

12/30/08

MAG-910391

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: Cadigan		Facility/site address:	
Location of facility/site: longitude: 71:04 latitude: 42:28	Facility SIC code(s):	Street: 67 Greenwood Street	
b) Name of facility/site owner: Mary Cadigan		Town: Melrose	
Email address of owner:		State: MA	Zip: 02176
Telephone no. of facility/site owner: (781) 665-6659		County: Middle	
Fax no. of facility/site owner:		Owner is (check one): 1. Federal____ 2. State/Tribal____	
Address of owner (if different from site):		3. Private ☒ 4. other, if so, describe:	
Street:			
Town:	State:	Zip:	County:
c) Legal name of operator: Commonwealth Tank Inc.		Operator telephone no: (617) 628-8260	
		Operator fax no.: (781) 224-9918	Operator email: dhoag@commtank.com
Operator contact name and title: Daniel Hoag, Project Manager			

Address of operator (if different from owner):	Street: 84 New Salem Street		
Town: Wakefield	State: Ma	Zip: 01880	County: USA

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: RTN 3-0028085 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: Steve Ross, NERO, 978-694-3314	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:
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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:

Emergency remediation of a release of number 2 fuel. Groundwater will be recovered from a shallow recovery well, treated on site with with clay anthracite and activated carbon, and discharged to a seasonal wetland.

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 <u>.022</u> Average flow <u>.022</u> 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. This value is an estimate.
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3) Latitude and longitude of each discharge within 100 feet: pt.1: long. 71:04 lat. 42:28; 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. _____; 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 <u>01/31/09</u> end <u>12/31/09</u>	
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 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		160.2	4	82			
2. Total Residual Chlorine	☒		1							
3. Total Petroleum Hydrocarbons		☒	1		8015	21000	960K			
4. Cyanide	☒									
5. Benzene		☒	1		8260B	1	44			
6. Toluene		☒	1		8260B	10	270			
7. Ethylbenzene		☒	1		8260B	1	120			
8. (m,p,o) Xylenes		☒	1		8260B	10	600			
9. Total BTEX ⁴		☒			8260B		1034			

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 (1,2- Dibromo-methane)	✓		1		8260b	1	<1			
11. Methyl-tert-Butyl Ether (MtBE)	✓		1		8260b	1	<1			
12. tert-Butyl Alcohol (TBA)	✓		1		8260b	1	<1			
13. tert-Amyl Methyl Ether (TAME)	✓		1		8260b	1	<1			
14. Naphthalene		✓	1		8260b	110	460			
15. Carbon Tetra-chloride	✓		1		8260b	1	<1			
16. 1,4 Dichlorobenzene	✓		1		8260b	1	<1			
17. 1,2 Dichlorobenzene	✓		1		8260b	1	<1			
18. 1,3 Dichlorobenzene	✓		1		8260b	1	<1			
19. 1,1 Dichloroethane	✓		1		8260b	1	<1			
20. 1,2 Dichloroethane	✓		1		8260b	1	<1			
21. 1,1 Dichloroethylene	✓		1		8260b	1	<1			
22. cis-1,2 Dichloro-ethylene	✓		1		8260b	1	<1			
23. Dichloromethane (Methylene Chloride)	✓		1		8260b	1	<1			
24. Tetrachloroethylene	✓		1		8260b	1	<1			

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		8260b	1	<1			
26. 1,1,2 Trichloroethane	✓		1		8260b	1	<1			
27. Trichloroethylene	✓		1		8260b	1	<1			
28. Vinyl Chloride	✓		1		8260b	1	<1			
29. Acetone	✓		1		8260b	50	<50			
30. 1,4 Dioxane	✓		1		8260b	20	<20			
31. Total Phenols	✓		1		8260b					
32. Pentachlorophenol	✓		1		8260b					
33. Total Phthalates ⁵ (Phthalate esters)	✓		1		8260b					
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1		8260b					
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)			1							
a. Benzo(a) Anthracene	✓		1		8270c	110	<110			
b. Benzo(a) Pyrene	✓		1		8270c	110	<110			
c. Benzo(b) Fluoranthene	✓		1		8270c	110	<110			
d. Benzo(k) Fluoranthene	✓		1		8270c	110	<110			
e. Chrysene	✓				8270c	110	<110			

⁵ The 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		8270c	110	<110			
g. Indeno(1,2,3-cd) Pyrene	✓		1		8270c	110	<110			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)			1		8270c					
h. Acenaphthene		✓	1		8270c	110	140			
i. Acenaphthylene	✓		1		8270c	110	<110			
j. Anthracene		✓	1		8270c	110	170			
k. Benzo(ghi) Perylene	✓		1		8270c	110	<110			
l. Fluoranthene	✓		1		8270c	110	<110			
m. Fluorene		✓	1		8270c	110	260			
n. Naphthalene-		✓	1		8270c	110	460			
o. Phenanthrene		✓	1		8270c	110	750			
p. Pyrene		✓	1		8270c	110	140			
37. Total Polychlorinated Biphenyls (PCBs)	✓		1							
38. Antimony	✓		1		6010b					
39. Arsenic	✓		1		6010b	0.05	<05			
40. Cadmium	✓		1		6010b	.005	<.005			
41. Chromium III	✓		1		6010b	0.01	<.01			
42. Chromium VI	✓		1		6010b	0.01	<.01			

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		SW846					
44. Lead	✓		1		6010B	0.03	<.03			
45. Mercury	✓		1		7470A	.002	<.002			
46. Nickel	✓		1		SW846					
47. Selenium	✓		1		SW846	.05	<.05			
48. Silver	✓		1		SW846	.007	<.007			
49. Zinc	✓		1		SW846					
50. Iron	✓		1		SW846					
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 <u>✓</u>	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 <u>✓</u> 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: The treatment system is composed of 6 steel canisters containing 400lbs of organophillic clay inline with 800lbs of gas activated carbon. See attached drawing for more detail.						
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): Organophillic clay will be used as the primary adsorber.			
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>2 GPM</u> Maximum flow rate of treatment system <u>12 GPM</u> Design flow rate of treatment system <u>10 GPM</u>						
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_____	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: The storm drain located near the driveway of the site discharges to the Mill River approximately 600 yards from the site. The Mill River is a 2.0 mile Class B waterbody. The River originates just south of Salem Street in Wakefield and flows to its confluence with the Saugus River also in Wakefield. The river is not listed as being impaired by any contaminants.						

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 B,

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water .29 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)?

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? 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.

The complete analytical reports prepared by ChemServ Environmental Analysts for sample (groundwater) collected on 11/25/08 and 12/15/08 are attached.

See attached Figure 1 for Site Locus (USGS Topographical Map).

See attached Figure 2 for sensitive receptors (MA DEP Priority Resource Map).

See attached Figure 3 for Sub-Watershed map of Melrose.

See attached Figure 4 for site map showing recovery well location and intermittent stream.

See attached Figure 5 for treatment system drawing.

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: Commonwealth Tank Inc

Operator signature:



Title: Project Manager

Date: 12/29/08



65 GREENWOOD ST.



DRIVEWAY

PATIO

67 GREENWOOD ST.

GREENWOOD STREET.

MW-2

MW-6

SB-1

RW-1

MW-4

SB-3

MW-1

MW-5

MW-3

Intermittent Stream

CADIGAN RESIDENCE
67 GREENWOOD STREET.
MELROSE MA.

Soil Sample Locations
Drawn By: SM

Date
10/22/08

Scale
1" : 10'

Commonwealth Tank Inc.

MA DEP Priority Resource Map

67 Greenwood St Melrose Ma

100k Lakes and Ponds

100k Lakes and Ponds

100k Rivers and Streams

100k Rivers and Streams

USGS Data Collection Stations

USGS Data Collection Stations

DEP Water Quality Stations

DEP Water Quality Stations

Potential Vernal Pools

Potential Vernal Pools

NHESP Certified Vernal Pools

NHESP MA Certified Vernal Pools

NHESP Priority Habitats of Rare Species

NHESP MA Priority Habitats for State-Protected Rare Species

Living Waters Critical Supporting Watersheds

Living Waters Critical Supporting Watersheds

Zip Codes Black Labels

Zip Code Labels Black

Areas of Critical Environmental Concern ACECs Boundaries

Areas of Critical Environmental Concern ACECs Boundaries

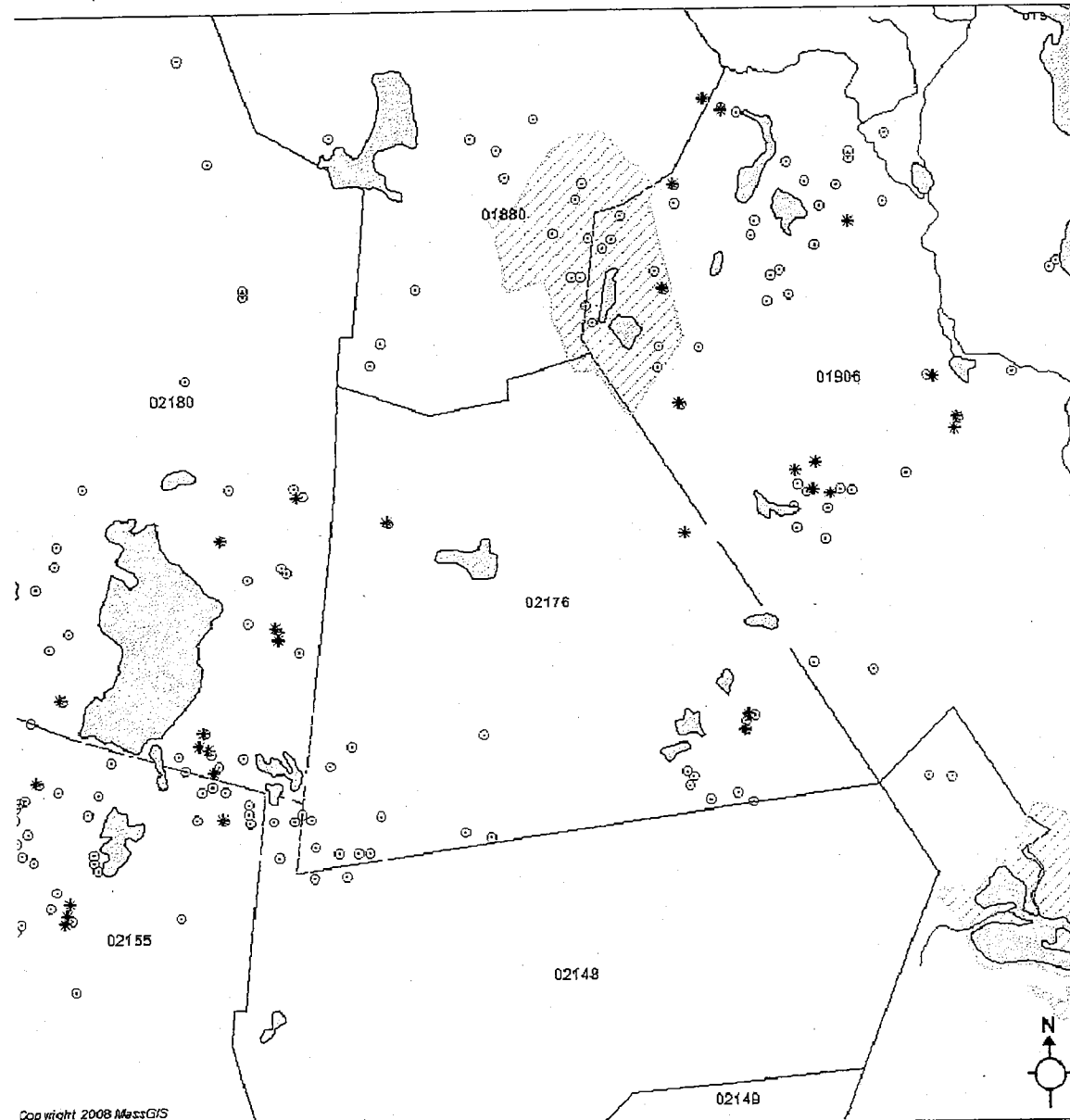
- ROAD/RAIL BASED
- RIVER BASED
- WETLAND BASED
- FLOODPLAIN BASED
- TOWN BASED
- CONTOUR BASED
- POLITICAL BOUNDARY
- PROPERTY LINE BASED
- OTHER
- NOT DEFINED

Areas of Critical Environmental Concern ACECs

Areas of Critical Environmental Concern ACECs

Massachusetts Towns

MA Town Boundaries, Outlines

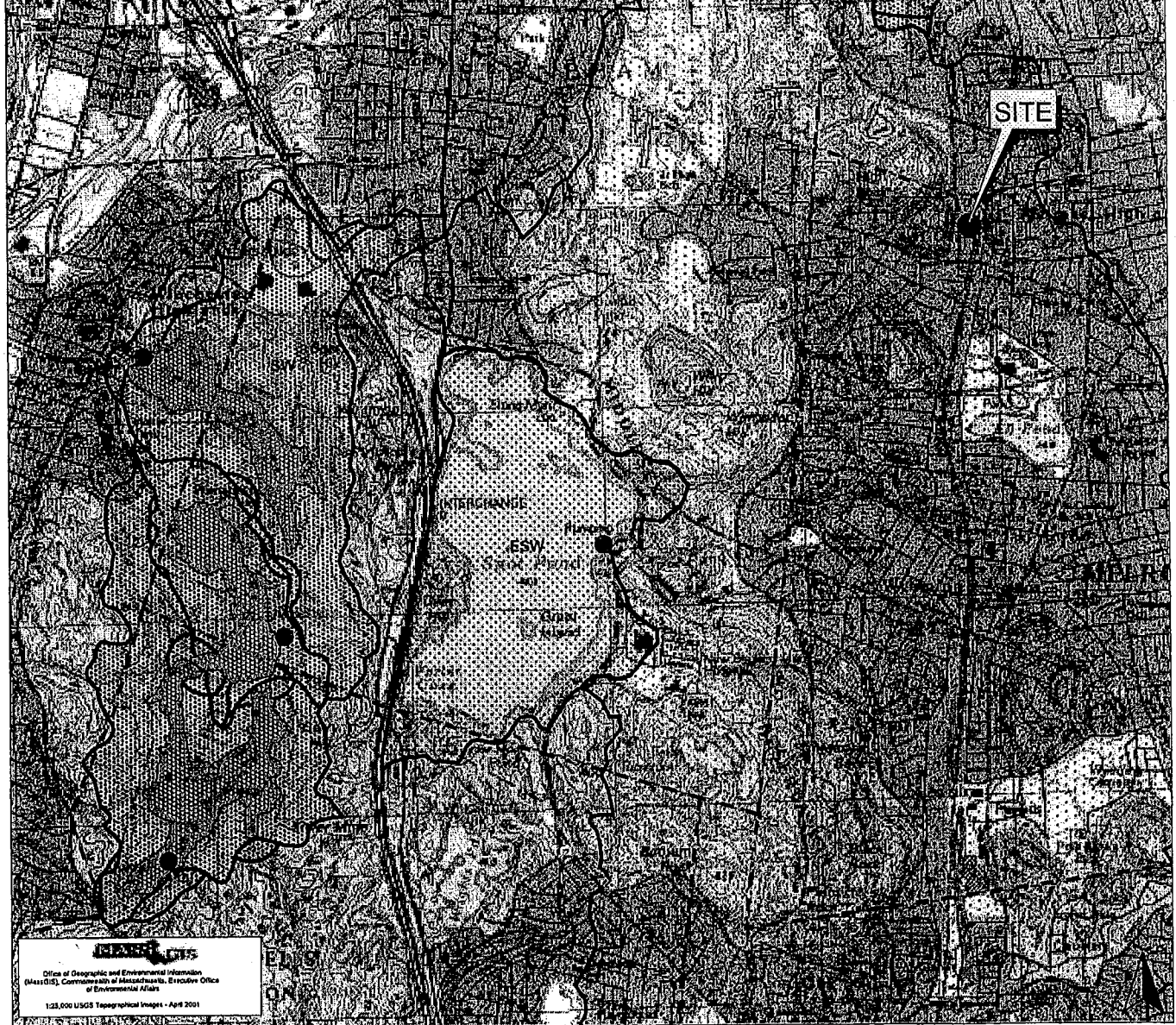


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900 m (1:39073)

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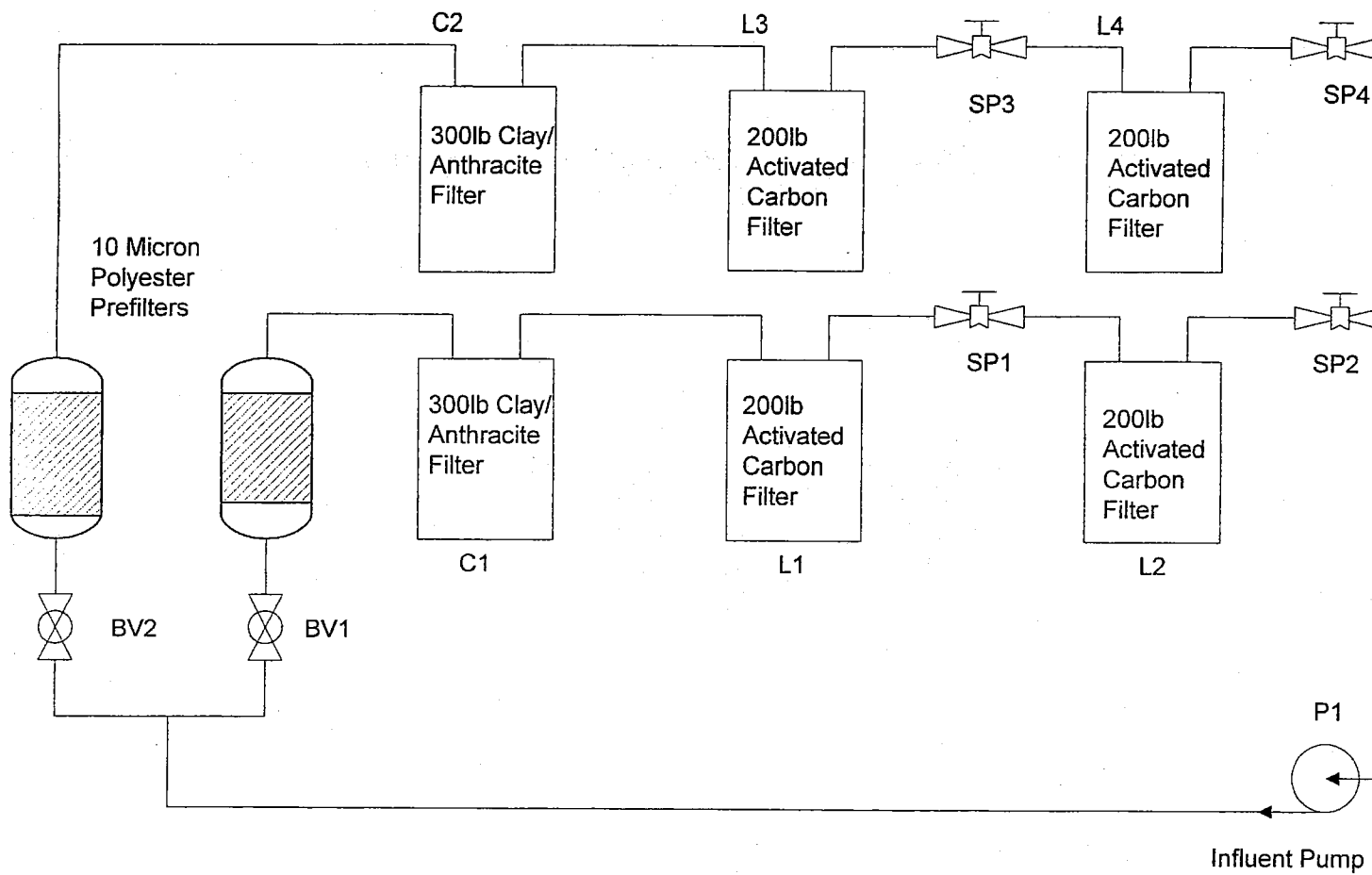
LEC
 Environmental Consultants, Inc.
 107 Audubon Road
 Building 2, Suite 110
 Wakefield, MA 01880
 781.245.2500; 781.245.6677 Fax
 northlec@lecenvironmental.com
 www.lecenvironmental.com

Sub-Watershed Map
 67 Greenwood Street
 Melrose, MA
 Approximate Scale: 1" = 2,600'

December 16, 2008

Legend

- USGS Stream Channels
- Town Boundary
- Public Water Supply
- Sub-Watershed to Boston Harbor Watershed (Non-Public Water Supply)
- Reservoir
- SW - Surface Water (Active or Inactive) Public Water Supply
- ESW - Emergency Surface Water Public Water Supply



Lengend

SP = Sample Port
 CV = Check Valve
 FS = Float Switch
 BV = Ball Valve
 GW = Groundwater Well
 WM = Water Meter
 S = Solenoid

Oil Water Separator System Installation Diagram Revision A1

Drawn by: Daniel Hoag

Reviewed by: Kevin Hoag

Date: January 20, 2008

Cor
 Installation

Arsenic	7440-38-2	< 0.05 mg/L	12/1/2008	1	0.05
Barium	7440-39-3	0.170 mg/L	12/1/2008	1	0.01
Cadmium	7440-43-9	< 0.005 mg/L	12/1/2008	1	0.005
Chromium	7440-47-3	< 0.01 mg/L	12/1/2008	1	0.01
Lead	7439-92-1	< 0.03 mg/L	12/1/2008	1	0.03
Selenium	7782-49-2	< 0.05 mg/L	12/1/2008	1	0.05
Silver	7440-22-4	< 0.007 mg/L	12/1/2008	1	0.007

Sample	Method	Client Identity	Units	Matrix	Analyst
08110288-001	SW 7470A	Groundwater	mg/L	Groundwater	LyleH

Start Date/Time Sampled: 11/25/2008 10:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Mercury	7439-97-6	< 0.0002 mg/L		12/1/2008	1	0.0002

Sample	Method	Client Identity	Units	Matrix	Analyst
08110288-001	SW 8082	Groundwater	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 11/25/2008 10:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Aroclor 1016/1242		< 0.21 ug/L		12/2/2008	1.06	0.21
Aroclor 1221	11104-28-2	< 0.21 ug/L		12/2/2008	1.06	0.21
Aroclor 1232	11141-16-5	< 0.21 ug/L		12/2/2008	1.06	0.21
Aroclor 1248	12672-29-6	< 0.21 ug/L		12/2/2008	1.06	0.21
Aroclor 1254	11097-69-1	< 0.21 ug/L		12/2/2008	1.06	0.21
Aroclor 1260	11096-82-5	< 0.21 ug/L		12/2/2008	1.06	0.21

Sample	Method	Client Identity	Units	Matrix	Analyst
08110288-001	SW 8260B	Groundwater	ug/L	Groundwater	TimD

Start Date/Time Sampled: 11/25/2008 10:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,1,1,2-Tetrachloroethane	630-20-6	< 1 ug/L		12/2/2008	1	1
1,1,1-Trichloroethane	71-55-6	< 1 ug/L		12/2/2008	1	1
1,1,2,2-Tetrachloroethane	79-34-5	< 1 ug/L		12/2/2008	1	1
1,1,2-Trichloroethane	79-00-5	< 1 ug/L		12/2/2008	1	1
1,1-Dichloroethane	75-34-3	< 1 ug/L		12/2/2008	1	1



317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Sample	Method	Client Identity	Units	Matrix	Analyst
08110288-001	SW 8260B	Groundwater	ug/L	Groundwater	TimD

Start Date/Time Sampled: 11/25/2008 10:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,1-Dichloroethene	75-35-4	< 1 ug/L		12/2/2008	1	1
1,1-Dichloropropene	563-58-6	< 1 ug/L		12/2/2008	1	1
1,2,3-Trichlorobenzene	87-61-6	< 1 ug/L		12/2/2008	1	1
1,2,3-Trichloropropane	96-18-4	< 1 ug/L		12/2/2008	1	1
1,2,4-Trichlorobenzene	120-82-1	< 1 ug/L		12/2/2008	1	1
1,2,4-Trimethylbenzene	95-63-6	240 ug/L		12/2/2008	10	10
1,2-Dibromo-3-Chloropropane	96-12-8	< 1 ug/L		12/2/2008	1	1
1,2-Dibromoethane	106-93-4	< 1 ug/L		12/2/2008	1	1
1,2-Dichlorobenzene	95-50-1	< 1 ug/L		12/2/2008	1	1
1,2-Dichloroethane	107-06-2	< 1 ug/L		12/2/2008	1	1
1,2-Dichloropropane	78-87-5	< 1 ug/L		12/2/2008	1	1
1,3,5-Trichlorobenzene	108-70-3	< 1 ug/L		12/2/2008	1	1
1,3,5-Trimethylbenzene	108-67-8	64 ug/L		12/2/2008	1	1
1,3-Dichlorobenzene	541-73-1	< 1 ug/L		12/2/2008	1	1
1,3-Dichloropropane	142-28-9	< 1 ug/L		12/2/2008	1	1
1,4-Dichlorobenzene	106-46-7	< 1 ug/L		12/2/2008	1	1
1,4-Dioxane	123-91-1	< 20 ug/L		12/2/2008	1	20
2,2-Dichloropropane	594-20-7	< 1 ug/L		12/2/2008	1	1
2-Butanone	78-93-3	< 10 ug/L		12/2/2008	1	10
2-Chloroethyl Vinyl Ether	110-75-8	< 10 ug/L		12/2/2008	1	10
2-Chlorotoluene	95-49-8	< 1 ug/L		12/2/2008	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	637-92-3	< 1 ug/L		12/2/2008	1	1
2-Hexanone	591-78-6	< 10 ug/L		12/2/2008	1	10
2-Methoxy-2-Methyl Butane (TAME)	994-05-8	< 1 ug/L		12/2/2008	1	1
2-Methoxy-2-Methyl Propane (MTBE)	1634-04-4	< 1 ug/L		12/2/2008	1	1
2-Methyl-2-Propanol (TBA)	75-65-0	< 20 ug/L		12/2/2008	1	20
4-Chlorotoluene	106-43-4	< 1 ug/L		12/2/2008	1	1
4-Isopropyltoluene	99-87-6	29 ug/L		12/2/2008	1	1
4-Methyl-2-Pentanone	108-10-1	< 10 ug/L		12/2/2008	1	10
Acetone	67-64-1	< 50 ug/L		12/2/2008	1	50
Acrolein	107-02-8	< 5 ug/L		12/2/2008	1	5
Acrylonitrile	107-13-1	< 5 ug/L		12/2/2008	1	5

Sample	Method	Client Identity	Units	Matrix	Analyst
08110288-001	SW 8260B	Groundwater	ug/L	Groundwater	TimD

Start Date/Time Sampled: 11/25/2008 10:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Benzene	71-43-2	44 ug/L		12/2/2008	1	1
Bromobenzene	108-86-1	< 1 ug/L		12/2/2008	1	1
Bromochloromethane	74-97-5	< 1 ug/L		12/2/2008	1	1
Bromodichloromethane	75-27-4	< 0.6 ug/L		12/2/2008	1	0.6
Bromoform	75-25-2	< 1 ug/L		12/2/2008	1	1
Bromomethane	74-83-9	< 1 ug/L		12/2/2008	1	1
Carbon Disulfide	75-15-0	< 1 ug/L		12/2/2008	1	1
Carbon Tetrachloride	56-23-5	< 1 ug/L		12/2/2008	1	1
Chlorobenzene	108-90-7	< 1 ug/L		12/2/2008	1	1
Chloroethane	75-00-3	< 1 ug/L		12/2/2008	1	1
Chloroform	67-66-3	< 1 ug/L		12/2/2008	1	1
Chloromethane	74-87-3	< 1 ug/L		12/2/2008	1	1
Cis-1,2-Dichloroethene	156-59-2	< 1 ug/L		12/2/2008	1	1
Cis-1,3-Dichloropropene	10061-01-5	< 1 ug/L		12/2/2008	1	1
Dibromochloromethane	124-48-1	< 1 ug/L		12/2/2008	1	1
Dibromomethane	74-95-3	< 1 ug/L		12/2/2008	1	1
Dichlorodifluoromethane	75-71-8	< 1 ug/L		12/2/2008	1	1
Diethyl Ether	60-29-7	< 5 ug/L		12/2/2008	1	5
Di-Isopropyl Ether	108-20-3	< 1 ug/L		12/2/2008	1	1
Ethylbenzene	100-41-4	120 ug/L		12/2/2008	1	1
Hexachlorobutadiene	87-68-3	< 0.5 ug/L		12/2/2008	1	0.5
Isopropylbenzene	98-82-8	22 ug/L		12/2/2008	1	1
M/P-Xylene		390 ug/L		12/2/2008	10	10
Methylene Chloride	75-09-2	< 5 ug/L		12/2/2008	1	5
Naphthalene	91-20-3	160 ug/L		12/2/2008	1	1
N-Butylbenzene	104-51-8	< 1 ug/L		12/2/2008	1	1
N-Propylbenzene	103-65-1	37 ug/L		12/2/2008	1	1
O-Xylene	95-47-6	210 ug/L		12/2/2008	10	10
Sec-Butylbenzene	135-98-8	12 ug/L		12/2/2008	1	1
Styrene	100-42-5	< 1 ug/L		12/2/2008	1	1
Tert-Butylbenzene	98-06-6	< 1 ug/L		12/2/2008	1	1
Tetrachloroethene	127-18-4	< 1 ug/L		12/2/2008	1	1



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Sample	Method	Client Identity	Units	Matrix	Analyst
08110288-001	SW 8260B	Groundwater	ug/L	Groundwater	TimD

Start Date/Time Sampled: 11/25/2008 10:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Tetrahydrofuran	109-99-9	< 5 ug/L		12/2/2008	1	5
Toluene	108-88-3	270 ug/L		12/2/2008	10	10
Trans-1,2-Dichloroethene	156-60-5	< 1 ug/L		12/2/2008	1	1
Trans-1,3-Dichloropropene	10061-02-6	< 1 ug/L		12/2/2008	1	1
Trichloroethene	79-01-6	< 1 ug/L		12/2/2008	1	1
Trichlorofluoromethane	75-69-4	< 1 ug/L		12/2/2008	1	1
Vinyl Chloride	75-01-4	< 1 ug/L		12/2/2008	1	1

Sample	Method	Client Identity	Units	Matrix	Analyst
08110288-001	SW 8270C	Groundwater	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 11/25/2008 10:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2-Methylnaphthalene	91-57-6	2900 ug/L		12/2/2008	54.5	540
Acenaphthene	83-32-9	140 ug/L		12/2/2008	10.9	110
Acenaphthylene	208-96-8	< 110 ug/L		12/2/2008	10.9	110
Anthracene	120-12-7	170 ug/L		12/2/2008	10.9	110
Benzo[A]Anthracene	56-55-3	< 110 ug/L		12/2/2008	10.9	110
Benzo[A]Pyrene	50-32-8	< 110 ug/L		12/2/2008	10.9	110
Benzo[B]Fluoranthene	205-99-2	< 110 ug/L		12/2/2008	10.9	110
Benzo[G,H,I]Perylene	191-24-2	< 110 ug/L		12/2/2008	10.9	110
Benzo[K]Fluoranthene	207-08-9	< 110 ug/L		12/2/2008	10.9	110
Chrysene	218-01-9	< 110 ug/L		12/2/2008	10.9	110
Dibenz[A,H]Anthracene	53-70-3	< 110 ug/L		12/2/2008	10.9	110
Fluoranthene	206-44-0	< 110 ug/L		12/2/2008	10.9	110
Fluorene	86-73-7	260 ug/L		12/2/2008	10.9	110
Indeno[1,2,3-Cd]Pyrene	193-39-5	< 110 ug/L		12/2/2008	10.9	110
Naphthalene	91-20-3	460 ug/L		12/2/2008	10.9	110
Phenanthrene	85-01-8	750 ug/L		12/2/2008	10.9	110
Pyrene	129-00-0	140 ug/L		12/2/2008	10.9	110