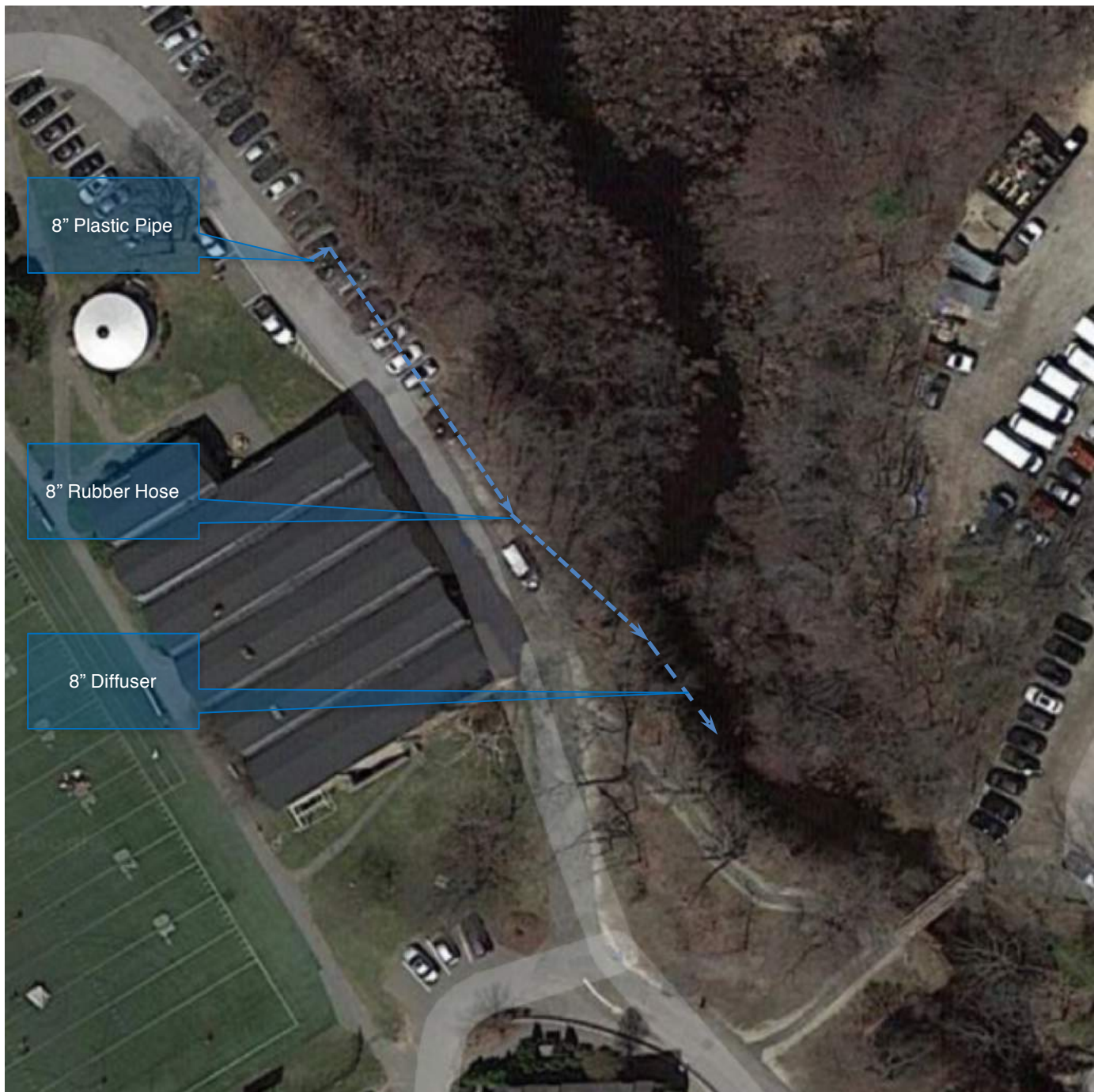


22 INDUSTRIAL BOULEVARD
HANSON, MA 02341
781/982-9929
WWW.ENVIRONMENTALANDENERGY.COM

FIGURE 1 – Site Map

333 Winter Street
Weston, Massachusetts

E&E File ECLP-1017



Source: Google Maps



22 INDUSTRIAL BOULEVARD
HANSON, MA 02341
781/982-9929
WWW.ENVIRONMENTALANDENERGY.COM

FIGURE 2 – Dewatering System Discharge Location

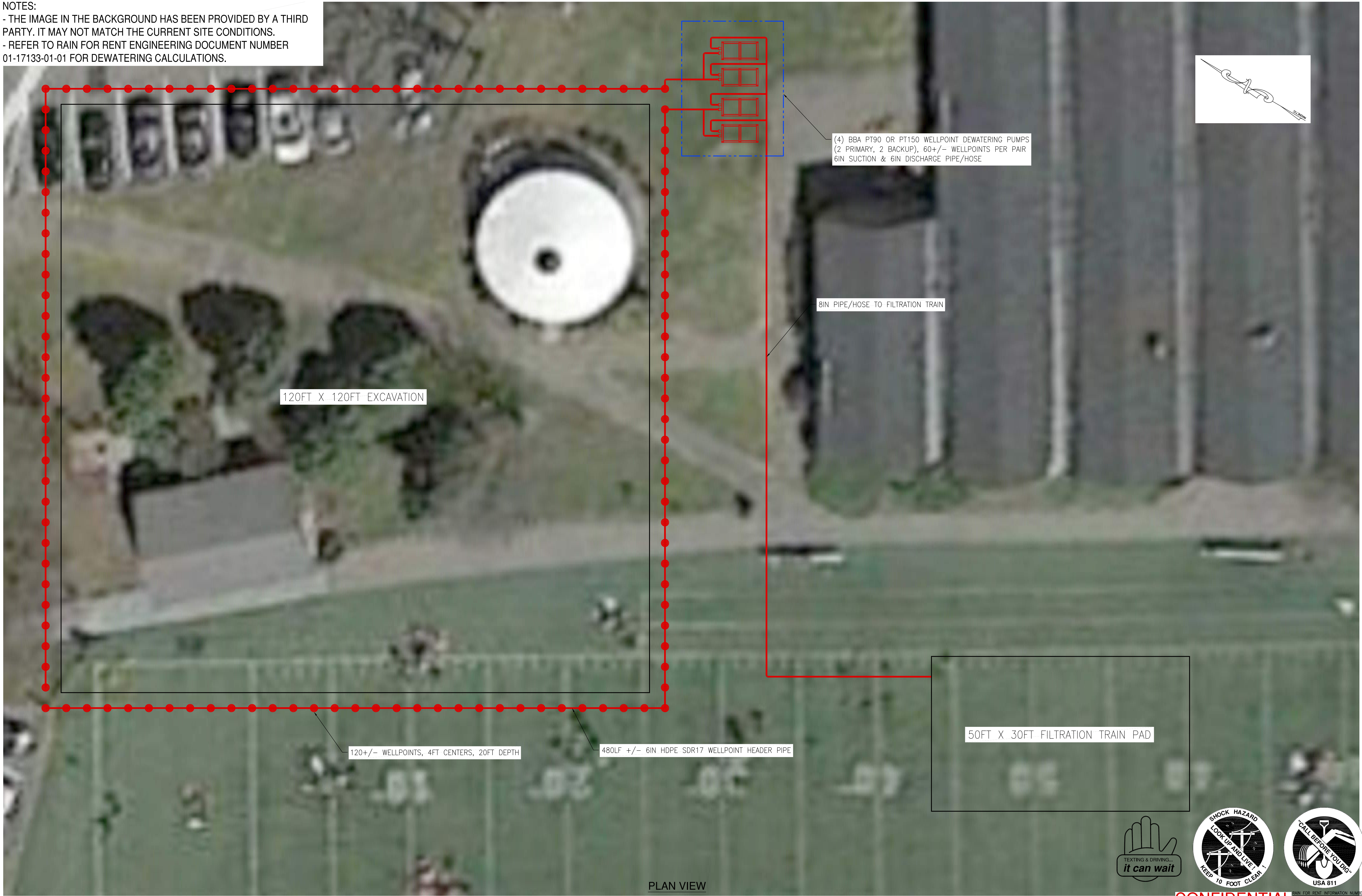
333 Winter Street
Weston, Massachusetts


E&E File ECLP-1017

REV.NO.	DESCRIPTION	PREVIOUS DWG	BY	DATE
1				

ITEM	QTY.	REF.	DESCRIPTION

NOTES:
- THE IMAGE IN THE BACKGROUND HAS BEEN PROVIDED BY A THIRD PARTY. IT MAY NOT MATCH THE CURRENT SITE CONDITIONS.
- REFER TO RAIN FOR RENT ENGINEERING DOCUMENT NUMBER 01-17133-01-01 FOR DEWATERING CALCULATIONS.



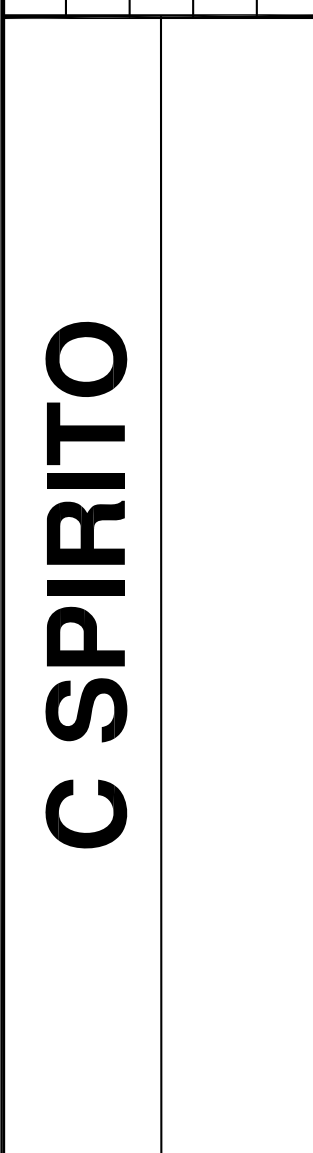
DATE: 10/19/2018 SCALE: NOT TO SCALE DESIGNED: B. DOWNING CHECKED: N. CAMACHE DRAWN: B. DOWNING	C SPIRITO	RIVERS SCHOOL DEWATERING	SYSTEM OVERVIEW	 Rain for Rent Engineering 3404 STATE ROAD, P.O. BOX 2248 BAKERSFIELD, CA 93303	ALL INFORMATION CONTAINED IN OR DISCLOSED BY THIS DOCUMENT IS THE PROPERTY OF RAIN FOR RENT ENGINEERING. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE PRIOR WRITTEN CONSENT OF RAIN FOR RENT ENGINEERING. © 2018 RAIN FOR RENT ENGINEERING. ALL RIGHTS RESERVED.	01-17133-02-01
						1

CONFIDENTIAL

RAIN FOR RENT INFORMATION NUMBER 1 SHEET 9

ITEM	QTY.	REF.	DESCRIPTION

DATE:	10/19/2018	SHEET NO. D
SCALE:	NOT TO SCALE	
DESIGNED:	B. DOWNING	
CHECKED:	N. GAMACHE	
DRAWN:	B. DOWNING	



RIVERS SCHOOL DEWATERING	
SYSTEM OVERVIEW	

Rain for Rent Engineering

• 3404 STATE ROAD, P.O. BOX 2248 BAKERSFIELD, CA 93303

1 SHEET 1

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01-17133-02-01



New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 8J24018
Client Project: ECLP-1017

Report Date: 26-October-2018

Prepared for:

Brent Tardiff
Environmental & Energy Solutions
22 Industrial Blvd
Hanson, MA 02431

Richard Warila, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
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Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 10/24/18. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 8J24018. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
8J24018-01	401-MW	Water	10/23/2018	10/24/2018
8J24018-02	403-SW	Water	10/23/2018	10/24/2018

Request for Analysis

At the client's request, the analyses presented in the following table were performed on the samples submitted.

401-MW (Lab Number: 8J24018-01)**Analysis**

Ammonia
Antimony
Arsenic
Cadmium
Calcium
Chloride
Chromium
Copper
Cyanide
Hexavalent Chromium
Iron
Lead
Magnesium
Mercury
Nickel
Oil & Grease, SGT
pH
Selenium
Silver
Total Residual Chlorine
Total Suspended Solids
Trivalent Chromium
Zinc

Method

SM4500-NH3-D
EPA 200.7
EPA 200.7
EPA 200.7
SM3120-B
SM4500CI-B
EPA 6010C
EPA 200.7
SM4500-CN-E
SM3500-Cr-B
EPA 200.7
EPA 200.7
SM3120-B
EPA 245.1
EPA 200.7
EPA 1664A
SM4500-H-B
EPA 200.7
EPA 200.7
SM4500-CI-G
SM2540-D
Calculation
EPA 200.7

403-SW (Lab Number: 8J24018-02)**Analysis**

Ammonia
Antimony
Arsenic
Cadmium
Calcium
Chloride
Chromium
Copper
Cyanide
Hexavalent Chromium
Iron
Lead
Magnesium
Mercury
Nickel
Oil & Grease, SGT
pH
Selenium
Silver
Total Residual Chlorine
Total Suspended Solids

Method

SM4500-NH3-D
EPA 200.7
EPA 200.7
EPA 200.7
SM3120-B
SM4500CI-B
EPA 6010C
EPA 200.7
SM4500-CN-E
SM3500-Cr-B
EPA 200.7
EPA 200.7
SM3120-B
EPA 245.1
EPA 200.7
EPA 1664A
SM4500-H-B
EPA 200.7
EPA 200.7
SM4500-CI-G
SM2540-D

Request for Analysis (continued)

403-SW (Lab Number: 8J24018-02) (continued)

Analysis

Trivalent Chromium
Zinc

Method

Calculation
EPA 200.7

Method References

Method 1664, Revision A: N-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated N-Hexane Extractable Material (SGTHEM; Non-polar, USEPA, 1999

Methods for the Determination of Metals in Environmental Samples EPA-600/R-94/111, USEPA, 1994

Standard Methods for the Examination of Water and Wastewater, 20th Edition, APHA/ AWWA-WPCF, 1998

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA

Case Narrative

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Wet Chemistry

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures.

Results: Calculation

Sample: 401-MW
Lab Number: 8J24018-01 (Water)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Trivalent Chromium	ND		0.0150	mg/L	10/25/18 9:30	10/25/18 12:24

Results: Calculation

Sample: 403-SW
Lab Number: 8J24018-02 (Water)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Trivalent Chromium	ND		0.255	mg/L	10/25/18 9:30	10/25/18 12:27

Results: General Chemistry**Sample: 401-MW****Lab Number: 8J24018-01 (Water)**

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Ammonia	ND		0.1	mg/L	10/25/18	10/25/18
Chloride	39		5	mg/L	10/25/18	10/25/18
Cyanide	ND		0.01	mg/L	10/26/18	10/26/18
Hexavalent chromium	ND		0.01	mg/L	10/24/18 13:50	10/24/18 13:50
pH	6.3		0.1	SU	10/24/18 14:35	10/24/18 14:35
Oil & Grease SGT	ND		4	mg/L	10/24/18	10/25/18
Total Residual Chlorine	ND		0.01	mg/L	10/24/18 14:00	10/24/18 14:00
Total Suspended Solids	16		2	mg/L	10/24/18	10/24/18

Results: General Chemistry**Sample: 403-SW****Lab Number: 8J24018-02 (Water)**

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Ammonia	ND		0.1	mg/L	10/25/18	10/25/18
Chloride	146		10	mg/L	10/25/18	10/25/18
Cyanide	ND		0.01	mg/L	10/26/18	10/26/18
Hexavalent chromium	ND		0.25	mg/L	10/24/18 13:50	10/24/18 13:50
pH	6.1		0.1	SU	10/24/18 14:35	10/24/18 14:35
Oil & Grease SGT	4		2	mg/L	10/24/18	10/25/18
Total Residual Chlorine	ND		0.25	mg/L	10/24/18 14:00	10/24/18 14:00
Total Suspended Solids	3120		20	mg/L	10/24/18	10/24/18

Results: Total Metals**Sample: 401-MW****Lab Number: 8J24018-01 (Water)**

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Hardness	84.5		0.125	mg/L	10/25/18	10/25/18
Antimony	0.028		0.005	mg/L	10/25/18	10/25/18
Arsenic	0.015		0.010	mg/L	10/25/18	10/25/18
Cadmium	ND		0.004	mg/L	10/25/18	10/25/18
Calcium	26.5		0.05	mg/L	10/25/18	10/25/18
Chromium	ND		0.005	mg/L	10/25/18	10/25/18
Copper	ND		0.020	mg/L	10/25/18	10/25/18
Iron	1.36		0.050	mg/L	10/25/18	10/25/18
Lead	0.023		0.005	mg/L	10/25/18	10/25/18
Magnesium	4.48		0.05	mg/L	10/25/18	10/25/18
Mercury	ND		0.0002	mg/L	10/25/18	10/25/18
Nickel	ND		0.005	mg/L	10/25/18	10/25/18
Selenium	ND		0.010	mg/L	10/25/18	10/25/18
Silver	0.042		0.005	mg/L	10/25/18	10/25/18
Zinc	ND		0.020	mg/L	10/25/18	10/25/18

Results: Total Metals**Sample: 403-SW****Lab Number: 8J24018-02 (Water)**

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Hardness	232		0.125	mg/L	10/25/18	10/25/18
Antimony	0.007		0.005	mg/L	10/25/18	10/25/18
Arsenic	0.118		0.010	mg/L	10/25/18	10/25/18
Cadmium	0.012		0.004	mg/L	10/25/18	10/25/18
Calcium	64.7		0.05	mg/L	10/25/18	10/25/18
Chromium	0.049		0.005	mg/L	10/25/18	10/25/18
Copper	0.155		0.020	mg/L	10/25/18	10/25/18
Iron	149		0.050	mg/L	10/25/18	10/25/18
Lead	0.654		0.005	mg/L	10/25/18	10/25/18
Magnesium	17.0		0.05	mg/L	10/25/18	10/25/18
Mercury	0.0003		0.0002	mg/L	10/25/18	10/25/18
Nickel	0.039		0.005	mg/L	10/25/18	10/25/18
Selenium	ND		0.010	mg/L	10/25/18	10/25/18
Silver	ND		0.005	mg/L	10/25/18	10/25/18
Zinc	0.662		0.020	mg/L	10/25/18	10/25/18

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8J1071 - Oil & Grease										
Blank (B8J1071-BLK1)					Prepared: 10/24/18 Analyzed: 10/25/18					
Oil & Grease SGT	ND		2	mg/L						
LCS (B8J1071-BS1)					Prepared: 10/24/18 Analyzed: 10/25/18					
Oil & Grease SGT	22		2	mg/L	20.0		110	64-132		
Batch: B8J1081 - Residual chlorine										
Blank (B8J1081-BLK1)					Prepared & Analyzed: 10/24/18					
Total Residual Chlorine	ND		0.01	mg/L						
Blank (B8J1081-BLK2)					Prepared & Analyzed: 10/24/18					
Total Residual Chlorine	ND		0.01	mg/L						
LCS (B8J1081-BS1)					Prepared & Analyzed: 10/24/18					
Total Residual Chlorine	0.49		0.01	mg/L	0.500		97.6	90-110		
LCS (B8J1081-BS2)					Prepared & Analyzed: 10/24/18					
Total Residual Chlorine	0.48		0.01	mg/L	0.500		96.2	90-110		
Duplicate (B8J1081-DUP1)					Prepared & Analyzed: 10/24/18					
Total Residual Chlorine	ND		0.01	mg/L		ND				20
Matrix Spike (B8J1081-MS1)					Prepared & Analyzed: 10/24/18					
Total Residual Chlorine	0.10		0.01	mg/L	0.500	ND	20.2	80-120		
Batch: B8J1083 - Hexavalent Chrome										
Blank (B8J1083-BLK1)					Prepared & Analyzed: 10/24/18					
Hexavalent chromium	ND		0.01	mg/L						

Quality Control (Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8J1083 - Hexavalent Chrome (Continued)										
Blank (B8J1083-BLK2)					Prepared & Analyzed: 10/24/18					
Hexavalent chromium	ND		0.01	mg/L						
LCS (B8J1083-BS1)					Prepared & Analyzed: 10/24/18					
Hexavalent chromium	0.52		0.01	mg/L	0.500		104	90-110		
LCS (B8J1083-BS2)					Prepared & Analyzed: 10/24/18					
Hexavalent chromium	0.09		0.01	mg/L	0.100		91.0	90-110		
LCS (B8J1083-BS3)					Prepared & Analyzed: 10/24/18					
Hexavalent chromium	0.53		0.01	mg/L	0.500		106	90-110		
Duplicate (B8J1083-DUP1)					Prepared & Analyzed: 10/24/18					
Hexavalent chromium	ND		0.01	mg/L		ND				20
Matrix Spike (B8J1083-MS1)					Prepared & Analyzed: 10/24/18					
Hexavalent chromium	0.22		0.01	mg/L	0.500	ND	44.2	80-120		
Batch: B8J1085 - pH										
LCS (B8J1085-BS1)					Prepared & Analyzed: 10/24/18					
pH	7.0		0.1	SU	7.00		100	90-110		
Duplicate (B8J1085-DUP1)					Prepared & Analyzed: 10/24/18					
pH	6.8		0.1	SU		6.8			0.148	20
Batch: B8J1135 - TSS										
Blank (B8J1135-BLK1)					Prepared & Analyzed: 10/24/18					
Total Suspended Solids	ND		2	mg/L						

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8J1135 - TSS (Continued)										
LCS (B8J1135-BS1)					Prepared & Analyzed: 10/24/18					
Total Suspended Solids	946		10	mg/L	1000		94.6	90-110		
Duplicate (B8J1135-DUP1)					Prepared & Analyzed: 10/24/18					
Total Suspended Solids	149		4	mg/L	134				10.6	20
Batch: B8J1142 - Chloride										
Blank (B8J1142-BLK1)					Prepared & Analyzed: 10/25/18					
Chloride	ND		1	mg/L						
LCS (B8J1142-BS1)					Prepared & Analyzed: 10/25/18					
Chloride	67		1	mg/L	60.6		110	90-110		
Batch: B8J1153 - Ammonia										
Blank (B8J1153-BLK1)					Prepared & Analyzed: 10/25/18					
Ammonia	ND		0.1	mg/L						
Blank (B8J1153-BLK2)					Prepared & Analyzed: 10/25/18					
Ammonia	ND		0.1	mg/L						
LCS (B8J1153-BS1)					Prepared & Analyzed: 10/25/18					
Ammonia	1.0		0.1	mg/L	1.00		102	90-110		
LCS (B8J1153-BS2)					Prepared & Analyzed: 10/25/18					
Ammonia	1.0		0.1	mg/L	1.00		98.4	90-110		

Quality Control
(Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8J1153 - Ammonia (Continued)										
Duplicate (B8J1153-DUP1)		Source: 8J24018-01			Prepared & Analyzed: 10/25/18					
Ammonia	ND		0.1	mg/L		ND				20
Matrix Spike (B8J1153-MS1)		Source: 8J24018-01			Prepared & Analyzed: 10/25/18					
Ammonia	1.0		0.1	mg/L	1.00	ND	99.8	80-120		
Batch: B8J1194 - Cyanide										
Blank (B8J1194-BLK1)					Prepared & Analyzed: 10/26/18					
Cyanide	ND		0.01	mg/L						
Blank (B8J1194-BLK2)					Prepared & Analyzed: 10/26/18					
Cyanide	ND		0.01	mg/L						
LCS (B8J1194-BS1)					Prepared & Analyzed: 10/26/18					
Cyanide	0.10		0.01	mg/L	0.100		101	90-110		
LCS (B8J1194-BS2)					Prepared & Analyzed: 10/26/18					
Cyanide	0.11		0.01	mg/L	0.100		106	90-110		
LCS (B8J1194-BS3)					Prepared & Analyzed: 10/26/18					
Cyanide	0.09		0.01	mg/L	0.100		91.0	90-110		
Duplicate (B8J1194-DUP1)		Source: 8J22008-01			Prepared & Analyzed: 10/26/18					
Cyanide	ND		0.01	mg/L		ND				200
Matrix Spike (B8J1194-MS1)		Source: 8J22008-01			Prepared & Analyzed: 10/26/18					
Cyanide	0.11		0.01	mg/L	0.100	ND	113	80-120		

Quality Control
(Continued)

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8J1106 - Hot plate acid digestion waters										
Blank (B8J1106-BLK1)					Prepared & Analyzed: 10/25/18					
Selenium	ND		0.010	mg/L						
Calcium	ND		0.05	mg/L						
Magnesium	ND		0.05	mg/L						
Chromium	ND		0.005	mg/L						
Arsenic	ND		0.010	mg/L						
Nickel	ND		0.005	mg/L						
Iron	ND		0.050	mg/L						
Silver	ND		0.005	mg/L						
Copper	ND		0.020	mg/L						
Lead	ND		0.005	mg/L						
Cadmium	ND		0.004	mg/L						
Antimony	ND		0.005	mg/L						
Zinc	ND		0.020	mg/L						
LCS (B8J1106-BS1)					Prepared & Analyzed: 10/25/18					
Iron	9.86		0.050	mg/L	10.0		98.6	85-115		
Cadmium	1.06		0.004	mg/L	1.00		106	85-114		
Arsenic	0.215		0.010	mg/L	0.200		107	85-115		
Copper	0.990		0.020	mg/L	1.00		99.0	85-115		
Calcium	11.0		0.05	mg/L	10.0		110	85-115		
Magnesium	11.0		0.05	mg/L	10.0		110	85-115		
Silver	0.449		0.005	mg/L	0.400		112	85-115		
Nickel	1.02		0.005	mg/L	1.00		102	85-112		
Antimony	1.03		0.005	mg/L	1.00		103	85-115		
Selenium	0.221		0.010	mg/L	0.200		110	85-115		
Lead	1.05		0.005	mg/L	1.00		105	85-115		
Zinc	1.02		0.020	mg/L	1.00		102	85-115		
Chromium	1.10		0.005	mg/L	1.00		110	85-115		

Quality Control
(Continued)

Total Metals (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch: B8J1132 - Hot plate acid digestion waters										
Blank (B8J1132-BLK1)					Prepared & Analyzed: 10/25/18					
Mercury	ND		0.0002	mg/L						
LCS (B8J1132-BS1)					Prepared & Analyzed: 10/25/18					
Mercury	1.01			ug/l	1.00		101	85-115		

Notes and Definitions

Item	Definition
Wet	Sample results reported on a wet weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.



8 J 2 4018 K

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Date Collected	Time Collected	Field Sample Identification	Grab / Composite	# Containers	Preservation	Matrix	EPH - MADEP EPH	VPH - MA DEP VPH	TFH	Total Residual Chlorine	RGP Metals (Potable water methods)	Cr VI	Cr III	Hardness	Ammonia	Chloride	Cyanide	Total Suspended Solids	pH	Sulfide & Cyanide Reactivity	Conductivity	Potable Transfer
11/23	5:00PM	401-MW	G	2	H	GW			X				X	X								
		401-MW	G	2	N	GW					X		X	X								
		401-MW	G	2	NP	GW				X		X			X	X	X	X	X			
		401-MW	G	1	Na OH	GW											X					
		403-SW	G	2	H	SW			X													
		403-SW	G	2	N	SW					X		X	X								
		403-SW	G	2	NP	SW				X		X			X	X		X	X			
		403-SW	G	1	Na OH	SW											X					

Client	Project
Company Environmental & Energy Solutions, Inc.	E&E Project: ECLP-1017
Name:	P.O.: ECLP-1017
Address: 22 Industrial Boulevard, Suite B	Email Report: brent.tardiff@environmentallandenergy.com
City / State / Hanson, MA 02341	Contact: Brent Tardiff
Telephone: 781/206-6292	

Relinquished By	Date	Time	Received By	Date	Time	Turn Around Time
J. P. [Signature]	10/24/18	1310	Gray & [Signature]	10/24/18	1110	5 Business Days
Gray & [Signature]	10/24/18	1310	[Signature]	10/24/18	1310	X Rush: 48-hour
Comments						Lab Use Only
RGP Metals include Sb, As, Cd, Cu, Fe, Pb, Ni, Se, Ag, Zn, Hg						Temperature:
Samples for total metals were preserved but not filtered in the field						Work Order:



StreamStats Data-Collection Station Report

USGS Station Number 01103425
Station Name BOGLE BROOK TRIBUTARY NEAR WESTON, MA

[Click here to link to available data on NWIS-Web for this site.](#)

Descriptive Information

Station Type Low Flow, partial record
Location
Gage
Regulation and Diversions
Regulated? False
Period of Record 1968-71
Remarks None
Latitude (degrees NAD83) 42.3323183
Longitude (degrees NAD83) -71.3258917
Hydrologic unit code 01090001
County 017-Middlesex
HCDN2009 No

Physical Characteristics

Characteristic Name	Value	Units	Citation Number
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Descriptive Information

State_Code	25	dimensionless	30
Datum_of_Latitude_Longitude	NAD83	dimensionless	30
District_Code	25	dimensionless	30

Basin Dimensional Characteristics

Drainage_Area	0.83	square miles	30
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Streamflow Statistics

Statistic Name	Value	Units	Citation Number	Years of Record	Standard Error, percent	Variance log-10	Lower 95% Confidence Interval	Upper 95% Confidence Interval	Start Date	End Date	Remarks
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Low-Flow Statistics

7_Day_2_Year_Low_Flow	0.1	cubic feet per second	19	Y							
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7_Day_10_Year_Low_Flow < 0.1 cubic [19](#) Y
feet per
second

Citations

<i>Citation Number</i>	<i>Citation Name and URL</i>
19	Wandle, S.W., Jr., 1984, Gazetteer of Hydrologic Characteristics of Streams in Massachusetts--Coastal River Basins of the North Shore and Massachusetts Bay: U.S. Geological Survey Water-Resources Investigations Report 84-4281
30	Imported from NWIS file

Enter number values in green boxes below

Enter values in the units specified

↓	
0.065	Q _R = Enter upstream flow in MGD
0.72	Q _b = Enter discharge flow in MGD
0	Downstream 7Q10

Enter a dilution factor, if other than zero

↓
0

Enter values in the units specified

↓	
50	C _d = Enter influent hardness in mg/L CaCO₃
20	C _s = Enter receiving water hardness in mg/L CaCO₃

Enter **receiving water** concentrations in the units specified

↓	
6.1	pH in Standard Units
10	Temperature in °C
0	Ammonia in mg/L
232	Hardness in mg/L CaCO₃
0	Salinity in ppt
7	Antimony in µg/L
118	Arsenic in µg/L
12	Cadmium in µg/L
0	Chromium III in µg/L
0	Chromium VI in µg/L
155	Copper in µg/L
149,000	Iron in µg/L
654	Lead in µg/L
0.3	Mercury in µg/L
39	Nickel in µg/L
0	Selenium in µg/L
0	Silver in µg/L
662	Zinc in µg/L

Enter **influent** concentrations in the units specified

↓	
0	TRC in µg/L
0	Ammonia in mg/L
28	Antimony in µg/L
15	Arsenic in µg/L
0	Cadmium in µg/L
0	Chromium III in µg/L
0	Chromium VI in µg/L
0	Copper in µg/L
1,360	Iron in µg/L
23	Lead in µg/L
0	Mercury in µg/L
0	Nickel in µg/L
0	Selenium in µg/L
42	Silver in µg/L
0	Zinc in µg/L
0	Cyanide in µg/L
0	Phenol in µg/L
0	Carbon Tetrachloride in µg/L
0	Tetrachloroethylene in µg/L
0	Total Phthalates in µg/L
0	Diethylhexylphthalate in µg/L
0	Benzo(a)anthracene in µg/L
0	Benzo(a)pyrene in µg/L
0	Benzo(b)fluoranthene in µg/L
0	Benzo(k)fluoranthene in µg/L
0	Chrysene in µg/L
0	Dibenzo(a,h)anthracene in µg/L
0	Indeno(1,2,3-cd)pyrene in µg/L
0	Methyl-tert butyl ether in µg/L

Dilution Factor	1.1					
A. Inorganics	TBEL applies if bolded		WQBEL applies if bolded		Compliance Level applies if shown	
Ammonia	Report	mg/L	---			
Chloride	Report	µg/L	---			
Total Residual Chlorine	0.2	mg/L	12	µg/L	50	µg/L
Total Suspended Solids	30	mg/L	---			
Antimony	206	µg/L	697	µg/L		
Arsenic	104	µg/L	10	µg/L		
Cadmium	10.2	µg/L	0.1559	µg/L		
Chromium III	323	µg/L	51.1	µg/L		
Chromium VI	323	µg/L	12.5	µg/L		
Copper	242	µg/L	4.9	µg/L		
Iron	5000	µg/L	1000	µg/L		
Lead	160	µg/L	1.23	µg/L		
Mercury	0.739	µg/L	0.96	µg/L		
Nickel	1450	µg/L	27.8	µg/L		
Selenium	235.8	µg/L	5.5	µg/L		
Silver	35.1	µg/L	1.1	µg/L		
Zinc	420	µg/L	63.8	µg/L		
Cyanide	178	mg/L	5.7	µg/L	---	µg/L
B. Non-Halogenated VOCs						
Total BTEX	100	µg/L	---			
Benzene	5.0	µg/L	---			
1,4 Dioxane	200	µg/L	---			
Acetone	7970	µg/L	---			
Phenol	1,080	µg/L	327	µg/L		
C. Halogenated VOCs						
Carbon Tetrachloride	4.4	µg/L	1.7	µg/L		
1,2 Dichlorobenzene	600	µg/L	---			
1,3 Dichlorobenzene	320	µg/L	---			
1,4 Dichlorobenzene	5.0	µg/L	---			
Total dichlorobenzene	---	µg/L	---			
1,1 Dichloroethane	70	µg/L	---			
1,2 Dichloroethane	5.0	µg/L	---			
1,1 Dichloroethylene	3.2	µg/L	---			
Ethylene Dibromide	0.05	µg/L	---			
Methylene Chloride	4.6	µg/L	---			
1,1,1 Trichloroethane	200	µg/L	---			
1,1,2 Trichloroethane	5.0	µg/L	---			
Trichloroethylene	5.0	µg/L	---			
Tetrachloroethylene	5.0	µg/L	3.6	µg/L		
cis-1,2 Dichloroethylene	70	µg/L	---			
Vinyl Chloride	2.0	µg/L	---			
D. Non-Halogenated SVOCs						
Total Phthalates	190	µg/L	---	µg/L		
Diethylhexyl phthalate	101	µg/L	2.4	µg/L		
Total Group I Polycyclic Aromatic Hydrocarbons	1.0	µg/L	---			
Benzo(a)anthracene	1.0	µg/L	0.0041	µg/L	---	µg/L
Benzo(a)pyrene	1.0	µg/L	0.0041	µg/L	---	µg/L
Benzo(b)fluoranthene	1.0	µg/L	0.0041	µg/L	---	µg/L
Benzo(k)fluoranthene	1.0	µg/L	0.0041	µg/L	---	µg/L
Chrysene	1.0	µg/L	0.0041	µg/L	---	µg/L
Dibenzo(a,h)anthracene	1.0	µg/L	0.0041	µg/L	---	µg/L
Indeno(1,2,3-cd)pyrene	1.0	µg/L	0.0041	µg/L	---	µg/L
Total Group II Polycyclic Aromatic Hydrocarbons	100	µg/L	---			
Naphthalene	20	µg/L	---			
E. Halogenated SVOCs						
Total Polychlorinated Biphenyls	0.000064	µg/L	---		0.5	µg/L
Pentachlorophenol	1.0	µg/L	---			
F. Fuels Parameters						
Total Petroleum Hydrocarbons	5.0	mg/L	---			
Ethanol	Report	mg/L	---			
Methyl-tert-Butyl Ether	70	µg/L	22	µg/L		
tert-Butyl Alcohol	120	µg/L	---			
tert-Amyl Methyl Ether	90	µg/L	---			



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>

In Reply Refer To:

October 22, 2018

Consultation Code: 05E1NE00-2019-SLI-0152

Event Code: 05E1NE00-2019-E-00336

Project Name: Excavation dewatering/ NPDES Remediation General Permit

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2019-SLI-0152

Event Code: 05E1NE00-2019-E-00336

Project Name: Excavation dewatering/ NPDES Remediation General Permit

Project Type: DEVELOPMENT

Project Description: Dewatering for the a 120' X 120' building foundation for new construction. Estimated to take 6 weeks. Groundwater is impacted by historic #2 fuel oil spill. Discharge water will be pretreated with granular activated carbon and bag filters.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/42.3238215872164N71.32553396360215W>



Counties: Middlesex, MA

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Weston; Street No: 333; Street Name: Winter;

Inv. No.	Property Name	Street	Town	Year
WSN.363	Loker, Andrew G. House	333 Winter St	Weston	c 1908
WSN.364	Loker, Andrew G. Barn	333 Winter St	Weston	c 1850
WSN.365	Loker, Andrew G. Outbuilding	333 Winter St	Weston	