

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: East Boston Branch Sewer Interceptor Relief		Facility/site address:	
Location of facility/site: longitude: <u>72 02 21</u> latitude: <u>42 22 32</u>	Facility SIC code(s):	Street: Condor/Border/Chels	
b) Name of facility/site owner: Massachusetts Water Resources Authority		Town: Boston	
Email address of owner:		State: MA	Zip: 02129
Telephone no. of facility/site owner: 617-242-6000		County: Suffolk	
Fax no. of facility/site owner:		Owner is (check one): 1. Federal ☐ 2. State/Tribal ☒ 3. Private ☐ 4. other, if so, describe:	
Address of owner (if different from site):			
Street: Charlestown Navy Yard, 100 First Avenue			
Town: Boston		State: MA	Zip: 02129
		County: Suffolk	
c) Legal name of operator:		Operator telephone no: 781-821-6222	
Barletta Heavy Division		Operator fax no.:	Operator email:
Operator contact name and title: Kevin Huie			
Address of operator (if different from owner):		Street: 40 Shawmut Road, #200	
Town: Canton		State: MA	Zip: 02021
		County: Norfolk	
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, including:

1. multi-sector storm water general permit? Y ___ N ☒, if Y, number:

2. phase I or II construction storm water general permit? Y ___ N ☒, if Y, number:

3. individual NPDES permit? Y ___ N ☒, if Y, number:

4. any other water quality related permit? Y ___ N ☒, if Y, number:

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:

De-watering activities required for a construction project.

b) Provide the following information about each discharge:

1) Number of discharge points:

>5

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft³/s)? Max. flow 0.446
Average flow 0.446 ft³/s 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 available.

3) Latitude and longitude of each discharge within 100 feet: pt.1: long. 71 01 25 lat. 42 22 58; pt.2: long. 71 02 25 lat. 42 22 48; pt.3: long. 71 02 17 lat. 42 22 57; pt.4: long. 71 01 44 lat. 42 22 57; pt.5: long. 71 01 38 lat. 42 22 53; pt.6: long. _____ lat. _____; pt.7: long. _____ lat. _____; pt.8: long. _____ lat. _____; etc.

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

5) Is the discharge intermittent ☒ or seasonal _____?
Is discharge ongoing Yes ___ No ☒ ?

c) Expected dates of discharge (mm/dd/yy): start 10/20/08 end 10/20/10

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).

Sample B-506A
42° 22' 48" N 71° 02' 25" W

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 analyzed for **all** 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 used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and 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, provided the data was 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 falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
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	Well Development or Rehabilitation

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1	Grab	E160.2	4,000	85,000	2.32E5	85,000	2.32E5
2. Total Residual Chlorine		✓	1	Grab	M4500-CL G	200	240	655	240	655
3. Total Petroleum Hydrocarbons		✓	1	Grab	SW8015B	200	3,700	10,091	3,700	10,091
4. Cyanide	✓		1	Grab	E335.2	10				
5. Benzene	✓		1	Grab	SW8260B	1.0				
6. Toluene	✓		1	Grab	SW8260B	2.0				
7. Ethylbenzene	✓		1	Grab	SW8260B	2.0				
8. (m,p,o) Xylenes		✓	1	Grab	SW8260B	2.0	3.2	8.73	3.2	8.73
9. Total BTEX ⁴		✓	1	Grab	SW8260B	NA	3.2	8.73	3.2	8.73

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)		✓	1	Grab	SW8260B	2.0	2.6	7.09	2.6	7.09
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	SW8260B	5.0				
14. Naphthalene	✓		1	Grab	SW8260B	2.0				
15. Carbon Tetra-chloride	✓		1	Grab	SW8260B	2.0				
16. 1,4 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
17. 1,2 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
18. 1,3 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
19. 1,1 Dichloroethane	✓		1	Grab	SW8260B	2.0				
20. 1,2 Dichloroethane	✓		1	Grab	SW8260B	2.0				
21. 1,1 Dichloroethylene	✓		1	Grab	SW8260B	1.0				
22. cis-1,2 Dichloro-ethylene	✓		1	Grab	SW8260B	2.0				
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	SW8260B	5.0				
24. Tetrachloroethylene	✓		1	Grab	SW8260B	2.0				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	Grab	SW8260B	2.0				
26. 1,1,2 Trichloroethane	✓		1	Grab	SW8260B	2.0				
27. Trichloroethylene	✓		1	Grab	SW8260B	2.0				
28. Vinyl Chloride	✓		1	Grab	SW8260B	2.0				
29. Acetone		✓	1	Grab	SW8260B	10	31	84.55	31	84.55
30. 1,4 Dioxane	✓		1	Grab	SW8270B	50				
31. Total Phenols	✓		1	Grab	SW8270B	10				
32. Pentachlorophenol	✓		1	Grab	SW8270B	20				
33. Total Phthalates ⁶ (Phthalate esthers)	✓		1	Grab	SW8270B	10				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Grab	SW8270B	5.0				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	Grab	SW8270B	NA				
a. Benzo(a) Anthracene	✓		1	Grab	SW8270B	10				
b. Benzo(a) Pyrene	✓		1	Grab	SW8270B	10				
c. Benzo(b) Fluoranthene	✓		1	Grab	SW8270B	10				
d. Benzo(k) Fluoranthene	✓		1	Grab	SW8270B	10				
e. Chrysene	✓		1	Grab	SW8270B	10				

⁶The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1	Grab	SW8270B	10				
g. Indeno(1,2,3-cd) Pyrene	✓		1	Grab	SW8270B	10				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		✓	1	Grab	SW8270B	NA	13	35.45	13	35.45
h. Acenaphthene	✓		1	Grab	SW8270B	10				
i. Acenaphthylene	✓		1	Grab	SW8270B	10				
j. Anthracene	✓		1	Grab	SW8270B	10				
k. Benzo(ghi) Perylene	✓		1	Grab	SW8270B	10				
l. Fluoranthene	✓		1	Grab	SW8270B	10				
m. Fluorene	✓		1	Grab	SW8270B	10				
n. Naphthalene-	✓		1	Grab	SW8270B	10				
o. Phenanthrene	✓		1	Grab	SW8270B	10				
p. Pyrene	✓		1	Grab	SW8270B	10				
37. Total Polychlorinated Biphenyls (PCBs)										
38. Antimony	✓		1	Grab	SW7041	6.0				
39. Arsenic	✓		1	Grab	SW7060A	5.0				
40. Cadmium	✓		1	Grab	SW6010B	5.0				
41. Chromium III	✓		1	Grab	SW6010B	10				
42. Chromium VI	✓		1	Grab	M3500-CR D	10				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	☒	☐	1	Grab	SW6010B	25				
44. Lead	☒	☐	1	Grab	SW7421	5.0				
45. Mercury	☒	☐	1	Grab	SW7470	0.2				
46. Nickel	☒	☐	1	Grab	SW6010B	40				
47. Selenium	☒	☐	1	Grab	SW7740	5.0				
48. Silver	☒	☐	1	Grab	SW6010B	7.0				
49. Zinc	☒	☐	1	Grab	SW6010B	20				
50. Iron	☒	☐	1	Grab	SW6010B	100				
Other (describe):	☐	☐								

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

<i>Step 1:</i> 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?
<i>Step 2:</i> 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: _____ DF: _____	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 "Yes," list which metals:

Sample B-524
42° 22' 57" N 71° 02' 17" W

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 analyzed for **all** 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 used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and 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, provided the data was 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 falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
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	Well Development or Rehabilitation

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1	Grab	E160.2	4,000	44,000	120,000	44,000	120,000
2. Total Residual Chlorine	✓		1	Grab	M4500-CL G	200				
3. Total Petroleum Hydrocarbons		✓	1	Grab	SW8015B	200	620	1,691	620	1,691
4. Cyanide	✓		1	Grab	E335.2	10				
5. Benzene	✓		1	Grab	SW8260B	1.0				
6. Toluene		✓	1	Grab	SW8260B	2.0	12	32.7	12	32.7
7. Ethylbenzene	✓		1	Grab	SW8260B	2.0				
8. (m,p,o) Xylenes	✓		1	Grab	SW8260B	2.0				
9. Total BTEX ⁴		✓	1	Grab	SW8260B	NA	12	32.7	12	32.7

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	SW8260B	2.0				
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	SW8260B	5.0				
14. Naphthalene	✓		1	Grab	SW8260B	2.0				
15. Carbon Tetra-chloride	✓		1	Grab	SW8260B	2.0				
16. 1,4 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
17. 1,2 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
18. 1,3 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
19. 1,1 Dichloroethane	✓		1	Grab	SW8260B	2.0				
20. 1,2 Dichloroethane	✓		1	Grab	SW8260B	2.0				
21. 1,1 Dichloroethylene	✓		1	Grab	SW8260B	1.0				
22. cis-1,2 Dichloro-ethylene	✓		1	Grab	SW8260B	2.0				
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	SW8260B	5.0				
24. Tetrachloroethylene	✓		1	Grab	SW8260B	2.0				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	Grab	SW8260B	2.0				
26. 1,1,2 Trichloroethane	✓		1	Grab	SW8260B	2.0				
27. Trichloroethylene	✓		1	Grab	SW8260B	2.0				
28. Vinyl Chloride	✓		1	Grab	SW8260B	2.0				
29. Acetone	✓		1	Grab	SW8260B	10				
30. 1,4 Dioxane	✓		1	Grab	SW8270B	50				
31. Total Phenols	✓		1	Grab	SW8270B	10				
32. Pentachlorophenol	✓		1	Grab	SW8270B	20				
33. Total Phthalates ⁶ (Phthalate esters)	✓		1	Grab	SW8270B	10				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Grab	SW8270B	5.0				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	Grab	SW8270B	NA				
a. Benzo(a) Anthracene	✓		1	Grab	SW8270B	10				
b. Benzo(a) Pyrene	✓		1	Grab	SW8270B	10				
c. Benzo(b) Fluoranthene	✓		1	Grab	SW8270B	10				
d. Benzo(k) Fluoranthene	✓		1	Grab	SW8270B	10				
e. Chrysene	✓		1	Grab	SW8270B	10				

⁶The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1	Grab	SW8270B	10				
g. Indeno(1,2,3-cd) Pyrene	✓		1	Grab	SW8270B	10				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓					NA				
h. Acenaphthene	✓		1	Grab	SW8270B	10				
i. Acenaphthylene	✓		1	Grab	SW8270B	10				
j. Anthracene	✓		1	Grab	SW8270B	10				
k. Benzo(ghi) Perylene	✓		1	Grab	SW8270B	10				
l. Fluoranthene	✓		1	Grab	SW8270B	10				
m. Fluorene	✓		1	Grab	SW8270B	10				
n. Naphthalene-	✓		1	Grab	SW8270B	10				
o. Phenanthrene	✓		1	Grab	SW8270B	10				
p. Pyrene	✓		1	Grab	SW8270B	10				
37. Total Polychlorinated Biphenyls (PCBs)										
38. Antimony	✓		1	Grab	SW7041	6.0				
39. Arsenic	✓		1	Grab	SW7060A	5.0				
40. Cadmium	✓		1	Grab	SW6010B	5.0				
41. Chromium III	✓		1	Grab	SW6010B	10				
42. Chromium VI	✓		1	Grab	M3500-CR D	10				

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							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	☒	☐	1	Grab	SW6010B	25				
44. Lead	☒	☐	1	Grab	SW7421	5.0				
45. Mercury	☒	☐	1	Grab	SW7470	0.2				
46. Nickel	☒	☐	1	Grab	SW6010B	40				
47. Selenium	☒	☐	1	Grab	SW7740	5.0				
48. Silver	☐	☒	1	Grab	SW6010B	7.0	102	278	102	278
49. Zinc	☒	☐	1	Grab	SW6010B	20				
50. Iron	☐	☒	1	Grab	SW6010B	100	148	404	148	404
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? Silver, 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: <u>Silver, Iron</u> DF: <u>NA</u>	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 "Yes," list which metals:

Sample B-518
42° 22' 57" N 71° 01' 44" W

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 analyzed for **all** 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 used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and 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, provided the data was 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 falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
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	Well Development or Rehabilitation

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1	Grab	E160.2	4,000	24,000	6.55E4	24,000	6.55E4
2. Total Residual Chlorine	✓		1	Grab	M4500-CL G	200				
3. Total Petroleum Hydrocarbons		✓	1	Grab	SW8015B	200	340	927	340	927
4. Cyanide	✓		1	Grab	E335.2	10				
5. Benzene	✓		1	Grab	SW8260B	1.0				
6. Toluene	✓		1	Grab	SW8260B	2.0				
7. Ethylbenzene	✓		1	Grab	SW8260B	2.0				
8. (m,p,o) Xylenes		✓	1	Grab	SW8260B	2.0	2.9	7.9	2.9	7.9
9. Total BTEX ⁴		✓	1	Grab	SW8260B	NA	2.9	7.9	2.9	7.9

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	SW8260B	2.0				
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	SW8260B	5.0				
14. Naphthalene	✓		1	Grab	SW8260B	2.0				
15. Carbon Tetra-chloride	✓		1	Grab	SW8260B	2.0				
16. 1,4 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
17. 1,2 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
18. 1,3 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
19. 1,1 Dichloroethane	✓		1	Grab	SW8260B	2.0				
20. 1,2 Dichloroethane	✓		1	Grab	SW8260B	2.0				
21. 1,1 Dichloroethylene	✓		1	Grab	SW8260B	1.0				
22. cis-1,2 Dichloro-ethylene	✓		1	Grab	SW8260B	2.0				
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	SW8260B	5.0				
24. Tetrachloroethylene	✓		1	Grab	SW8260B	2.0				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	Grab	SW8260B	2.0				
26. 1,1,2 Trichloroethane	✓		1	Grab	SW8260B	2.0				
27. Trichloroethylene	✓		1	Grab	SW8260B	2.0				
28. Vinyl Chloride	✓		1	Grab	SW8260B	2.0				
29. Acetone		✓	1	Grab	SW8260B	10	31	84.55	31	84.55
30. 1,4 Dioxane	✓		1	Grab	SW8270B	50				
31. Total Phenols	✓		1	Grab	SW8270B	10				
32. Pentachlorophenol	✓		1	Grab	SW8270B	20				
33. Total Phthalates ⁶ (Phthalate esters)	✓		1	Grab	SW8270B	10				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Grab	SW8270B	5.0				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		✓	1	Grab	SW8270B	NA	13	35.45	13	35.45
a. Benzo(a) Anthracene	✓		1	Grab	SW8270B	10				
b. Benzo(a) Pyrene	✓		1	Grab	SW8270B	10				
c. Benzo(b) Fluoranthene	✓		1	Grab	SW8270B	10				
d. Benzo(k) Fluoranthene	✓		1	Grab	SW8270B	10				
e. Chrysene	✓		1	Grab	SW8270B	10				

⁶The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1	Grab	SW8270B	10				
g. Indeno(1,2,3-cd) Pyrene	✓		1	Grab	SW8270B	10				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓					NA				
h. Acenaphthene	✓		1	Grab	SW8270B	10				
i. Acenaphthylene	✓		1	Grab	SW8270B	10				
j. Anthracene	✓		1	Grab	SW8270B	10				
k. Benzo(ghi) Perylene	✓		1	Grab	SW8270B	10				
l. Fluoranthene	✓		1	Grab	SW8270B	10				
m. Fluorene	✓		1	Grab	SW8270B	10				
n. Naphthalene-	✓		1	Grab	SW8270B	10				
o. Phenanthrene	✓		1	Grab	SW8270B	10				
p. Pyrene	✓		1	Grab	SW8270B	10				
37. Total Polychlorinated Biphenyls (PCBs)										
38. Antimony	✓		1	Grab	SW7041	6.0				
39. Arsenic	✓		1	Grab	SW7060A	5.0				
40. Cadmium	✓		1	Grab	SW6010B	5.0				
41. Chromium III	✓		1	Grab	SW6010B	10				
42. Chromium VI	✓		1	Grab	M3500-CR D	10				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	☒	☐	1	Grab	SW6010B	25				
44. Lead	☒	☐	1	Grab	SW7421	5.0				
45. Mercury	☒	☐	1	Grab	SW7470	0.2				
46. Nickel	☒	☐	1	Grab	SW6010B	40				
47. Selenium	☒	☐	1	Grab	SW7740	5.0				
48. Silver	☒	☐	1	Grab	SW6010B	7.0				
49. Zinc	☒	☐	1	Grab	SW6010B	20				
50. Iron	☐	☒	1	Grab	SW6010B	100	318	867	318	867
Other (describe):	☐	☐								

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

<i>Step 1:</i> 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? Iron
<i>Step 2:</i> 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: <u>Iron</u> DF: <u>NA</u>	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 "Yes," list which metals:

Sample B-513
42° 22' 53" N 71° 01' 38" W

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 analyzed for **all** 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 used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and 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, provided the data was 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 falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
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	Well Development or Rehabilitation

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1	Grab	E160.2	4,000	200,000	5.45E5	200,000	5.45E5
2. Total Residual Chlorine	✓		1	Grab	M4500-CL G	200				
3. Total Petroleum Hydrocarbons		✓	1	Grab	SW8015B	200	680	1,855	680	1,855
4. Cyanide	✓		1	Grab	E335.2	10				
5. Benzene	✓		1	Grab	SW8260B	1.0				
6. Toluene	✓		1	Grab	SW8260B	2.0				
7. Ethylbenzene	✓		1	Grab	SW8260B	2.0				
8. (m,p,o) Xylenes	✓		1	Grab	SW8260B	2.0				
9. Total BTEX ⁴	✓		1	Grab	SW8260B	NA				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	SW8260B	2.0				
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	SW8260B	5.0				
14. Naphthalene	✓		1	Grab	SW8260B	2.0				
15. Carbon Tetra-chloride	✓		1	Grab	SW8260B	2.0				
16. 1,4 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
17. 1,2 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
18. 1,3 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
19. 1,1 Dichloroethane	✓		1	Grab	SW8260B	2.0				
20. 1,2 Dichloroethane	✓		1	Grab	SW8260B	2.0				
21. 1,1 Dichloroethylene	✓		1	Grab	SW8260B	1.0				
22. cis-1,2 Dichloro-ethylene	✓		1	Grab	SW8260B	2.0				
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	SW8260B	5.0				
24. Tetrachloroethylene	✓		1	Grab	SW8260B	2.0				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	Grab	SW8260B	2.0				
26. 1,1,2 Trichloroethane	✓		1	Grab	SW8260B	2.0				
27. Trichloroethylene	✓		1	Grab	SW8260B	2.0				
28. Vinyl Chloride	✓		1	Grab	SW8260B	2.0				
29. Acetone	✓		1	Grab	SW8260B	10				
30. 1,4 Dioxane	✓		1	Grab	SW8270B	50				
31. Total Phenols	✓		1	Grab	SW8270B	10				
32. Pentachlorophenol	✓		1	Grab	SW8270B	20				
33. Total Phthalates ⁶ (Phthalate esters)	✓		1	Grab	SW8270B	10				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Grab	SW8270B	5.0				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	Grab	SW8270B	NA				
a. Benzo(a) Anthracene	✓		1	Grab	SW8270B	10				
b. Benzo(a) Pyrene	✓		1	Grab	SW8270B	10				
c. Benzo(b) Fluoranthene	✓		1	Grab	SW8270B	10				
d. Benzo(k) Fluoranthene	✓		1	Grab	SW8270B	10				
e. Chrysene	✓		1	Grab	SW8270B	10				

⁶The sum of individual phthalate compounds.

Sample B-513

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1	Grab	SW8270B	10				
g. Indeno(1,2,3-cd) Pyrene	✓		1	Grab	SW8270B	10				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓					NA				
h. Acenaphthene	✓		1	Grab	SW8270B	10				
i. Acenaphthylene	✓		1	Grab	SW8270B	10				
j. Anthracene	✓		1	Grab	SW8270B	10				
k. Benzo(ghi) Perylene	✓		1	Grab	SW8270B	10				
l. Fluoranthene	✓		1	Grab	SW8270B	10				
m. Fluorene	✓		1	Grab	SW8270B	10				
n. Naphthalene-	✓		1	Grab	SW8270B	10				
o. Phenanthrene	✓		1	Grab	SW8270B	10				
p. Pyrene	✓		1	Grab	SW8270B	10				
37. Total Polychlorinated Biphenyls (PCBs)										
38. Antimony	✓		1	Grab	SW7041	6.0				
39. Arsenic	✓		1	Grab	SW7060A	5.0				
40. Cadmium	✓		1	Grab	SW6010B	5.0				
41. Chromium III	✓		1	Grab	SW6010B	10				
42. Chromium VI	✓		1	Grab	M3500-CR D	10				

Sample B-513

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	☒	☐	1	Grab	SW6010B	25				
44. Lead	☐	☒	1	Grab	SW7421	5.0	6.9	18.8	6.9	18.8
45. Mercury	☒	☐	1	Grab	SW7470	0.2				
46. Nickel	☒	☐	1	Grab	SW6010B	40				
47. Selenium	☒	☐	1	Grab	SW7740	5.0				
48. Silver	☒	☐	1	Grab	SW6010B	7.0				
49. Zinc	☒	☐	1	Grab	SW6010B	20				
50. Iron	☐	☒	1	Grab	SW6010B	100	2,320	6,327	2,320	6,327
Other (describe):	☐	☐								

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

<i>Step 1:</i> 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? Lead, Iron
<i>Step 2:</i> 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: <u>Lead, Iron</u> DF: <u>NA</u>	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 "Yes," list which metals:

Sample B-528
 42° 22' 48" N 71° 01' 25" W
 5

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 analyzed for all 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 used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and 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, provided the data was 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 falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
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	Well Development or Rehabilitation

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1	Grab	E160.2	4,000	10,000	2.73E4	10,000	2.73E4
2. Total Residual Chlorine	✓		1	Grab	M4500-CL G	200				
3. Total Petroleum Hydrocarbons		✓	1	Grab	SW8015B	200	1,000	2,727	1,000	2,727
4. Cyanide	✓		1	Grab	E335.2	10				
5. Benzene	✓		1	Grab	SW8260B	1.0				
6. Toluene	✓		1	Grab	SW8260B	2.0				
7. Ethylbenzene	✓		1	Grab	SW8260B	2.0				
8. (m,p,o) Xylenes	✓		1	Grab	SW8260B	2.0				
9. Total BTEX ⁴	✓		1	Grab	SW8260B	NA				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	SW8260B	2.0				
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	SW8260B	5.0				
14. Naphthalene	✓		1	Grab	SW8260B	2.0				
15. Carbon Tetrachloride	✓		1	Grab	SW8260B	2.0				
16. 1,4 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
17. 1,2 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
18. 1,3 Dichlorobenzene	✓		1	Grab	SW8260B	2.0				
19. 1,1 Dichloroethane	✓		1	Grab	SW8260B	2.0				
20. 1,2 Dichloroethane	✓		1	Grab	SW8260B	2.0				
21. 1,1 Dichloroethylene	✓		1	Grab	SW8260B	1.0				
22. cis-1,2 Dichloroethylene	✓		1	Grab	SW8260B	2.0				
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	SW8260B	5.0				
24. Tetrachloroethylene	✓		1	Grab	SW8260B	2.0				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	Grab	SW8260B	2.0				
26. 1,1,2 Trichloroethane	✓		1	Grab	SW8260B	2.0				
27. Trichloroethylene	✓		1	Grab	SW8260B	2.0				
28. Vinyl Chloride	✓		1	Grab	SW8260B	2.0				
29. Acetone	✓		1	Grab	SW8260B	10				
30. 1,4 Dioxane	✓		1	Grab	SW8270B	50				
31. Total Phenols	✓		1	Grab	SW8270B	10				
32. Pentachlorophenol	✓		1	Grab	SW8270B	20				
33. Total Phthalates ⁶ (Phthalate esters)	✓		1	Grab	SW8270B	10				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Grab	SW8270B	5.0				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	Grab	SW8270B	NA				
a. Benzo(a) Anthracene	✓		1	Grab	SW8270B	10				
b. Benzo(a) Pyrene	✓		1	Grab	SW8270B	10				
c. Benzo(b) Fluoranthene	✓		1	Grab	SW8270B	10				
d. Benzo(k) Fluoranthene	✓		1	Grab	SW8270B	10				
e. Chrysene	✓		1	Grab	SW8270B	10				

⁶The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1	Grab	SW8270B	10				
g. Indeno(1,2,3-cd) Pyrene	✓		1	Grab	SW8270B	10				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓					NA				
h. Acenaphthene	✓		1	Grab	SW8270B	10				
i. Acenaphthylene	✓		1	Grab	SW8270B	10				
j. Anthracene	✓		1	Grab	SW8270B	10				
k. Benzo(ghi) Perylene	✓		1	Grab	SW8270B	10				
l. Fluoranthene	✓		1	Grab	SW8270B	10				
m. Fluorene	✓		1	Grab	SW8270B	10				
n. Naphthalene-	✓		1	Grab	SW8270B	10				
o. Phenanthrene	✓		1	Grab	SW8270B	10				
p. Pyrene	✓		1	Grab	SW8270B	10				
37. Total Polychlorinated Biphenyls (PCBs)										
38. Antimony	✓		1	Grab	SW7041	6.0				
39. Arsenic	✓		1	Grab	SW7060A	5.0				
40. Cadmium	✓		1	Grab	SW6010B	5.0				
41. Chromium III	✓		1	Grab	SW6010B	10				
42. Chromium VI	✓		1	Grab	M3500-CR D	10				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	☒	☐	1	Grab	SW6010B	25				
44. Lead	☒	☐	1	Grab	SW7421	5.0				
45. Mercury	☒	☐	1	Grab	SW7470	0.2				
46. Nickel	☒	☐	1	Grab	SW6010B	40				
47. Selenium	☒	☐	1	Grab	SW7740	5.0				
48. Silver	☒	☐	1	Grab	SW6010B	7.0				
49. Zinc	☒	☐	1	Grab	SW6010B	20				
50. Iron	☐	☒	1	Grab	SW6010B	100	176	480	176	480
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 ☐

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: Iron

DF: NA

If yes, which metals?

Iron

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 "Yes," list which metals:

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 ☒	GAC 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 treatment system: Average flow rate of discharge <u>200</u> Maximum flow rate of treatment system <u>200</u> Design flow rate of treatment system <u>200</u>						
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 ☐	Within facility ☐	Storm drain ☒	River/brook ☐	Wetlands ☐	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: The treated water will be pumped into catch basins that discharge directly into either the Chelsea River or Boston Inner Harbor.						
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 <u>Massachusetts Category 5</u> ,						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water <u>NA</u> 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)? Pathogens, Priority Organics Is there a TMDL? Yes ☐ No ☒ If yes, for which pollutant(s)?						

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:

Operator signature:

Title:

Date: