UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1

5 Post Office Square, Suite 100

BOSTON, MA 02109-3912

CERTIFIED MAIL RETURN RECEIPT REQUESTED

MAY 07 2015

Dan LeBlanc
Owner
LeBlanc Property Holdings LLC
36 Juniper Hill Road
Waltham, MA 02452

Re: Authorization to discharge under the Remediation General Permit (RGP) – MAG910000. Building construction site located at 42 Felton Street in Waltham Massachusetts 02453, Middlesex County; Authorization # MAG910679

Dear: Mr. LeBlanc:

Based on the review of a Notice of Intent (NOI) submitted by Richard E. Gang from Cooperstown Environmental on behalf of LeBlanc Property Holdings LLC, for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Owner and Operator to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Please note the enclosed checklist includes parameters which your consultant marked "Believed Present".

Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on a dilution factor range (DFR), due to the ample dilution at the point of discharge (161) the DFR applicable for this pollutant is within a dilution range greater than one hundred (>100) established in the RGP. (See the RGP Appendix IV for Massachusetts facilities). Therefore, the limit for antimony of 141 ug/L, arsenic of 540 ug/L, hexavalent

chromium of 1,710 ug/L, lead of 132 ug/L, zinc of 1,480ug/L and iron of 5,000 ug/L, shall not be exceeded in the discharge.

This general permit and authorization to discharge will expire on September 9, 2015. You have reported that this project will terminate on December 31, 2015. You are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Finally, please note the checklist of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA within six (6) to twelve (12) months of operations in accordance with the 2010 RGP regulations

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

Thelma Murphy

Thelma Murphy, Chief
Storm Water and Construction
Permits Section

Enclosure

cc: Robert Kubit, MassDEP
Stephen A. Casazza, DPW
Richard A. Gang, Cooperstown Environmental

2010 Remediation General Permit
Summary of Monitoring Parameters [1]

NPDES Authorization Number:	**MAG91069**
Authorization Issued:	May, 2015
Facility/Site Name:	New Construction of Commercial Building
Facility/Site Address:	44 Felton St. in Waltham, MA 02453
	Email address of owner: djleblanc@comcast.net
Legal Name of Operator:	LeBlanc Property Holdings LLC
Operator contact name, title, and Address:	Dan LeBlanc, Owner, 36 Juniper Hill Road, Waltham, MA 02453
	Email: Same as the owner
Estimated date of The Project Completion:	December 31, 2015
Category and Sub-Category:	Category I- Petroleum Related Site Remediation. Subcategory C. Petroleum Sites with sites with Additional Contamination and Contaminated Construction Dewatering. Subcategory B. Known Contaminated Sites respectively.
RGP Termination Date:	September 2015
Receiving Water:	Charles River

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	Parameter	**Effluent Limit/Method#/ML** (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
√	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/L) **, 50 mg/L for hydrostatic testing ** Me#160.2/ML5ug/L
√	2. Total Residual Chlorine (TRC) [1]	Freshwater = 11 ug/L ** Saltwater = 7.5 ug/L **/ Me#330.5/ML 20ug/L
√	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/L/ Me# 1664A/ML 5.0mg/L
	4. Cyanide (CN) [2, 3]	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/L **/ Me#335.4/ML 10ug/L
	5. Benzene (B)	5ug/L /50.0 ug/L for hydrostatic testing only/ Me#8260C/ML 2 ug/L
	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
	7. Ethylbenzene (E)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L

	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) [4]	100 ug/L/ Me#8260C/ ML 2ug/L
	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
	11. Methyl-tert-Butyl Ether (MtBE)	70.0 ug/l/Me#8260C/ML 10ug/L
	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	13. tert-Amyl Methyl Ether (TAME)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	14. Naphthalene [5]	20 ug/L /Me#8260C/ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/L /Me#8260C/ ML 5ug/L
	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/L /Me#8260C/ ML 5ug/L
√	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/L /Me#8260C/ ML 5ug/L
√	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/L /Me#8260C/ ML 5ug/L
	18a. Total dichlorobenzene	763 ug/L - NH only /Me#8260C/ ML 5ug/L
	19. 1,1 Dichloroethane (DCA)	70 ug/L /Me#8260C/ ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	21. 1,1 Dichloroethene (DCE)	3.2 ug/L/Me#8260C/ ML 5ug/L
	22. cis-1,2 Dichloroethene (DCE)	70 ug/L/Me#8260C/ ML 5ug/L
	23. Methylene Chloride	4.6 ug/L/Me#8260C/ ML 5ug/L
	24. Tetrachloroethene (PCE)	5.0 ug/L/Me#8260C/ ML 5ug/L
	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/L/Me#8260C/ ML 5ug/L
	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	27. Trichloroethene (TCE)	5.0 ug/L /Me#8260C/ ML 5ug/L
	28. Vinyl Chloride (Chloroethene)	2.0 ug/L /Me#8260C/ ML 5ug/L
	29. Acetone	Monitor Only(ug/L)/Me#8260C/ML 50ug/L
	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML 50ug/L
	31. Total Phenols	300 ug/L Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L
√	32. Pentachlorophenol (PCP)	1.0 ug/L /Me#8270D/ML 5ug/L,Me#604 &625/ML 10ug/L
√	33. Total Phthalates (Phthalate esters) [6]	3.0 ug/L ** /Me#8270D/ML 5ug/L, Me#606/ML 10ug/L& Me#625/ML 5ug/L
√	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/L /Me#8270D/ML 5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L
√	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/L
√	a. Benzo(a) Anthracene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L

√	b. Benzo(a) Pyrene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	c. Benzo(b)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	d. Benzo(k)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	e. Chrysene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	f. Dibenzo(a,h)anthracene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	g. Indeno(1,2,3-cd) Pyrene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML5ug/L
√	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/L
√	h. Acenaphthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	i. Acenaphthylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	j. Anthracene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	k. Benzo(ghi) Perylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	l. Fluoranthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	m. Fluorene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	n. Naphthalene [5]	20 ug/l / Me#8270/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	o. Phenanthrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	p. Pyrene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	37. Total Polychlorinated Biphenyls (PCBs) [8, 9]	0.000064 ug/L/Me# 608/ ML 0.5 ug/L
√	38. Chloride	Monitor only/Me# 300.0/ ML 100 ug/L

	Metal parameter	**Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11/12]**		**Minimum level=ML**	
		Freshwater			
	39. Antimony	5.6/ML 10		ML 10	
	40. Arsenic **	10/ML20		ML	20
	41. Cadmium **	0.2/ML10			10
	42. Chromium III (trivalent) **	48.8/ML15			15
	43. Chromium VI (hexavalent) **	11.4		ML	10
√	44. Copper **	520		ML	15

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General facility/site information. Please provide the following information about the site:

a) Name of **facility/site**: 42 Felton Street		**Facility/site** mailing address:		
Location of **facility/site**: longitude: -71.238655 latitude: 42.374347	Facility SIC code(s): NA	Street: 42 Felton Street		
b) Name of **facility/site owner:**		Town: Waltham		
Email address of facility/site owner: djleblancinc@comcast.net		State: MA	Zip: 02453	County: Middlesex
Telephone no. of facility/site **owner**: 781-893-2600				
Fax no. of facility/site **owner**: NA		**Owner** is (check one): 1. Federal ○ 2. State/Tribal ○ 3. Private ◉ 4. Other ○ if so, describe:		
Address of **owner** (if different from site):				
Street: 36 Juniper Hill Road				
Town: Waltham	State: MA	Zip: 02452	County: Middlesex	
c) Legal name of **operator**: LeBlanc Property Holdings LLC	**Operator** telephone no: 781-893-2600			
	Operator fax no.: NA	**Operator** email: djleblancinc@comcast.net		
Operator contact name and title: Dan LeBlanc, Owner				
Address of **operator** (if different from owner):	Street:			
Town:	State:	Zip:	County:	

d) Check Y for "yes" or N for "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Y ○ N ◉, if Y, number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y ○ N ◉, if Y, date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y ◉ N ○
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y ◉ N ○

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y ○ N ◉
If Y, please list:
1. site identification # assigned by the state of NH or MA:
2. permit or license # assigned:
3. state agency contact information: name, location, and telephone number:

f) Is the site/facility covered by any other EPA permit, including:
1. Multi-Sector General Permit? Y ○ N ◉,
if Y, number:
2. Final Dewatering General Permit? Y ○ N ◉,
if Y, number:
3. EPA Construction General Permit? Y ○ N ◉,
if Y, number:
4. Individual NPDES permit? Y ○ N ◉,
if Y, number:
5. any other water quality related individual or general permit? Y ○ N ◉, if Y, number:

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y ○ N ◉

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

Activity Category	**Activity Sub-Category**
I - Petroleum Related Site Remediation	A. Gasoline Only Sites ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐ C. Petroleum Sites with Additional Contamination ☒
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites ☐ B. VOC Sites with Additional Contamination ☐ C. Primarily Heavy Metal Sites ☐
III - Contaminated Construction Dewatering	A. General Urban Fill Sites ☐ B. Known Contaminated Sites ☒

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐ C. Hydrostatic Testing of Pipelines and Tanks ☐ D. Long-Term Remediation of Contaminated Sumps and Dikes ☐ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ☐

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

Construction dewatering

b) Provide the following information about each discharge:

1) Number of discharge points: 1

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow: 0.089 Is maximum flow a **design value**? Y ○ N ◉
Average flow (include units) 0.067 Is average flow a design value or estimate? Estimate

3) Latitude and longitude of each discharge within 100 feet:
pt.1: lat. 42.374347 long. -71.238655 pt.2: lat. _____ long. _____;
pt.3: lat. _____ long. _____ pt.4: lat. _____ long. _____;
pt.5: lat. _____ long. _____ pt.6: lat. _____ long. _____;
pt.7: lat. _____ long. _____ pt.8: lat. _____ long. _____; etc.

4) If hydrostatic testing, total volume of the discharge (gals): 0

5) Is the discharge intermittent ◉ or seasonal ○?
Is discharge ongoing? Y ○ N ◉

c) Expected dates of discharge (mm/dd/yy): start 05/01/2015 end 12/31/2015

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s). Attached

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids (TSS)		☐	☒	1	Grab	2540D	2000	13000	2.83	13000	2.13
2. Total Residual Chlorine (TRC)		☐	☒	1	Grab	4500CLG	10	30	0.0065	30	0.0049
3. Total Petroleum Hydrocarbons (TPH)		☐	☒	1	Grab	1664	2000	6000	1.31	6000	0.98
4. Cyanide (CN)	57125	☒	☐	1	Grab	4500CNE	10				
5. Benzene (B)	71432	☒	☐	1	Grab	624	1				
6. Toluene (T)	108883	☒	☐	1	Grab	624	1				
7. Ethylbenzene (E)	100414	☒	☐	1	Grab	624	1				
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	1	Grab	624	2				
9. Total BTEX [2]	n/a	☒	☐	1	Grab	624	2				
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	1	Grab	624	1				
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	1	Grab	624	1				
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	1	Grab	624	5				

***** Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

[2] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

[3] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
13. tert-Amyl Methyl Ether (TAME)	9940508	☒	☐	1	Grab	624	1				
14. Naphthalene	91203	☒	☐	1	Grab	624	1				
15. Carbon Tetrachloride	56235	☒	☐	1	Grab	624	1				
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	1	Grab	624	1				
17. 1,3 Dichlorobenzene (m-DCB)	541731	☐	☒	1	Grab	8270D	1	1	0.0002	1	0.0002
18. 1,4 Dichlorobenzene (p-DCB)	106467	☐	☒	1	Grab	8270D	1	1	0.0002	1	0.0002
18a. Total dichlorobenzene		☐	☒	1	Grab	8270D	1	1	0.0004	1	0.0004
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	1	Grab	624	1				
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	1	Grab	624	1				
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	1	Grab	624	1				
22. cis-1,2 Dichloroethene (DCE)	156592	☒	☐	1	Grab	624	1				
23. Methylene Chloride	75092	☒	☐	1	Grab	624	1				
24. Tetrachloroethene (PCE)	127184	☒	☐	1	Grab	624	1				
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	1	Grab	524	1				
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	1	Grab	624	1				
27. Trichloroethene (TCE)	79016	☒	☐	1	Grab	624	1				

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
28. Vinyl Chloride (Chloroethene)	75014	☒	☐	1	Grab	624	1				
29. Acetone	67641	☒	☐	1	Grab	624	5				
30. 1,4 Dioxane	123911	☒	☐	1	Grab	624	5				
31. Total Phenols	108952	☒	☐	1	Grab	420.1	50				
32. Pentachlorophenol (PCP)	87865	☐	☒	1	Grab	8270D	2	2	0.0004	2	0.0004
33. Total Phthalates (Phthalate esters) [4]		☐	☒	1	Grab	8270D	3	8	0.0017	8	0.0013
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☐	☒	1	Grab	8270D	3	3	0.0007	3	0.0005
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☐	☒	1	Grab	8270D	0.05	1.66	0.0004	1.66	0.0003
a. Benzo(a) Anthracene	56553	☐	☒	1	Grab	8270D	0.05	0.26	0.0001	0.26	0.0000
b. Benzo(a) Pyrene	50328	☐	☒	1	Grab	8270D	0.05	0.15	0.0000	0.15	0.0000
c. Benzo(b)Fluoranthene	205992	☐	☒	1	Grab	8270D	0.05	0.40	0.0001	0.40	0.0001
d. Benzo(k)Fluoranthene	207089	☐	☒	1	Grab	8270D	0.05	0.14	0.0000	0.14	0.0000
e. Chrysene	21801	☐	☒	1	Grab	8270D	0.05	0.46	0.0001	0.46	0.0001
f. Dibenzo(a,h)anthracene	53703	☐	☒	1	Grab	8270D	0.05	0.05	0.0000	0.05	0.0000
g. Indeno(1,2,3-cd) Pyrene	193395	☐	☒	1	Grab	8270D	0.05	0.2	0.0000	0.2	0.0000
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☐	☒	1	Grab	8270D	0.05	7.77	0.0015	7.77	0.0012

[4] The sum of individual phthalate compounds.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
h. Acenaphthene	83329	☐	☒	1	Grab	8270D	0.05	0.20	0.0000	0.20	0.0000
i. Acenaphthylene	208968	☐	☒	1	Grab	8270D	0.05	0.16	0.0000	0.16	0.0000
j. Anthracene	120127	☐	☒	1	Grab	8270D	0.05	0.40	0.0001	0.40	0.0001
k. Benzo(ghi) Perylene	191242	☐	☒	1	Grab	8270D	0.05	0.17	0.0000	0.17	0.0000
l. Fluoranthene	206440	☐	☒	1	Grab	8270D	0.05	1.20	0.0003	1.20	0.0002
m. Fluorene	86737	☐	☒	1	Grab	8270D	0.05	0.62	0.0001	0.62	0.0001
n. Naphthalene	91203	☐	☒	1	Grab	8270D	0.05	0.22	0.0000	0.22	0.0000
o. Phenanthrene	85018	☐	☒	1	Grab	8270D	0.05	3.40	0.0007	3.40	0.0006
p. Pyrene	129000	☐	☒	1	Grab	8270D	0.05	1.40	0.0003	1.40	0.0002
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐	1	Grab	8082A	0.05				
38. Chloride	16887006	☐	☒	1	Grab	4500-CL-B	1000	505000	110.08	505000	82.60
39. Antimony	7440360	☒	☐	1	Grab	6010C	3				
40. Arsenic	7440382	☒	☐	1	Grab	6010C	3				
41. Cadmium	7440439	☒	☐	1	Grab	6010C	1				
42. Chromium III (trivalent)	16065831	☒	☐	1	Grab	6010C	1				
43. Chromium VI (hexavalent)	18540299	☒	☐	1	Grab	6010C	1				
44. Copper	7440508	☐	☒	1	Grab	6010C	5	6	0.0013	6	0.0010
45. Lead	7439921	☐	☒	1	Grab	6010C	1	13	0.0028	13	0.0021
46. Mercury	7439976	☒	☐	1	Grab	7470A	0.20				
47. Nickel	7440020	☐	☒	1	Grab	6010C	1	3	0.0007	3	0.0005
48. Selenium	7782492	☒	☐	1	Grab	3113B	1				
49. Silver	7440224	☒	☐	1	Grab	6010C	1				
50. Zinc	7440666	☐	☒	1	Grab	6010C	5	6	0.0013	6	0.0010
51. Iron	7439896	☐	☒	1	Grab	6010C	13	1040	0.2267	1040	0.1701
Other (describe):		☐	☐								

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
		☐	☐								
		☐	☐								

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

Step 1: Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y◉ N○	If yes, which metals? Copper, Lead, Iron
Step 2: For any metals which exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal: Copper DF: 1.01 Metal: Lead DF: 1.01 Metal: Iron DF: 1.01 Metal: DF: Etc.	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y◉ N○ If Y, list which metals: Copper, Lead, Iron

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

Filtered sump into a frac tank, settlng, transfer through a bag filer, and then through 2 phase granulated carbon and metering system, into storm drain with outfall in Charles River. Diagram attached.

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ☒	Air stripper ☐	Oil/water separator ☒	Equalization tanks ☐	Bag filter ☒	GAC filter ☒
	Chlorination ☐	De-chlorination ☐	Other (please describe):			

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system:
Average flow rate of discharge 30 gpm Maximum flow rate of treatment system 40 gpm
Design flow rate of treatment system 40 gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

None

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct to receiving water ☐	Within facility (sewer) ☐	Storm drain ☒	Wetlands ☐	Other (describe):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

GAC to surface drain on Felton St. (36" brick); Felton at 0.20% to Moody St. drain (48" iron); Moody St. to Charles River at 0.75%

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water Class B - warm wat

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 14.3 cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y ◉ N ○ If yes, for which pollutant(s)?

Is there a final TMDL? Y ◉ N ○ If yes, for which pollutant(s)? Pathogens, Nutrients

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?

A ◉ B ○ C ○ D ○ E ○ F ○

b) If you selected Criterion D or F, has consultation with the federal services been completed? Y ○ N ◉ Underway ○

c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received? Y ○ N ◉

d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.

e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?

1 ○ 2 ◉ 3 ○

f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information.

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

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 gather and evaluate 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, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name:	42 Felton Street
Operator signature:	
Printed Name &Title:	Dan LeBlanc, Owner
Date:	4-27-15

April 24, 2015

U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code OEP06-4
Boston, Massachusetts 02109-3912
ATTN: Remediation General Permit NOI Processing

Subject: Notice of Intent (NOI)
Temporary Construction Dewatering
LeBlanc Property Holdings LLC, 42 Felton Street
Waltham, Massachusetts

Dear Sir/Madam:

On behalf of the property owner, LeBlanc Property Holdings LLC, and in accordance with the National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP) in Massachusetts, MAG910000, this letter submits a Notice of Intent (NOI) and the applicable documentation as required by the U.S. Environmental Protection Agency (EPA) for temporary construction site dewatering under the RGP. Temporary dewatering is planned in support of proposed site redevelopment at the site.

In 2014, LeBlanc Property Holdings LLC (LeBlanc) purchased the property at 42 Felton Street in Waltham, Massachusetts. At the time of purchase, a portion of the 0.52-acre parcel was improved by asphalt paving, and no structures were present on the property. LeBlanc intends to construct a commercial building whose footprint will occupy approximately one-third of the property: length of 190 feet, width of 35 to 40 feet, and a footprint of approximately 7,100 square feet. The remaining portion of the site will be paved. The site is currently under construction and contains open excavations.

Based on information presented in prior reports, the site was utilized at different times as a gasoline filling station, a fuel oil distributor, and a repair facility between the early 1930's and the late 1970's. At one point, the site reportedly contained fifteen (15) 10,000 gallon aboveground storage tanks (ASTs) and as many as thirteen (13) underground storage tanks (USTs). These tanks were reportedly used for gasoline and diesel fuel storage. The site was licensed for storage of up to 260,000 gallons of fuel oil and 16,000 gallons of gasoline. None of the 15 ASTs were present on the site as of the purchase date.

The location of the Site is in a primarily commercial area of Waltham, Massachusetts. **Figure 1** of **Appendix A** is a site locus showing the Site and the surrounding area. Neighboring properties include commercial and industrial properties on Felton Street and an MBTA commuter rail station and tracks. The Charles River is approximately 200 feet south of the property. **Figure 2** of **Appendix A** is a site plan showing the dimensions of the site and the approximate location of former structures.

REGULATORY BACKGROUND

In 2014, EBI Consulting, Inc. (EBI) of Burlington, Massachusetts performed Phase I and Phase II

Environmental Site Assessments (ESAs), including investigating subsurface soil and groundwater conditions on behalf of NYFB Realty Trust. EBI's Phase I Environmental Site Assessment, dated May 1, 2014, identified recognized environmental conditions (RECs) in connection with the historic use of the property as a gasoline station and for fuel oil distribution. EBI's Phase II Environmental Site Assessment, dated July 16, 2014, identified petroleum contamination up to 12 feet below the ground surface across the site, as well as groundwater contamination, both of which exceeded Massachusetts Contingency Plan (MCP) notification thresholds for various constituents. The Phase II report specifically mentioned a ground-penetrating radar (GPR) study performed on July 2, 2014 that found no evidence of subsurface structures, although no documentation of the GPR study was provided.

In addition, EBI prepared a pre-disposal characterization study of the site dated October 1, 2014. This study described the construction of nine test pits and additional soil testing in preparation for soil excavation and off-site disposal. EBI noted that contaminant levels in soils and groundwater required notice to the Massachusetts Department of Environmental Protection (DEP) by November 16, 2014.

Cooperstown Environmental LLC (Cooperstown) filed a 120-Day Notification with DEP on November 12, 2014. Subsequently, DEP issued Release Tracking Number (RTN) 3-32545. Cooperstown filed a Release Abatement Measure (RAM) Plan with DEP on November 20, 2014. Subsequently, the excavation began on December 1, 2014.

Shortly after commencement of RAM activities, it became apparent that the degree of petroleum contamination within site soils was greater and more pervasive than initially delineated by EBI. In fact, DEP communicated that they received an odor complaint from a neighbor during excavation activities. DEP relayed this information to Cooperstown for consideration as response actions continued.

In addition, an underground storage tank (UST) was discovered during excavation. Elevated headspace readings (>100 ppm) were measured within the excavation adjacent to the UST on December 4, 2015. This condition constituted a new reporting condition under a Massachusetts Contingency Plan (MCP) 72-hour reporting threshold, so this information was communicated to DEP on December 5, 2014. DEP subsequently assigned a second RTN to the site (3-32625) and approved plans to remove the UST and any water and/or fuel mixture contained within the tank as an Immediate Response Action (IRA).

Soil excavation continued under the RAM, and the UST removal was scheduled. On December 12, 2014, Etna Tank of Brentwood, New Hampshire (Etna) and Cyn Environmental of Stoughton, Massachusetts (Cyn) were on site to remove the UST and its contents. As work began, a second abandoned tank was discovered adjacent to the initial UST. This tank was also removed at that time.

During the course of excavation activities, six additional USTs have been identified, and a total of 8 USTs have been encountered at the site so far. On March 31, 2015 and April 1, 2015, the remaining six tanks and their contents were removed from the site by Northeast Tank and Environmental Services, Inc. of Stoughton, Massachusetts and Clean Harbors of Norwell, Massachusetts.

At the time of this writing, all eight of these USTs and their contents have been removed and properly disposed.

WATER QUALITY INFORMATION

In support of this NOI, Cooperstown collected a surface water sample from the standing water in the open excavation, which is presumed to be a mixture of groundwater and precipitation. The sample was submitted to New England Testing Laboratory (NETLab) of North Providence, Rhode Island for analysis of NPDES RGP permit parameters for Contaminated Construction Dewatering for Sub-Category B – Known Contaminated Sites.

The analytical results for this surface water sample identified concentrations of total residual chlorine, total petroleum hydrocarbons, pentachlorophenol, total phthalates, copper, lead, and iron are above applicable NPDES RGP effluent limits. Furthermore, the Group I Polycyclic Aromatic Hydrocarbons (PAHs) are also above the applicable NPDES RGP effluent limits as well as the compliance limits, which are equal to the reporting limit of the analytical method used. The results of the water quality testing for this NOI are presented in **Table 1** of **Appendix A**. The laboratory data report is provided in **Appendix B**.

PLANNED DEWATERING AND TREATMENT

Groundwater and precipitation have collected within the excavation and are required to be removed to complete the remediation. Water will be transferred from the base of the excavation to the treatment system using sump pumps, installed below grade and within the limits of excavation. The location of the sumps will be determined by the excavation contactor.

While the final design of the treatment system will be determined by the water treatment contractor, the dewatering treatment system will include fractionation tank(s), bag filter(s), and granular activated carbon (GAC) treatment unit(s), as shown in **Figure 3** of **Appendix A**. If needed, additional treatment will be included in order to meet the effluent limits established by the RGP for the site.

After treatment, water will be discharged to the storm drain in Felton Street, as shown in **Figure 4** of **Appendix A**. From this discharge point, water will flow through the main in Felton Street to the main in Moody Street, which discharges into the Charles River at outfall R60.

RGP NOTICE OF INTENT FORM

An NOI Form has been prepared in support of this submittal and is provided in **Appendix C**. LeBlanc is the current owner of the site. The site work is being completed by the excavation contractor Suffolk Engineering, Inc. (SEI) of Waltham, Massachusetts. The final treatment system design will be determined by the treatment contractor, Northeast Tank and Environmental Services, Inc. of Stoughton, Massachusetts. The treatment system will be operated and maintained in compliance with the RGP by Cooperstown on the behalf of LeBlanc. Daniel LeBlanc, Authorized Signatory for LeBlanc, is listed as the "Operator" for this RGP. Mr. LeBlanc has signed the NOI form.

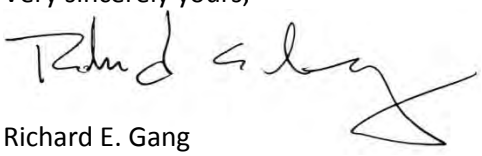
SUPPORTING INFORMATION

In support of this submittal, the following information has also been included:

- A Best Management Practices Plan (BMPP) discussing treatment system operation in provided in **Appendix D**;
- Documentation on the absence of Endangered Species in vicinity of the site is provided in **Figure 5** of **Appendix A**; and
- Documentation on Historic Places in the vicinity of the site is provided in **Appendix E**.

If you have any questions or require additional information, please contact me or Eva Ward at 978-470-4755.

Very sincerely yours,



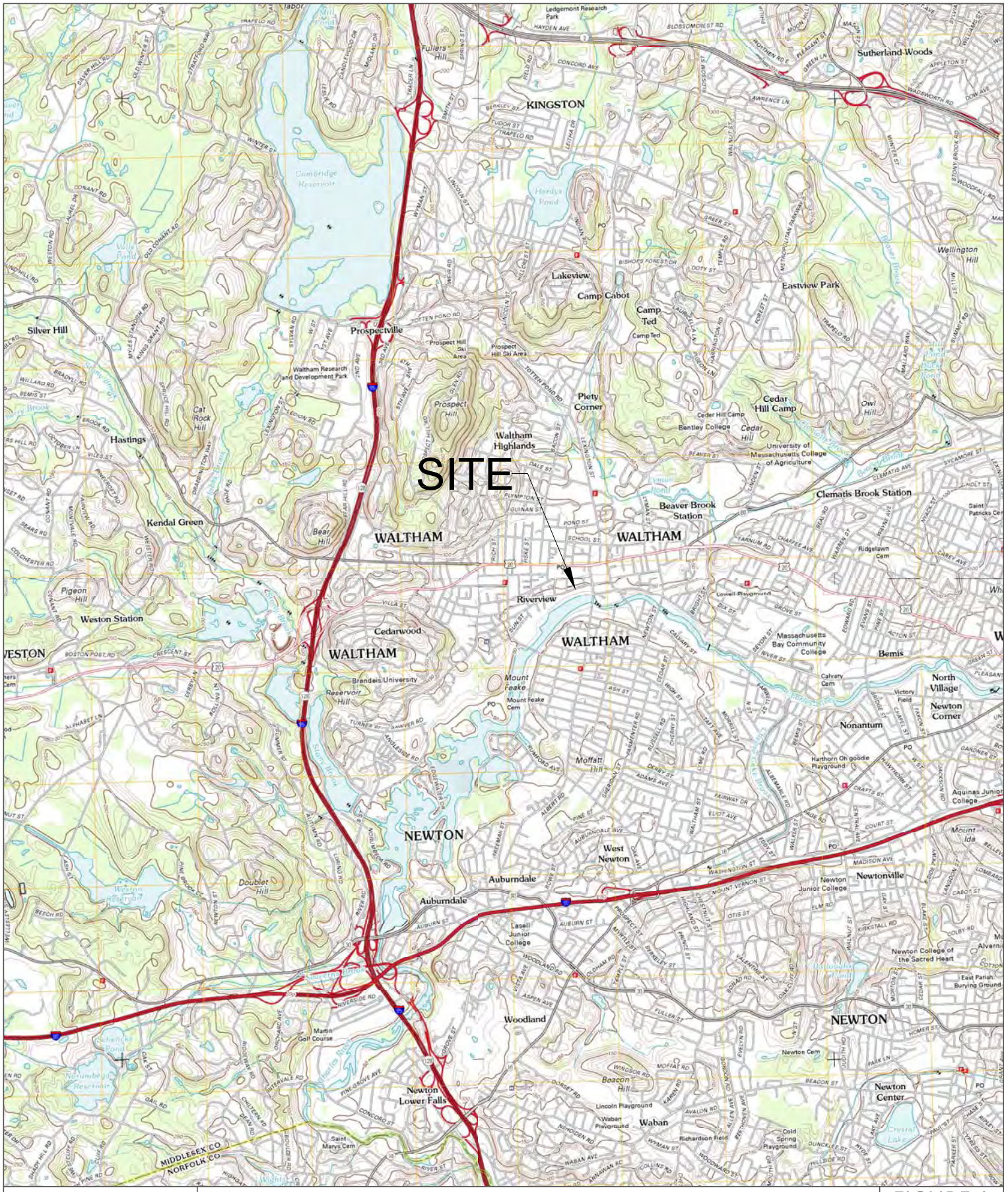
Richard E. Gang
Senior Vice President

COOPERSTOWN ENVIRONMENTAL LLC

Attachments

Appendix A — Figures and Table
- **Figure 1 — Site Locus**
- **Figure 2 — Site Plan**
- **Figure 3 — Treatment System Design Schematic**
- **Figure 4 — Discharge Flow Path**
- **Figure 5 — Endangered Species Act Documentation**
- **Table 1 — Water Quality Sampling Results**

Appendix B — Laboratory Data Reports
Appendix C — Notice of Intent (NOI) for Remediation General Permit (RGP)
Appendix D — Best Management Practices Plan (BMPP)
Appendix E — Historical Documentation



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environmental
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Phone (978) 470-4755 • Fax (978) 470-4756
www.cooperstownenv.com

Site Locus

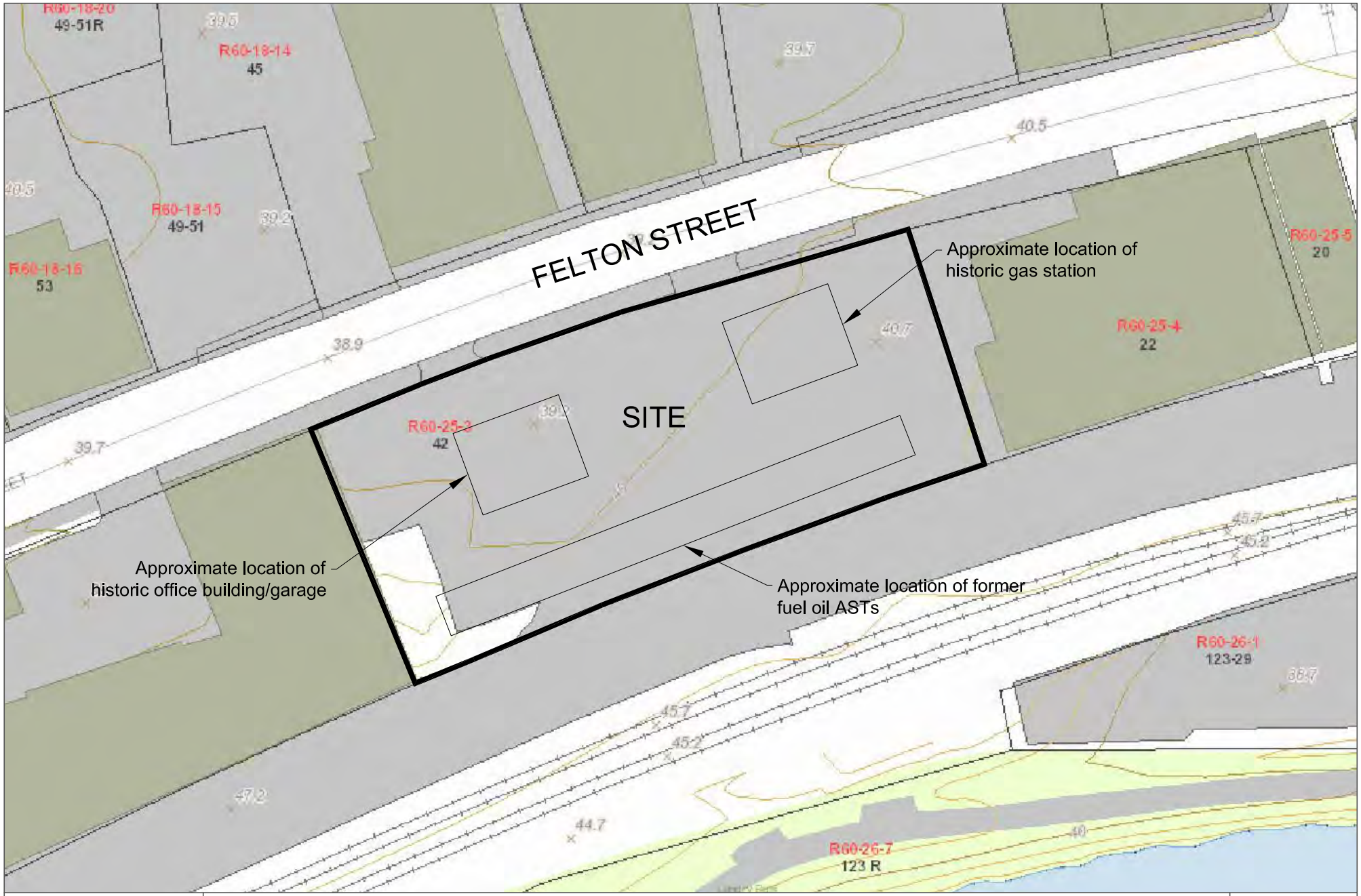
42 Felton Street
Waltham, Massachusetts

SOURCE: USGS

FIGURE 1

N

SCALE: 1"=4000'



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Site Plan

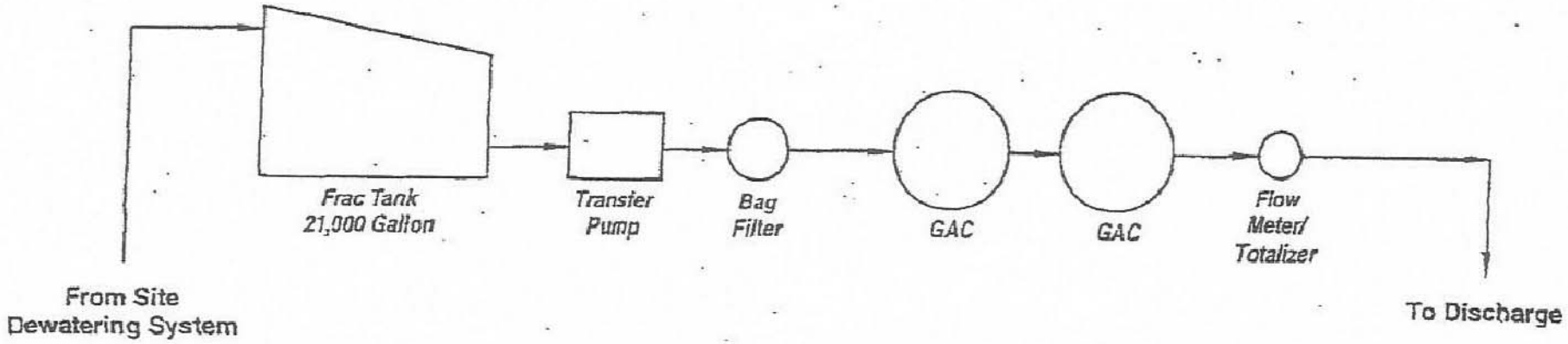
42 Felton Street
Waltham, Massachusetts

SOURCE: City of Waltham; EBI Consulting

FIGURE 2

N

SCALE: 1"=50'



Process Flow Diagram
Dewatering Treatment System (Typical)

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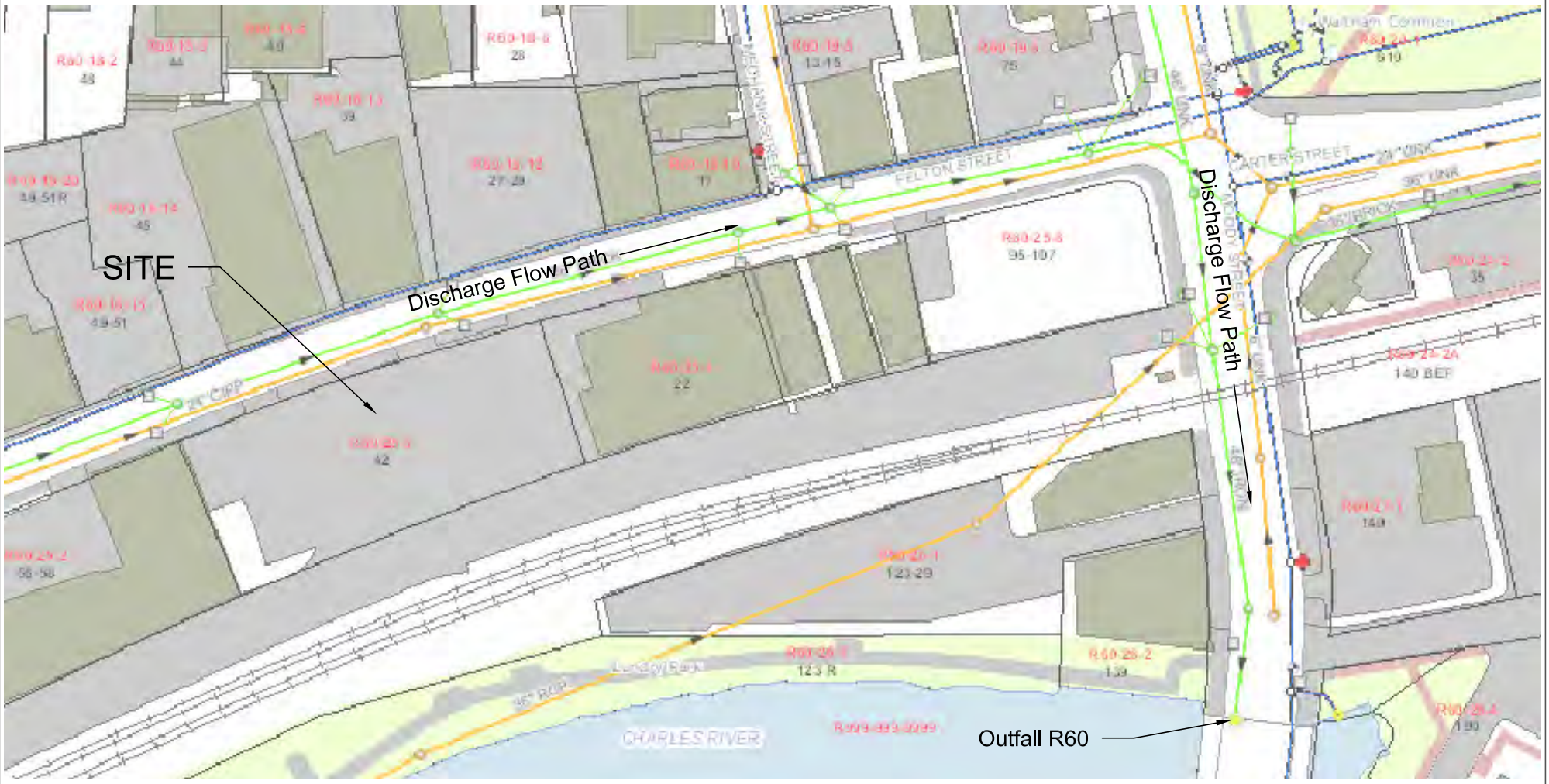
Treatment System Schematic Design

42 Felton Street
Waltham, Massachusetts

SOURCE: Northeast Tank and Environmental Services Inc.

FIGURE 3

NOT TO SCALE



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Discharge Flow Path

42 Felton Street
Waltham, Massachusetts

SOURCE: City of Waltham Geographic Information System, accessed April 23, 2015

FIGURE 4

N

NOT TO SCALE

NHESP Ecoregions

BioMap2 Critical Natural Landscape

BioMap2 Core Habitat

Areas of Critical Environmental Concern ACECs

Detailed Features

Tax Parcels

MassDEP Priority Resource Map

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Endangered Species Act Documentation

42 Felton Street
Waltham, Massachusetts

SOURCE: MassGIS Oliver, accessed April 23, 2015

FIGURE 5

N

SCALE: 1"=50'

Table 1 - Water Quality Data
42 Felton Street, Waltham, Massachusetts

Compound Name	NPDES Effluent Limit (ug/L)	Concentration	Reporting Limit
General Chemistry			
Total Suspended Solids	30000	13000	2000
Total Residual Chlorine	11	30	10
Total Petroleum Hydrocarbons	5	6000	2000
Cyanide	5.2	ND	10
Chloride	-	505000	1000
Total Benzene, Toluene, Ethyle Benzene, and Xylenes (BTEX)	100	ND	1
Benzene	50	ND	1
Toluene	-	ND	1
Ethylbenzene	-	ND	1
(m,p,o) Xylenes	-	ND	1
m & p-Xylene	-	ND	2
o-Xylene	-	ND	1
Volatile Organic Compounds (VOCs)			
Ethylene Dibromide	0.05	ND	1
Ethlene Dibromide	0.05	ND	0.01
tert-Butyl methyl ether	70	ND	1
tert butyl alcohol	-	ND	5
Tert-amyl Methyl Ether	-	ND	1
Naphthalene	20	0.22	0.05
Carbon Tetrachloride	4.4	ND	1
1,2-Dichlorobenzene	600	1	1
1,2-Dichlorobenzene	600	ND	1
1,3-Dichlorobenzene	320	1	1
1,3-Dichlorobenzene	320	ND	1
1,4-Dichlorobenzene	5	1	1
1,4-Dichlorobenzene	5	ND	1
1,1-Dichloroethane	70	ND	1
1,2-Dichloroethane	5	ND	1
1,1-Dichloroethene	3.2	ND	1
cis-1,2-Dichloroethene	70	ND	1
Methylene Chloride	4.6	ND	1
Tetrachloroethene	5	ND	1
1,1,1-Trichloroethane	200	ND	1
1,1,2-Trichloroethane	5	ND	1
Trichloroethene	5	ND	1
Vinyl Chloride	2	ND	1
Acetone	-	ND	5
1,4-dioxane	-	ND	5
Phenol	300	1	1
Pentachlorophenol	1	2	2
Total Phthalates (excluding bis(2-Ethylhexyl)phthalate	3	5	3
Butyl benzyl phthalate	-	1	1
Diethyl phthalate	-	1	1
Dimethyl phthalate	-	1	1
Di-n-butylphthalate	-	2	2
bis(2-Ethylhexyl)phthalate	6	3	3

Notes:
Units are ug/L.
Exceedances of effluent limits highlighted in yellow.
*Compliance limts for Group I PAHs are equal to the minimum level of the test method (0.05).

COOPERSTOWN environmental

Table 1 - Water Quality Data
42 Felton Street, Waltham, Massachusetts

Compound Name	NPDES Effluent Limit (ug/L)	Concentration	Reporting Limit
*Total Group I Polycyclic Aromatic Hydrocarbons (PAH)**	10	1.66	0.05
Benzo(a)anthracene	0.0038	0.26	0.05
Benzo(a)pyrene	0.0038	0.15	0.05
Benzo(b)fluoranthene	0.0038	0.4	0.05
Benzo(k)fluoranthene	0.0038	0.14	0.05
Chrysene	0.0038	0.46	0.05
Dibenz(a,h)anthracene	0.0038	0.05	0.05
Indeno(1,2,3-cd)pyrene	0.0038	0.2	0.05
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100	7.77	0.05
Acenaphthene	Group II	0.2	0.05
Acenaphthylene	Group II	0.16	0.05
Anthracene	Group II	0.4	0.05
Benzo(g,h,i)perylene	Group II	0.17	0.05
Fluoranthene	Group II	1.2	0.05
Fluorene	Group II	0.62	0.05
Naphthalene	20	0.22	0.05
Phenanthrene	Group II	3.4	0.05
Pyrene	Group II	1.4	0.05
Total PCBs	0.000064	ND	0.05
Aroclor 1016	-	ND	0.05
Aroclor 1221	-	ND	0.05
Aroclor 1232	-	ND	0.05
Aroclor 1242	-	ND	0.05
Aroclor 1248	-	ND	0.05
Aroclor 1254	-	ND	0.05
Aroclor 1260	-	ND	0.05
Aroclor 1262	-	ND	0.05
Aroclor 1268	-	ND	0.05
Metals			
Antimony	5.6	ND	3
Arsenic	10	ND	3
Cadmium	0.2	ND	1
Chromium	48.8	ND	1
Chromium(VI)	11.4	ND	10
Copper	5.2	6	5
Lead	1.3	13	1
Mercury	0.9	ND	0.2
Nickel	29	3	1
Selenium	5	ND	1
Silver	1.2	ND	1
Zinc	66.6	6	5
Iron	1000	1040	13

Notes:
Units are ug/L.
Exceedances of effluent limits highlighted in yellow.
*Compliance limts for Group I PAHs are equal to the minimum level of the test method (0.05).

COOPERSTOWN environmental

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number B0409-23

Prepared for:

Cooperstown Environmental
23 Main Street
Andover, MA 01810

Report Date: April 15, 2015

Director
New England Testing Laboratory, Inc.
Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on April 9, 2015. 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 B0409-23.

Custody records are included in this report.

Project: 42 Felton Street

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
GW-02	4/9/15	Water	Table II
SS-08	4/9/15	Soil	Table III
SS-09	4/9/15	Soil	Table III
SS-10	4/9/15	Soil	Table III
SS-11	4/9/15	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPERATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5030	624
Ethylene Dibromide only	5030	504.1
Total Petroleum Hydrocarbon SGT	NA	1664
Phenols	NA	420.1
PCBs	3510C	8082A
Semi Volatile Organic Compounds	3510C	8270D
Total Cyanide	NA	4500-CN-E
Hexavalent Chromium	NA	SM 3500-Cr-B
Trivalent Chromim	NA	SM 3500-Cr-B/6010C
Total Suspended Solids	NA	2540D
Total Residual Chlorine	NA	4500CLG
Chloride	NA	4500-CL-B
Total Metals		
Antimony	3010A	6010C
Arsenic	3010A	6010C
Cadmium	3010A	6010C
Chromium	3010A	6010C
Copper	3010A	6010C
Iron	3010A	6010C
Lead	3010A	6010C
Mercury	3010A	6010C
Nickel	3010A	6010C
Selenium	3010A	6010C
Silver	3010A	6010C
Zinc	3010A	6010C

TABLE III, Analysis and Methods

ANALYSIS	PREPERATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010C
Barium	3050B	6010C
Cadmium	3050B	6010C
Chromium	3050B	6010C
Lead	3050B	6010C
Mercury	3050B	7471A
Selenium	3050B	6010C
Silver	3050B	6010C
Percent Solids	NA	2540G

Methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

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.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semi-volatile Compounds

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria. Two surrogate compounds were recovered outside of method accepted QC limits due to sample matrix interferences.

In order to meet client specified reporting limits, compounds were estimated down to method established MDL limits.

Total Petroleum Hydrocarbons

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Wet Chemistry

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

GW-02

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Chloride	505	1	4/10/15
Cyanide	ND	0.01	4/13/15
Hexavalent Chromium	ND	0.01	4/9/15 @18:15
Trivalent Chromium	ND	0.01	4/16/15
Phenols	ND	0.05	4/14/15
Total Suspended Solids	13	2	4/101/15
Total Residual Chlorine	0.03	0.01	4/9/15 @18:05
Total Petroleum Hydrocarbons	6	2	4/10/15

NA = Not Applicable
ND = Not Detected

SS-08

Parameter	Result, %	Reporting Limit	Date Analyzed
Percent Solids	67.98	NA	4/9/15

SS-09

Parameter	Result, %	Reporting Limit	Date Analyzed
Percent Solids	78.39	NA	4/9/15

SS-10

Parameter	Result, %	Reporting Limit	Date Analyzed
Percent Solids	81.15	NA	4/9/15

SS-11

Parameter	Result, %	Reporting Limit	Date Analyzed
Percent Solids	87.97	NA	4/9/15

NA = Not Applicable
ND = Not Detected

Sample: GW-02		Analyst's Initials: BJ
Case No. B0409-23		
Date Collected: 4/9/15		
Sample Matrix: Water		
Subject: Ethylene Dibromide		
Prep Method: NA	Date Extracted	Date Analyzed
Analytical Method: EPA 504.1	4/14/15	4/15/15
Compound	Concentration, ug/l (ppb)	Reporting Limit
Ethylene Dibromide	ND	0.01

ND = Not Detected

METALS RESULTS

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METALS RESULTS

Case Number: B0409-23
Sample ID: GW-02
Date collected: 04/09/15
Matrix WATER
Sample Type: TOTAL

Analyst SJC/AM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3010A	6010C	ND	0.003	mg/l	4/13/15	4/16/15
Arsenic	7440-38-2	3010A	6010C	ND	0.003	mg/l	4/13/15	4/16/15
Cadmium	7440-43-9	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Chromium	7440-47-3	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Copper	7440-50-8	3010A	6010C	0.006	0.005	mg/l	4/13/15	4/16/15
Iron	7439-89-6	3010A	6010C	1.04	0.013	mg/l	4/13/15	4/16/15
Lead	7439-92-1	3010A	6010C	0.013	0.001	mg/l	4/13/15	4/16/15
Mercury	7439-97-6	NA	7470A	ND	0.0002	mg/l	4/16/15	4/16/15
Nickel	7440-02-0	3010A	6010C	0.003	0.001	mg/l	4/13/15	4/16/15
Selenium	7782-49-2	3010A	3113B	ND	0.001	mg/l	4/13/15	4/16/15
Silver	7440-22-4	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Zinc	7440-66-6	3010A	6010C	0.006	0.005	mg/l	4/13/15	4/16/15

ND indicates Not Detected.

METALS RESULTS

Sample ID: METHOD BLANK
Matrix WATER
Sample Type: Preparation Blank

Analyst SJC/AM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3010A	6010C	ND	0.003	mg/l	4/13/15	4/16/15
Arsenic	7440-38-2	3010A	6010C	ND	0.003	mg/l	4/13/15	4/16/15
Cadmium	7440-43-9	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Chromium	7440-47-3	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Copper	7440-50-8	3010A	6010C	ND	0.005	mg/l	4/13/15	4/16/15
Iron	7439-89-6	3010A	6010C	ND	0.013	mg/l	4/13/15	4/16/15
Lead	7439-92-1	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Mercury	7439-97-6	NA	7470A	ND	0.0002	mg/l	4/16/15	4/16/15
Nickel	7440-02-0	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Selenium	7782-49-2	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Silver	7440-22-4	3010A	6010C	ND	0.001	mg/l	4/13/15	4/16/15
Zinc	7440-66-6	3010A	6010C	ND	0.005	mg/l	4/13/15	4/16/15

ND indicates Not Detected.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Antimony	1.00	1.10	mg/l	110	85	115	4/16/15
Arsenic	0.20	0.21	mg/l	107	85	115	4/16/15
Cadmium	1.00	1.03	mg/l	103	85	115	4/16/15
Chromium	1.00	1.06	mg/l	106	85	115	4/16/15
Copper	1.00	1.03	mg/l	103	85	115	4/16/15
Iron	10.00	10.64	mg/l	106	85	115	4/16/15
Lead	1.00	1.05	mg/l	105	85	115	4/16/15
Mercury	0.001	0.001	mg/l	98	85	115	4/16/15
Nickel	1.00	1.04	mg/l	104	85	115	4/16/15
Selenium	0.02	0.02	mg/l	100	85	115	4/16/15
Silver	0.40	0.39	mg/l	97	85	115	4/16/15
Zinc	1.00	1.02	mg/l	102	85	115	4/16/15

RESULTS: PCBs

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Sample: GW-02		Analyst's Initials: BJ
Case No. B0409-23		
Date Collected: 4/9/15		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	4/13/15	4/14/15
Analytical Method: EPA 8082A		
Compound	Concentration ug/l (ppb)	Reporting Limit ug/l (ppb)
Aroclor-1016	N.D.	0.05
Aroclor-1221	N.D.	0.05
Aroclor-1232	N.D.	0.05
Aroclor-1242	N.D.	0.05
Aroclor-1248	N.D.	0.05
Aroclor-1254	N.D.	0.05
Aroclor-1260	N.D.	0.05
Aroclor-1262	N.D.	0.05
Aroclor-1268	N.D.	0.05
Surrogates:		
Compound	% Recovery	Limits
TCMX	50	30-110
DCBP	32	30-122

N.D. = Not Detected

Sample: Method Blank		Analyst's Initials: BJ
Case No. B0409-23		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	4/13/15	4/14/15
Analytical Method: EPA 8082A		
Compound	Concentration ug/l (ppb)	Reporting Limit ug/l (ppb)
Aroclor-1016	N.D.	0.05
Aroclor-1221	N.D.	0.05
Aroclor-1232	N.D.	0.05
Aroclor-1242	N.D.	0.05
Aroclor-1248	N.D.	0.05
Aroclor-1254	N.D.	0.05
Aroclor-1260	N.D.	0.05
Aroclor-1262	N.D.	0.05
Aroclor-1268	N.D.	0.05
Surrogates:		
Compound	% Recovery	Limits
TCMX	77	30-110
DCBP	90	30-122

N.D. = Not Detected

PCB Laboratory Control Spike

Sample Matrix: Water				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3510C	4/13/15			4/14/15
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.495	99	40-130
Aroclor 1260	0.500	0.532	106	41-132
Surrogates:				
Compound	% Recovery	Limits		
TCMX	87	30-110		
DCBP	100	30-122		

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

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1B EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

GW-02

Lab Name: New England Testing Lab Contract: 42 Felton St

Lab Code: RI010 Case No.: B0409-23 SAS No.: Cooperstо SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: GW-02

Sample wt/vol: 2000 (g/ml) ML Lab File ID: B041015.D

Level: (low/med) LOW Date Received: 4/9/2015

% Moisture: decanted:(Y/N) N Date Extracted: 4/10/2015

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/10/2015

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
91-20-3	Naphthalene	0.22	
91-57-6	2-Methylnaphthalene	0.15	
131-11-3	Dimethyl phthalate	1.0	U
208-96-8	Acenaphthylene	0.16	
83-32-9	Acenaphthene	0.20	
132-64-9	Dibenzofuran	0.32	
84-66-2	Diethyl phthalate	1.0	U
86-73-7	Fluorene	0.62	
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	3.4	
120-12-7	Anthracene	0.40	
84-74-2	Di-n-butylphthalate	2.0	U
206-44-0	Fluoranthene	1.2	
129-00-0	Pyrene	1.4	
85-68-7	Butyl benzyl phthalate	1.0	U
56-55-3	Benzo(a)anthracene	0.26	
218-01-9	Chrysene	0.46	
117-81-7	bis(2-Ethylhexyl)phthalate	3.0	U
205-99-2	Benzo(b)fluoranthene	0.40	
207-08-9	Benzo(k)fluoranthene	0.14	
50-32-8	Benzo(a)pyrene	0.15	
53-70-3	Dibenz(a,h)anthracene	0.05	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	
191-24-2	Benzo(g,h,i)perylene	0.17	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BSW041015

Lab Name: New England Testing Lab Contract: 42 Felton St

Lab Code: RI010 Case No.: B0409-23 SAS No.: SDG No.: Coopersto

Matrix: (soil/water) WATER Lab Sample ID: BSW041015

Sample wt/vol: 2000 (g/ml) ML Lab File ID: B041011.D

Level: (low/med) LOW Date Received: 4/9/2015

% Moisture: decanted:(Y/N) N Date Extracted: 4/10/2015

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/10/2015

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
91-20-3	Naphthalene	0.05	U
91-57-6	2-Methylnaphthalene	0.05	U
131-11-3	Dimethyl phthalate	1.0	U
208-96-8	Acenaphthylene	0.05	U
83-32-9	Acenaphthene	0.05	U
132-64-9	Dibenzofuran	0.05	U
84-66-2	Diethyl phthalate	1.0	U
86-73-7	Fluorene	0.05	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.05	U
120-12-7	Anthracene	0.05	U
84-74-2	Di-n-butylphthalate	2.0	U
206-44-0	Fluoranthene	0.05	U
129-00-0	Pyrene	0.05	U
85-68-7	Butyl benzyl phthalate	1.0	U
56-55-3	Benzo(a)anthracene	0.05	U
218-01-9	Chrysene	0.05	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.0	U
205-99-2	Benzo(b)fluoranthene	0.05	U
207-08-9	Benzo(k)fluoranthene	0.05	U
50-32-8	Benzo(a)pyrene	0.05	U
53-70-3	Dibenz(a,h)anthracene	0.05	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U
191-24-2	Benzo(g,h,i)perylene	0.05	U

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: 42 Felton Street

Lab Code: RI010 Case No.: B0409-23 SAS No.: SDG No.: Coopersto

	EPA SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	BSW041015	41	25	101	104	115	127	0
02	LSW041015	40	25	100	104	118	120	0
03	GW-02	29	17	112	103	139 *	137 *	2

QC LIMITS

S1	=	2-Fluorophenol	(10-81)
S2	=	Phenol-d6	(10-83)
S3	=	Nitrobenzene-d5	(30-130)
S4	=	2-Fluorobiphenyl	(35-130)
S5	=	2,4,6-Tribromophenol	(44-120)
S6	=	Terphenyl-d14	(50-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

Semivolatile Water Laboratory Control Spike

Date Extracted: 4/10/2015
Date Analyzed: 4/10/2015

	Amount Spiked ug/L	Result, ug/L	Recovery %	Lower Recovery Limit	Upper Recovery Limit
Phenol	50.0	10.7	21	10	67
1,3-Dichlorobenzene	50.0	37.3	75	26	87
1,4-Dichlorobenzene	50.0	37.6	75	26	89
1,2-Dichlorobenzene	50.0	38.6	77	27	92
Naphthalene	50.0	41.6	83	27	104
2-Methylnaphthalene	50.0	43.2	86	27	104
Dimethyl phthalate	50.0	47.7	95	40	119
Acenaphthylene	50.0	44.8	90	35	113
Acenaphthene	50.0	48.0	96	34	130
Dibenzofuran	50.0	45.4	91	36	116
Diethyl phthalate	50.0	49.3	99	39	121
Fluorene	50.0	47.5	95	40	130
Pentachlorophenol	50.0	53.0	106	30	130
Phenanthrene	50.0	49.0	98	48	115
Anthracene	50.0	50.0	100	45	121
Di-n-butylphthalate	50.0	53.2	106	38	130
Fluoranthene	50.0	49.7	99	48	122
Pyrene	50.0	49.5	99	45	130
Butyl benzyl phthalate	50.0	49.5	99	34	130
Benzo(a)anthracene	50.0	48.9	98	52	117
Chrysene	50.0	50.8	102	47	130
bis(2-Ethylhexyl)phthalate	50.0	50.3	101	33	130
Benzo(b)fluoranthene	50.0	50.1	100	45	130
Benzo(k)fluoranthene	50.0	49.6	99	46	130
Benzo(a)pyrene	50.0	50.4	101	46	130
Indeno(1,2,3-cd)pyrene	50.0	51.3	103	41	130
Dibenz(a,h)anthracene	50.0	50.5	101	48	130
Benzo(g,h,i)perylene	50.0	50.9	102	36	130

RESULTS: VOLATILE ORGANIC COMPOUNDS

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: B0409-23
Method: 624
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MM

Client Name: Cooperstown Environme
Lab Sample ID: GW-02
Lab File ID: C041064.D
Date Sampled: 4/9/2015
Date Analyzed: 4/11/2015
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
106-93-4	Ethylene Dibromide	1.0	U
108-88-3	Toluene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
75-65-0	tert butyl alcohol	5.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
994-05-8	Tert-amyl Methyl Ether	1.0	U
637-92-3	Ethyl Tert-butyl ether	1.0	U

Surrogates:

Compound	% Recovery	Limits
Toluene d8	95	70-130
1,2-Dichloroethabne d4	95	70-130
4 BFB	95	70-130

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

Sample:GW-02

Case No. B0409-23
Date Analyzed: 4/13/15

Subject: Volatile Organic Compounds
Method: EPA 8260C

Compound	Concentration ug/L (ppb)	Reporting Limit
1,4-Dioxane	ND	5.0

Surrogates:

Compound	% Recovery	Limits
4 BFB	109	70-130

METALS RESULTS

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New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: B0409-23
Sample ID: SS-08
Date collected: 4/9/15
Matrix SOIL
Solids, % 67.98 SJC/AM
Sample Type: Total

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	6.93	0.94	mg/kg	4/10/15	4/15/15
Barium	7440-39-3	3050B	6010C	113	0.47	mg/kg	4/10/15	4/15/15
Cadmium	7440-43-9	3050B	6010C	19.9	0.47	mg/kg	4/10/15	4/15/15
Chromium	7440-47-3	3050B	6010C	22.5	0.47	mg/kg	4/10/15	4/15/15
Lead	7439-92-1	3050B	6010C	340	0.47	mg/kg	4/10/15	4/15/15
Mercury	7439-97-6	NA	7471B	2.09	0.960	mg/kg	4/14/15	4/14/15
Selenium	7782-49-2	3050B	6010C	ND	0.94	mg/kg	4/10/15	4/15/15
Silver	7440-22-4	3050B	6010C	ND	0.47	mg/kg	4/10/15	4/15/15

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: B0409-23
Sample ID: SS-09
Date collected: 4/9/15
Matrix SOIL
Solids, % 78.39 SJC/AM
Sample Type: Total

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	9.79	0.81	mg/kg	4/10/15	4/15/15
Barium	7440-39-3	3050B	6010C	157	0.40	mg/kg	4/10/15	4/15/15
Cadmium	7440-43-9	3050B	6010C	1.89	0.40	mg/kg	4/10/15	4/15/15
Chromium	7440-47-3	3050B	6010C	31.7	0.40	mg/kg	4/10/15	4/15/15
Lead	7439-92-1	3050B	6010C	289	0.40	mg/kg	4/10/15	4/15/15
Mercury	7439-97-6	NA	7471B	1.13	0.784	mg/kg	4/14/15	4/14/15
Selenium	7782-49-2	3050B	6010C	ND	0.81	mg/kg	4/10/15	4/15/15
Silver	7440-22-4	3050B	6010C	ND	0.40	mg/kg	4/10/15	4/15/15

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: B0409-23
Sample ID: SS-10
Date collected: 4/9/15
Matrix SOIL
Solids, % 81.15 SJC/AM
Sample Type: Total

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	5.41	0.77	mg/kg	4/10/15	4/15/15
Barium	7440-39-3	3050B	6010C	138	0.38	mg/kg	4/10/15	4/15/15
Cadmium	7440-43-9	3050B	6010C	0.844	0.38	mg/kg	4/10/15	4/15/15
Chromium	7440-47-3	3050B	6010C	9.62	0.38	mg/kg	4/10/15	4/15/15
Lead	7439-92-1	3050B	6010C	645	0.38	mg/kg	4/10/15	4/15/15
Mercury	7439-97-6	NA	7471B	ND	0.787	mg/kg	4/14/15	4/14/15
Selenium	7782-49-2	3050B	6010C	ND	0.77	mg/kg	4/10/15	4/15/15
Silver	7440-22-4	3050B	6010C	ND	0.38	mg/kg	4/10/15	4/15/15

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: B0409-23
Sample ID: SS-11
Date collected: 4/9/15
Matrix SOIL
Solids, % 87.97 SJC/AM
Sample Type: Total

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	4.19	0.72	mg/kg	4/10/15	4/15/15
Barium	7440-39-3	3050B	6010C	64.3	0.36	mg/kg	4/10/15	4/15/15
Cadmium	7440-43-9	3050B	6010C	1.55	0.36	mg/kg	4/10/15	4/15/15
Chromium	7440-47-3	3050B	6010C	11.1	0.36	mg/kg	4/10/15	4/15/15
Lead	7439-92-1	3050B	6010C	217	0.36	mg/kg	4/10/15	4/15/15
Mercury	7439-97-6	NA	7471B	0.665	0.075	mg/kg	4/10/15	4/10/15
Selenium	7782-49-2	3050B	6010C	ND	0.72	mg/kg	4/10/15	4/15/15
Silver	7440-22-4	3050B	6010C	ND	0.36	mg/kg	4/10/15	4/15/15

ND indicates Not Detected.

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100 SJC/AM
Sample Type: Total

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010C	ND	0.67	mg/kg	4/10/15	4/15/15
Barium	7440-39-3	3050B	6010C	ND	0.33	mg/kg	4/10/15	4/15/15
Cadmium	7440-43-9	3050B	6010C	ND	0.33	mg/kg	4/10/15	4/15/15
Chromium	7440-47-3	3050B	6010C	ND	0.33	mg/kg	4/10/15	4/15/15
Lead	7439-92-1	3050B	6010C	ND	0.33	mg/kg	4/10/15	4/15/15
Mercury	7439-97-6	NA	7471B	ND	0.067	mg/kg	4/10/15	4/10/15
Mercury	7439-97-6	NA	7471B	ND	0.067	mg/kg	4/14/15	4/14/15
Selenium	7782-49-2	3050B	6010C	ND	0.67	mg/kg	4/10/15	4/15/15
Silver	7440-22-4	3050B	6010C	ND	0.33	mg/kg	4/10/15	4/15/15

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	13.7	mg/kg	103	85	115	4/15/15
Barium	66.7	64.8	mg/kg	97	85	115	4/15/15
Cadmium	66.7	64.7	mg/kg	97	85	114	4/15/15
Chromium	66.7	65.6	mg/kg	98	85	115	4/15/15
Lead	66.7	69.1	mg/kg	104	85	115	4/15/15
Mercury	0.133	0.133	mg/kg	100	85	115	4/10/15
Mercury	0.133	0.136	mg/kg	102	85	115	4/14/15
Selenium	13.3	14.3	mg/kg	107	85	115	4/15/15
Silver	26.6	25.1	mg/kg	94	85	115	4/15/15
Zinc	66.7	67.7	mg/kg	102	85	115	4/15/15

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

B0409-23

CHAIN OF CUSTODY RECORD

PROJ. NO.

PROJECT NAME/LOCATION: 42 FELTON STREET

CLIENT: COOPERSTOWN ENVIRONMENTAL

REPORT TO: RICHARD@COOPERSTOWNENV.COM

INVOICE TO: LARA@COOPERSTOWNENV.COM

DATE	TIME	COMP	GRAB	SAMPLE I.D.	AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS** (SEE REMARKS)	TCLP 8 METALS	% SOLIDS	REMARKS
4/9/15	9:10		✓	GW-02	✓			14		✓			ATTACHED NJDES PARAMETERS AND TEST METHODS AND MINIMAL LEVELS FOR POLLUTANTS
↓	↓		✓	SS-08		✓		1			✓	✓	
			✓	SS-09		✓		1			✓	✓	
			✓	SS-10		✓		1			✓	✓	
			✓	SS-11		✓		1			✓	✓	

	Date/Time		Date/Time	
Sampled by: (Signature)	4/9/15 9:00	Received by: (Signature)	4/9/15	15:30
Relinquished by: (Signature)	4/9/15 11:00	Received by: (Signature)	4/9/15	15:30
Relinquished by: (Signature)	4/9/15 17:50	Received for Laboratory by: (Signature)	4/9/15	17:50

Laboratory Remarks: Temp. received: 4°C
Cooled ✓

Special Instructions:
List Specific Detection Limit Requirements:

Turnaround (Business Days) STD / 5 DAYS

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

a) Name of **facility/site**: 42 Felton Street		**Facility/site** address: 42		
Location of **facility/site**: longitude: -71.238655 latitude: 42.374347	Facility SIC code(s): N/A	Street: Felton Street		
b) Name of **facility/site owner:** LeBlanc Property Holdings LLC		Town: Waltham		
Email address of owner: djleblancinc@comcast.net		State: MA	Zip: 02453	County:
Telephone no.of facility/site **owner**: 781-893-2600				
Fax no. of facility/site **owner**: N/A		**Owner** is (check one): 1. Federal____ 2. State/Tribal_____ 3. Private__✓___ 4. other, if so, describe:		
Address of **owner** (if different from site): 36				
Street: Juniper Hill Road				
Town: Waltham	State: MA	Zip: 02452	County: Middlesex	
c) Legal name of **operator**: LeBlanc Property Holdings LLC	**Operator** telephone no: 781-893-2600			
	Operator fax no.: N/A		**Operator** email: djleblancinc@comcast.net	
Operator contact name and title: Dan LeBlanc, President				
Address of **operator** (if different from owner):	Street: 36 Juniper Hill Road			
Town: Waltham	State: MA	Zip: 02452	County: Middlesex	

d) Check "yes" or "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No✓, if "yes," number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No✓, if "yes," date and tracking #:
3. Is the discharge a "new discharge"as defined by 40 CFR 122.2? Yes✓ No___
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes✓ No__

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No_✓_ If "yes," please list: 1. site identification # assigned by the state of NH or MA: 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number:	f) Is the site/facility covered by any other EPA permit, includ 1. multi-sector storm water general permit? Y___ N✓__, if 2. phase I or II construction storm water general permit? Y if Y, number: 3. individual NPDES permit? Y___ N✓__, if Y, number: 4. any other water quality related permit? Y___ N✓__, if

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

Construction dewatering

b) Provide the following information about each discharge:	1) Number of discharge points: 1	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 0.089 Average flow 0.067 Is maximum flow a **design value**? Y___ N✓ For average flow, include the units and appropriate notation if this value is a design value or estimate if not avail

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. -71.238655 lat. 42.374347; pt.2: long._____ lat._____; pt.3: long._____ lat.___
pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____

4) If hydrostatic testing, total volume of the discharge (gals): N/A	5) Is the discharge intermittent✓or seasonal_____? Is discharge ongoing Yes____ No✓?__

c) Expected dates of discharge (mm/dd/yy): start 05/10/15 end 12/10/15

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analy of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be use i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: W Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provi analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge fall

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants ✓	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** discharge. Attach additional sheets as needed.

PARAMETER	**Believe Absent**	**Believe Present**	**# of Samples (1 min-imum)**	**Type of Sample (e.g., grab)**	**Analytical Method Used (method #)**	**Minimum Level (ML) of Test Method**	**Maximum daily value**		**Avg. daily val**	
							concentration (ug/l)	**mass (kg)**	**concentration (ug/l)**	
1. Total Suspended Solids		✓	1	Grab	2540D	2000	13000	2.83		
2. Total Residual Chlorine		✓	1	Grab	4500CLG	10	30	0.0065		
3. Total Petroleum Hydrocarbons		✓	1	Grab	1664	2000	6000	1.31		
4. Cyanide	✓		1	Grab	4500CNE	10				
5. Benzene	✓		1	Grab	624	1				
6. Toluene	✓		1	Grab	624	1				
7. Ethylbenzene	✓		1	Grab	624	1				
8. (m,p,o) Xylenes	✓		1	Grab	624	2				
9. Total BTEX[4]	✓		1	Grab	624	2				

[4] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily val	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	
10. Ethylene Dibromide [5] (1,2- Dibromo-methane)	✓		1	Grab	624	1				
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	624	1				
12. tert-Butyl Alcohol (TBA)	✓		1	Grab	624	5				
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	624	1				
14. Naphthalene	✓		1	Grab	624	1				
15. Carbon Tetra-chloride	✓		1	Grab	624	1				
16. 1,4 Dichlorobenzene		✓	1	Grab	8270D	1	1	0.0002		
17. 1,2 Dichlorobenzene	✓		1	Grab	624	1				
18. 1,3 Dichlorobenzene		✓	1	Grab	8270D	1	1	0.0002		
19. 1,1 Dichloroethane	✓		1	Grab	624	1				
20. 1,2 Dichloroethane	✓		1	Grab	624	1				
21. 1,1 Dichloroethylene	✓		1	Grab	624	1				
22. cis-1,2 Dichloro-ethylene	✓		1	Grab	624	1				
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	624	1				
24. Tetrachloroethylene	✓		1	Grab	624	1				

[5] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. da	
							concentration (ug/l)	mass (kg)	concentrat (ug/l)	
25. 1,1,1 Trichloroethane	✓		1	Grab	624	1				
26. 1,1,2 Trichloroethane	✓		1	Grab	624	1				
27. Trichloroethylene	✓		1	Grab	624	1				
28. Vinyl Chloride	✓		1	Grab	624	1				
29. Acetone	✓		1	Grab	624	5				
30. 1,4 Dioxane	✓		1	Grab	8260C	5				
31. Total Phenols	✓		1	Grab	420.1	50				
32. Pentachlorophenol		✓	1	Grab	8270D	2	2	0.0004		
33. Total Phthalates [6] (Phthalate esthers)		✓	1	Grab	8270D	3	8	0.0017		
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]		✓	1	Grab	8270D	3	3	0.0007		
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		✓	1	Grab	8270D	0.05	1.66	0.0004		
a. Benzo(a) Anthracene		✓	1	Grab	8270D	0.05	0.26	0.0001		
b. Benzo(a) Pyrene		✓	1	Grab	8270D	0.05	0.15	0.0000		
c. Benzo(b)Fluoranthene		✓	1	Grab	8270D	0.05	0.40	0.0001		
d. Benzo(k) Fluoranthene		✓	1	Grab	8270D	0.05	0.14	0.0000		
e. Chrysene		✓	1	Grab	8270D	0.05	0.46	0.0001		

[6] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avera	
							concentration (ug/l)	mass (kg)	concentrat (ug/l)	
f. Dibenzo(a,h) anthracene		✓	1	Grab	8270D	0.05	0.05	0.0000		
g. Indeno(1,2,3-cd) Pyrene		✓	1	Grab	8270D	0.05	0.20	0.0000		
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		✓	1	Grab	8270D	0.05	7.77	0.0015		
h. Acenaphthene		✓	1	Grab	8270D	0.05	0.20	0.0000		
i. Acenaphthylene		✓	1	Grab	8270D	0.05	0.16	0.0000		
j. Anthracene		✓	1	Grab	8270D	0.05	0.40	0.0001		
k. Benzo(ghi) Perylene		✓	1	Grab	8270D	0.05	0.17	0.0000		
l. Fluoranthene		✓	1	Grab	8270D	0.05	1.20	0.0003		
m. Fluorene		✓	1	Grab	8270D	0.05	0.62	0.0001		
n. Naphthalene-		✓	1	Grab	8270D	0.05	0.22	0.0000		
o. Phenanthrene		✓	1	Grab	8270D	0.05	3.40	0.0007		
p. Pyrene		✓	1	Grab	8270D	0.05	1.40	0.0003		
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	Grab	8082A	0.05				
***3*8. Antimony**	✓		1	Grab	6010C	3				
39. Arsenic	✓		1	Grab	6010C	3				
40. Cadmium	✓		1	Grab	6010C	1				
41. Chromium III	✓		1	Grab	6010C	1				
42. Chromium VI	✓		1	Grab	6010C	1				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily val	
							concentration (ug/l)	**mass** (kg)	**concentration** (ug/l)	
43. Copper		✓	1	Grab	6010C	5	6	0.0013		
44. Lead		✓	1	Grab	6010C	1	13	0.0028		
45. Mercury	✓		1	Grab	7470A	0.2				
46. Nickel		✓	1	Grab	6010C	1	3	0.0007		
47. Selenium	✓		1	Grab	3113B	1				
48. Silver	✓		1	Grab	6010C	1				
49. Zinc		✓	1	Grab	6010C	5	6	0.0013		
50. Iron		✓	1	Grab	6010C	13	1040	0.2267		
Other (describe):										

c) For discharges where **metals** are believed present, please fill out the following:

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y_✓_ N____	If yes, which metals? Copper, Lead, Iron
Step 2: For any metals which have **reasonable potential** to exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: Copper, Lead, Iron DF: 1.01	Look up the limit calculated at the corresponding dilutio **Appendix IV.** Do any of the metals in the **infl** exceed the corresponding **effluent** limits in Appendix IV (i.e., i influent concentration above the limit set at the cal factor)? Y_✓_ N___ If "Yes," list which metals: Copper,

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✓	Air stripper	Oil/water separator ✓	Equalization tanks	Bag filter	
	Chlorination	Dechlorination	Other (please describe):			
c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the tre Average flow rate of discharge 30 Maximum flow rate of treatment system 40 Design flow rate of treatment system 40						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets):						

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct_____	Within facility__	Storm drain ✓	River/brook____	Wetlands_____	
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: GAC to surface drain on Felton St (36" brick); Felton at 0.20% to Moody St drain (48" iron); Moody St to Charles River at 0.75%						
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.						
d) Provide the state water quality classification of the receiving water Class B - warm water fishery,						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 14.3 cfs Please attach any calculation sheets used to support stream flow and dilution calculations.						
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes ✓ No____ If yes, for which pollutant(s)? Macrophyte Is there a TMDL? Yes ✓ No____ If yes, for which pollutant(s)? pathogens, nutrients						

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____ No ✓
Has any consultation with the federal services been completed ? Yes___ No ✓ or is consultation underway? Yes ____ No ✓
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes ✓ No_____ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No ✓

7. Supplemental information. :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

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 gather and evaluate 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, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: 42 Felton Street

Operator signature:

Title: Owner

Date: 4-23-15

BEST MANAGEMENT PRACTICES PLAN

This Best Management Practices Plan (BMPP) has been prepared in support of a Notice of Intent (NOI) for a Remediation General Permit (RGP), submitted to the U.S. Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES), for construction dewatering to be undertaken for a site located at 42 Felton Street in Waltham, Massachusetts. A site locus is provided in **Figure 1**, and a site plan showing structures previously existing on the property is provided in **Figure 2**.

This BMPP includes an overview of the following best management practices (BMPs):

- Water treatment and management;
- Effluent monitoring;
- System operation and maintenance;
- Waste management; and
- Site security.

A copy of this BMPP will be available at the site throughout the duration of the permitted activities associated with the RGP.

WATER TREATMENT AND MANAGEMENT

Groundwater and precipitation have collected within the excavation and are required to be removed for construction purposes. Other than that which collects within the footprint of the excavation, stormwater is not anticipated to drain into the excavation due to erosion control measures and the nature of the slopes concurrent to the site. Furthermore, no additional sources of contamination are expected to be present, and staging related to construction will be completed in such a way to limit its potential impact on the water.

The water within the excavation has been sampled and characterized as required by the RGP. As no additional sources of contamination are expected to impact the water, the sampling that has been completed is believed to be representative of water to be treated and discharged under the RGP, and the sampling results were also used to design the treatment system.

Water will be transferred from the base of the excavation to the treatment system using sump pumps, installed below grade and within the limits of excavation. The location of the sumps will be determined by the excavation contactor.

While the final design of the treatment system will be determined by the water treatment contractor, the dewatering treatment system will include fractionation tank(s), bag filter(s), and granular activated carbon (GAC) treatment unit(s), as shown in **Figure 3**. If needed, additional treatment will be included in order to meet the effluent limits established by the RGP for the site.

After treatment, water will be discharged to the storm drain in Felton Street, as shown in **Figure 4**. From this discharge point, water will flow through the main in Felton Street to the main in Moody Street, which discharges into the Charles River.

EFFLUENT MONITORING

Effluent monitoring will be conducted as required for compliance with the RGP, and will include the following:

- Sample collection and analysis of influent and effluent;
- Routine assessment of treatment system efficacy (as determined by results of sample analysis);
- Verification of discharge flow path;
- Documentation of daily flow rates (as measured by the system flow meter); and
- Calculation of daily discharge quantities and total monthly flow.

Monitoring reports documenting the above monitoring activities will be compiled monthly, and will be available at the site throughout the duration of the permitted activities associated with the RGP.

SYSTEM OPERATION AND MAINTENANCE

System maintenance will be conducted in order to ensure that the treatment system is operated as designed and in compliance with the RGP. System maintenance will include the following:

- Routine inspection and documentation of the condition of treatment system components, including fractionation tank(s), bag filter(s), GAC treatment unit(s), hose(s), pump(s), flow meter(s), valve(s), and any other relevant components; and
- Maintenance of treatment system components, including but not limited to replacing spent bag filter(s) and GAC treatment unit(s), and repairing or replacing other components as needed due to routine use.

The treatment system will be maintained and operated in a manner that achieves compliance with the RGP by individuals who have been trained to do so.

WASTE MANAGEMENT

Waste materials generated during the operation of the treatment system will include the following:

- Sediment collected within the fractionation tank;
- Spent bag filter(s); and
- Spent GAC treatment unit(s).

Sediment collected within the fractionation tank will be handled as soil. Namely, the sediment will be sampled and analyzed for the full disposal characterization suite, as required by disposal facilities. Based on the results of the laboratory analysis, an appropriate disposal facility will be selected and the sediment will be handled in accordance with the applicable laws and regulations.

Similarly, any spent bag filter(s) and/or GAC treatment unit(s) will be disposed of in accordance with the applicable laws and regulations. Namely, these items will be drummed and transported to an appropriate disposal facility under waste manifest procedures.

SITE SECURITY

During construction, the site is fenced, and all gates are locked. The treatment system will be staged within the limits of the construction site and will therefore be secured in the same manner.

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Waltham; Street Name: Felton; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

Inv. No.	Property Name	Street	Town	Year
WLT.492	Boston Manufacturing Company Agent's House	13-15 Felton St	Waltham	c 1820
WLT.498	Swift and Armour Meat Storehouse	20 Felton St	Waltham	r 1890
WLT.497	Barnes, Gillum Lumber Yard - Waltham Iron Foundry	56 Felton St	Waltham	c 1851
WLT.1014	Buttrick, Frederick Streamsaw and Planing Mill	58 Felton St	Waltham	c 1851
WLT.467	Waltham Water Works Shop	92 Felton St	Waltham	1894
WLT.464		99 Felton St	Waltham	r 1920
WLT.466	Hobbs Machine Shop - Superior Corumdun Wheel Co	100-102 Felton St	Waltham	1871
WLT.465	Block, The	120 Felton St	Waltham	r 1920
WLT.462	Pagliazzo Building	123 Felton St	Waltham	r 1915
WLT.463		139 Felton St	Waltham	r 1920
WLT.913	Boston and Maine Signal Bridge	Moody St	Waltham	1930

National Register of Historic Places
National Register Documentation on Listed Properties
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Reference	City	Resource	Address	Listed
89001501	Waltham	American Waltham Watch Company Historic District	185--241 Crescent St.	19890928
89001574	Waltham	American Watch Tool Company	169 Elm St.	19890928
89001554	Waltham	Andrews, Joseph, House	258 Linden St.	19890928
89001484	Waltham	Baker, Charles, House	107 Adams St.	19890928
89001485	Waltham	Baker, Charles, Property	119--121 Adams St.	19890928
89001488	Waltham	Banks, E. Sybbill, House	27 Appleton St.	19890928
89001529	Waltham	Beard, Josiah, House	70 School St.	19890928
89001544	Waltham	Beth Eden Baptist Church	82 Maple St.	19890928
77001412	Waltham	Boston Manufacturing Company	144 Moody St.	19771222
89001534	Waltham	Boston Manufacturing Company Housing	380--410 River St.	19890928
89001535	Waltham	Boston Manufacturing Company Housing	153--165 River St.	19890928
89001551	Waltham	Brigham House	235 Main St.	19890928
89001493	Waltham	Building at 202--204 Charles Street	202--204 Charles St.	19890928
89001566	Waltham	Buttrick, Francis, House	44 Harvard St.	19890928
89001547	Waltham	Buttrick, Francis, Library	741 Main St.	19890928
89001576	Waltham	Byam, Charles, House	337 Crescent St.	19890928
79000359	Waltham	Castle, The	415 South St.	19790409
89001526	Waltham	Central Square Historic District	Roughly bounded by Church, Carter, Moody, Main and Lexington Sts.	19890928
89001503	Waltham	Charles Street Workers' Housing Historic District	128--144 Charles St.	19890928
89001546	Waltham	Christ Episcopal Church	750 Main St.	19890928
89001536	Waltham	Clough, Benjamin F., House	42--44 Prospect St.	19890928
89001578	Waltham	Colburn, Gilbert, House	110--112 Crescent St.	19890928
89001571	Waltham	Company F State Armory	Curtis and Sharon Sts.	19890928
89001487	Waltham	Dow, Lenoir, House	215 Adams St.	19890928
89001517	Waltham	Dunbar--Stearns House	209 Linden St.	19900309
89001498	Waltham	East Main Street Historic District	Roughly E. Main St. from Townsend St. to Chamberlain Ter.	19890928
89001516	Waltham	Eastern Middlesex County Second District Court	38 Linden St.	19890928
93001487	Waltham	Fernald, Walter E., State School	200 Trapelo Rd.	19940121
89001548	Waltham	First Congregational Church	730 Main St.	19890928
89001507	Waltham	First Parish Church	87 School St.	19890928
89001577	Waltham	Fisher, Henry N., House	120 Crescent St.	19890928
89001514	Waltham	Fiske, Elijah, House	457 Lincoln St.	19890928
89001489	Waltham	Fitch, Ezra, School	10 Ash St.	19890928
89001573	Waltham	Flagg, Frederick, House	65 Fairmont Ave.	19890928
89001581	Waltham	French, Daniel, School	38--40 Common St.	19890928
89001495	Waltham	Fuller--Bemis House	41--43 Cherry St.	19900309

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89001545	Waltham	Gale--Banks House	935 Main St.	19900309
89001561	Waltham	Gibbs, William, House	14 Liberty St.	19890928
89001550	Waltham	Gilbrae Inn	403 River St.	19890928
70000542	Waltham	Gore Place	52 Gore St.	19701230
89001549	Waltham	Grove Hill Cemetery	290 Main St.	19890928
89001532	Waltham	Hagar--Smith--Livermore--Sanderson House	51 Sanders Ln.	19890928
89001572	Waltham	Hager--Mead House	411 Main St.	19890928
89001579	Waltham	Hall, Henry C., House	107 Crescent St.	19890928
89001490	Waltham	Hammond, Ephraim, House	265 Beaver St.	19890928
89001491	Waltham	Hammond, Jonathan, House	311 Beaver St.	19890928
89001562	Waltham	Hardy, Nahum, House	724 Lexington St.	19890928
89001543	Waltham	Harrington Block	376--390 Moody St.	19890928
89001508	Waltham	Harrington, Samuel, House	475 South St.	19890928
89001528	Waltham	Hill, Rev. Thomas, House	132 Church St.	19890928
89001524	Waltham	Hobbs Brook Basin Gate House	Off Winter St. at mouth of Hobbs Brook	19890928
89001565	Waltham	Holbrook, Richard, Houses	29--31 Heard St.	19890928
89001522	Waltham	Johnson, Edwin C., House	177 Weston St./8 Caldwell St.	19890928
89001564	Waltham	Johnson, Newell D., House	428 Lexington St.	19890928
87001397	Waltham	Lawrence, Phineas, House	257 Trapelo Rd.	19870820
89001504	Waltham	Lawton Place Historic District	Lawton Pl. between Amory Rd. and Jackson St.	19890928
89001521	Waltham	Libby, Nelson F., House	147--149 Weston St.	19890928
89001515	Waltham	Linden Street Bridge	Boston & Maine Railroad over Linden St.	19890928
89001567	Waltham	Lord's Castle	211 Hammond St.	19890928
89001505	Waltham	Lyman Street Historic District	Roughly Lyman St. from Church to Main Sts.	19890928
89001540	Waltham	Martin, Aaron, House	786 Moody St.	19890928
89001486	Waltham	Martin, Aaron, Houses	188--194 Adams St.	19890928
93001482	Waltham	Metropolitan State Hospital	475 Trapelo Rd.	19940121
89001541	Waltham	Moody Street Fire Station	533 Moody St.	19890928
89001502	Waltham	Moody Street Historic District	Moody and Crescent Sts.	19900309
89001497	Waltham	Mount Feake Cemetery	203 Prospect St.	19890928
89001525	Waltham	Mt. Prospect School for Boys	90 Worcester Ln.	19900309
89001580	Waltham	Murray, Robert, House	85 Crescent St.	19890928
89001539	Waltham	Newton Street Bridge	Newton St. at River St. over the Charles River	19890928
89001500	Waltham	North Lexington Street Historic District	508--536 N. Lexington St.	19890928
89001533	Waltham	O'Hara Waltham Dial Company	74 Rumford Ave.	19890928

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89001492	Waltham	Olcott, John E., House	35--37 Central St.	19890928
89001483	Waltham	Oxford, The	4 Adams St.	19890928
75000291	Waltham	Paine, Robert Treat, Jr., House	577 Beaver St.	19751007
89001559	Waltham	Peck, John M., House	27 Liberty St.	19890928
89001499	Waltham	Piety Corner Historic District	Roughly Bacon and Lexington Sts.	19900309
89001538	Waltham	Potter--O'Brian House	206 Newton St.	19890928
89001568	Waltham	Prospect House	11 Hammond St.	19890928
89001496	Waltham	Robbins, Royal E., School	58 Chestnut St.	19890928
89001563	Waltham	Sanderson, John, House	562 Lexington St.	19890928
89001556	Waltham	Sanderson, Nathan, I, House	107 Lincoln St.	19890928
89001513	Waltham	Sanderson, Nathan, II, House	111 Lincoln St.	19890928
89001557	Waltham	Sanderson--Clark Farmhouse	75 Lincoln/26 Lincoln Ter.	19890928
89001560	Waltham	Smith, Marshall, House	26 Liberty St.	19890928
89001558	Waltham	Smith, Perez, House	46 Lincoln St.	19890928
89001569	Waltham	St. Charles Borromeo Church	Hall and Cushing Sts.	19890928
89001527	Waltham	St. Mary's Roman Catholic Church Complex	133 School St.	19890928
89001509	Waltham	Stanley, Leonard W., House	23--25 Taylor St.	19890928
89001542	Waltham	Stark Building	416--424 Moody St.	19890928
89001552	Waltham	Stark, Robert M., House	176 Main St.	19890928
89001518	Waltham	Stearns, Amos, House	1079 Trapelo Rd.	19890928
89001553	Waltham	Stewart, Henry, House	294 Linden St.	19890928
89001530	Waltham	Swasey, James, House	30 Common St.	19890928
89001555	Waltham	Tyler, Frank J., House	238 Linden St.	19890928
89001494	Waltham	United States Watch Company	256 Charles St.	19890928
86001248	Waltham	US Post Office--Waltham Main	774 Main St.	19860530
70000737	Waltham	Vale, The	Lyman and Beaver Sts.	19701230
89001537	Waltham	Waltham Gas and Electric Company Generating Plant	96 Pine St.	19890928
89001506	Waltham	Waltham Gas Light Company	2 Cooper St.	19890928
89001531	Waltham	Waltham High School	55 School St.	19890928
89001570	Waltham	Waltham Water Works Shop	92 Felton St.	19890928
89001520	Waltham	Warren, Nathan, House	50 Weston St.	19900309
89001523	Waltham	Wellington, Benjamin, House	56 Whittier St.	19890928
89001512	Waltham	Wellington, William, House	785 Trapelo Rd.	19890928
89001511	Waltham	Wellington--Castner House	685 Trapelo Rd.	19890928
89001575	Waltham	Wetherbee House	357 Crescent St.	19890928

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89001519	Waltham	White, Warren, House	192 Warren St.	19890928
89001510	Waltham	Whitney--Farrington--Cook House	385 Trapelo Rd.	19890928
99001126	Waltham	Wilson's Diner	507 Main St.	19990922

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Reference	State	County	City	Resource	Address	Date Listed	Text	Photos
77001412	MASSACHUSETTS	Middlesex	Waltham	Boston Manufacturing Company	144 Moody St.	19771222	Text	Photos
70000542	MASSACHUSETTS	Middlesex	Waltham	Gore Place	52 Gore St.	19701230	Text	Photos
75000291	MASSACHUSETTS	Middlesex	Waltham	Paine, Robert Treat, Jr., House	577 Beaver St.	19751007	Text	Photos
70000737	MASSACHUSETTS	Middlesex	Waltham	Vale, The	Lyman and Beaver Sts.	19701230	Text	Photos

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Reference	State	Multiple Name
64000269	MASSACHUSETTS	Arlington MRA
64000270	MASSACHUSETTS	Arlington MRA (AD)
64000271	MASSACHUSETTS	Barnstable MRA
64000272	MASSACHUSETTS	Blue Hills and Neponset River Reservations MRA
64000273	MASSACHUSETTS	Boston Theatre MRA
64000274	MASSACHUSETTS	Brookline MRA
64000275	MASSACHUSETTS	Cambridge MRA
64000276	MASSACHUSETTS	Central Village, Ipswich, Massachusetts MRA
64500250	MASSACHUSETTS	Diners of Massachusetts MPS
64501040	MASSACHUSETTS	Downtown Architecture of H.M. Francis, Fitchburg, MA
64000277	MASSACHUSETTS	Downtown Salem MRA
64000278	MASSACHUSETTS	Downtown Springfield MRA
64501019	MASSACHUSETTS	Eastern Rig Dragger Fishing Vessel Shipwrecks in the Stellwagen Bank National Marine Sanctuary
64000279	MASSACHUSETTS	Fall River MRA
64000280	MASSACHUSETTS	Fall River MRA (AD)
64500919	MASSACHUSETTS	Farms and Rural Retreats of Topsfield, Massachusetts MPS
64000281	MASSACHUSETTS	First Period Buildings of Eastern Massachusetts TR
64500251	MASSACHUSETTS	Gloucester MPS
64501135	MASSACHUSETTS	Granite Vessel Shipwrecks in the Stellwagen Bank NMS MPS
64000282	MASSACHUSETTS	Lighthouses of Massachusetts TR
64000283	MASSACHUSETTS	Lighthouses of Massachusetts TR (AD)
64500252	MASSACHUSETTS	Massachusetts State Hospitals And State Schools MPS
64000284	MASSACHUSETTS	Methuen MRA
64500822	MASSACHUSETTS	Metropolitan Park System of Greater Boston MPS
64501197	MASSACHUSETTS	Mid 20th Century Modern Residential Architecture on Outer Cape Cod MPS
64501163	MASSACHUSETTS	Mid-Century Modern Houses of Lexington, Massachusetts MPS
64000285	MASSACHUSETTS	Newton MRA
64000286	MASSACHUSETTS	Newton MRA (AD)

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Reference	State	Multiple Name
64000287	MASSACHUSETTS	North Adams MRA
64000288	MASSACHUSETTS	North Adams MRA (AD)
64000289	MASSACHUSETTS	Quincy MRA
64000290	MASSACHUSETTS	Reading MRA
64000291	MASSACHUSETTS	Reading MRA (AD)
64000292	MASSACHUSETTS	Rehoboth MRA
64000293	MASSACHUSETTS	Sherborn MRA
64500253	MASSACHUSETTS	Somerville MPS
64000294	MASSACHUSETTS	Southbridge MRA
64000295	MASSACHUSETTS	Stoneham MRA
64000296	MASSACHUSETTS	Swansea MRA
64000297	MASSACHUSETTS	Taunton MRA
64000298	MASSACHUSETTS	Town of Andover MRA
64500934	MASSACHUSETTS	Underground Railroad in Massachusetts MPS
64000299	MASSACHUSETTS	Uxbridge MRA
64000300	MASSACHUSETTS	Wakefield MRA
64000301	MASSACHUSETTS	Waltham MRA
64000302	MASSACHUSETTS	Washington MRA
64500254	MASSACHUSETTS	Water Supply System of Metropolitan Boston MPS
64000303	MASSACHUSETTS	Winchester MRA
64000304	MASSACHUSETTS	Worcester MRA
64000305	MASSACHUSETTS	Worcester Three-Deckers TR