

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

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

a) Name of facility/site: Lakeside Vista LLC		Facility/site address:		
Location of facility/site: longitude: 71:05 latitude: 42:30	Facility SIC code(s):	Street: 599 North Ave		
b) Name of facility/site owner: John Fanatasia		Town: Wakefield		
Email address of owner:		State: MA	Zip: 01880	County: Middlesex
Telephone no. of facility/site owner: (781) 389-1281				
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: 376 Massachusetts Avenue				
Town: Arlington	State: MA	Zip: 02474	County: Middlesex	
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 <u>✓</u>, if "yes," number: 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No <u>✓</u>, if "yes," date and tracking #: 3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes <u>✓</u> No___ 4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes <u>✓</u> No___			
e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes <u>✓</u> 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: Andrew Clark, NERO, 978-694-3213		f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N <u>✓</u>, if Y, number: 2. phase I or II construction storm water general permit? Y___ N <u>✓</u>, if Y, number: 3. individual NPDES permit? Y___ N <u>✓</u>, if Y, number: 4. any other water quality related permit? Y___ N <u>✓</u>, 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: Emergency remediation of a release of number 2 fuel. Groundwater will be recovered from frac tanks, treated on site with with clay anthracite and activated carbon, and discharged to Lake Quannapowitt.		
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 <u>✓</u> 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.
3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>71:05</u> lat. <u>42:30</u> ; 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>02/15/09</u> end <u>12/31/10</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		2540D	4	317K			
2. Total Residual Chlorine	☒		1		4500	0.2	<0.2			
3. Total Petroleum Hydrocarbons		☒	1		8015	11000	1000K			
4. Cyanide	☒									
5. Benzene	☒		1		8260B	10	<10			
6. Toluene	☒		1		8260B	10	<10			
7. Ethylbenzene		☒	1		8260B	10	31			
8. (m,p,o) Xylenes		☒	1		8260B	10	130			
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	10	<10			
11. Methyl-tert-Butyl Ether (MtBE)	✓		1		8260b	10	<10			
12. tert-Butyl Alcohol (TBA)	✓		1		8260b	10	<10			
13. tert-Amyl Methyl Ether (TAME)	✓		1		8260b	10	<10			
14. Naphthalene		✓	1		8260b	10	70			
15. Carbon Tetra-chloride	✓		1		8260b	10	<10			
16. 1,4 Dichlorobenzene	✓		1		8260b	10	<10			
17. 1,2 Dichlorobenzene	✓		1		8260b	10	<10			
18. 1,3 Dichlorobenzene	✓		1		8260b	10	<10			
19. 1,1 Dichloroethane	✓		1		8260b	10	<10			
20. 1,2 Dichloroethane	✓		1		8260b	10	<10			
21. 1,1 Dichloroethylene	✓		1		8260b	10	<10			
22. cis-1,2 Dichloro-ethylene	✓		1		8260b	10	<10			
23. Dichloromethane (Methylene Chloride)	✓		1		8260b	10	<10			
24. Tetrachloroethylene	✓		1		8260b	10	<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)
25. 1,1,1 Trichloroethane	✓		1		8260b	10	<10			
26. 1,1,2 Trichloroethane	✓		1		8260b	10	<10			
27. Trichloroethylene	✓		1		8260b	10	<10			
28. Vinyl Chloride	✓		1		8260b	10	<10			
29. Acetone	✓		1		8260b	10	<10			
30. 1,4 Dioxane	✓		1		8260b	10	<10			
31. Total Phenols			1		8260b	10	<10			
32. Pentachlorophenol	✓		1		8260b	10	<10			
33. Total Phthalates ⁵ (Phthalate esthers)	✓		1		8260b	10	<10			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1		8260b	10	<10			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)			1							
a. Benzo(a) Anthracene	✓		1		8270c					
b. Benzo(a) Pyrene	✓		1		8270c					
c. Benzo(b) Fluoranthene	✓		1		8270c					
d. Benzo(k) Fluoranthene	✓		1		8270c					
e. Chrysene	✓				8270c					

⁵The 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	G	8270c					
g. Indeno(1,2,3-cd) Pyrene	✓		1	G	8270c					
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)			1	G	8270c					
h. Acenaphthene	✓			G	8270c					
i. Acenaphthylene	✓			G	8270c					
j. Anthracene	✓			G	8270c					
k. Benzo(ghi) Perylene	✓			G	8270c					
l. Fluoranthene	✓			G	8270c					
m. Fluorene	✓			G	8270c					
n. Naphthalene-	✓			G	8270c					
o. Phenanthrene	✓			G	8270c					
p. Pyrene	✓			G	8270c					
37. Total Polychlorinated Biphenyls (PCBs)	✓			G						
38. Antimony	✓		1	G	6010b	.10	<.10			
39. Arsenic	✓		1	G	6010b	.05	<.05			
40. Cadmium	✓		1	G	6010b	.005	<.005			
41. Chromium III	✓		1	G	6010b	.01	<.01			
42. Chromium VI	✓		1	G	6010b	.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	G	SW846	25	<25			
44. Lead	✓		1	G	6010B	0.03	<.03			
45. Mercury	✓		1	G	7470A	0.002	<.002			
46. Nickel	✓		1	G	SW846	40	<40			
47. Selenium	✓		1	G	SW846	0.05	<0.05			
48. Silver	✓		1	G	SW846	0.007	<.007			
49. Zinc	✓		1	G	SW846	.01	<.01			
50. Iron	✓		1	G	SW846	100	<200			
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:

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 organophilic 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): Organophilic 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: Lake Quannapowitt (93060) MA93060_2002 Wakefield 250 acres						

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 0 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)?

Noxious aquatic plants

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 11/26/08 and 12/29/08 are attached.

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

See attached Figure 2 for the Saugus River Watershed.

See attached Figure 3 for the site map showing recovery well location (RW1) .

See attached Figure 4 for the 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.

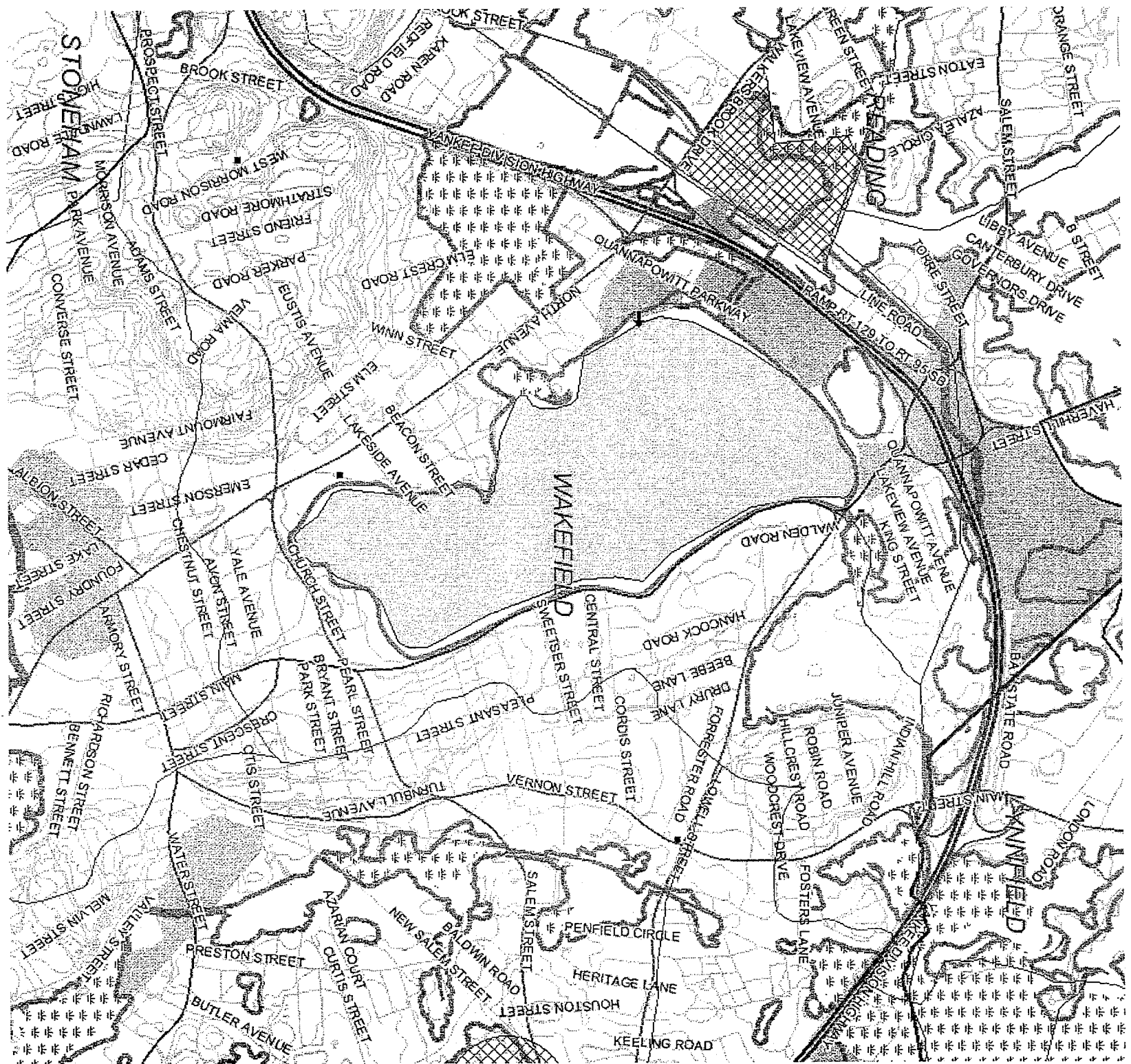
Facility/Site Name: Commonwealth Tank Inc

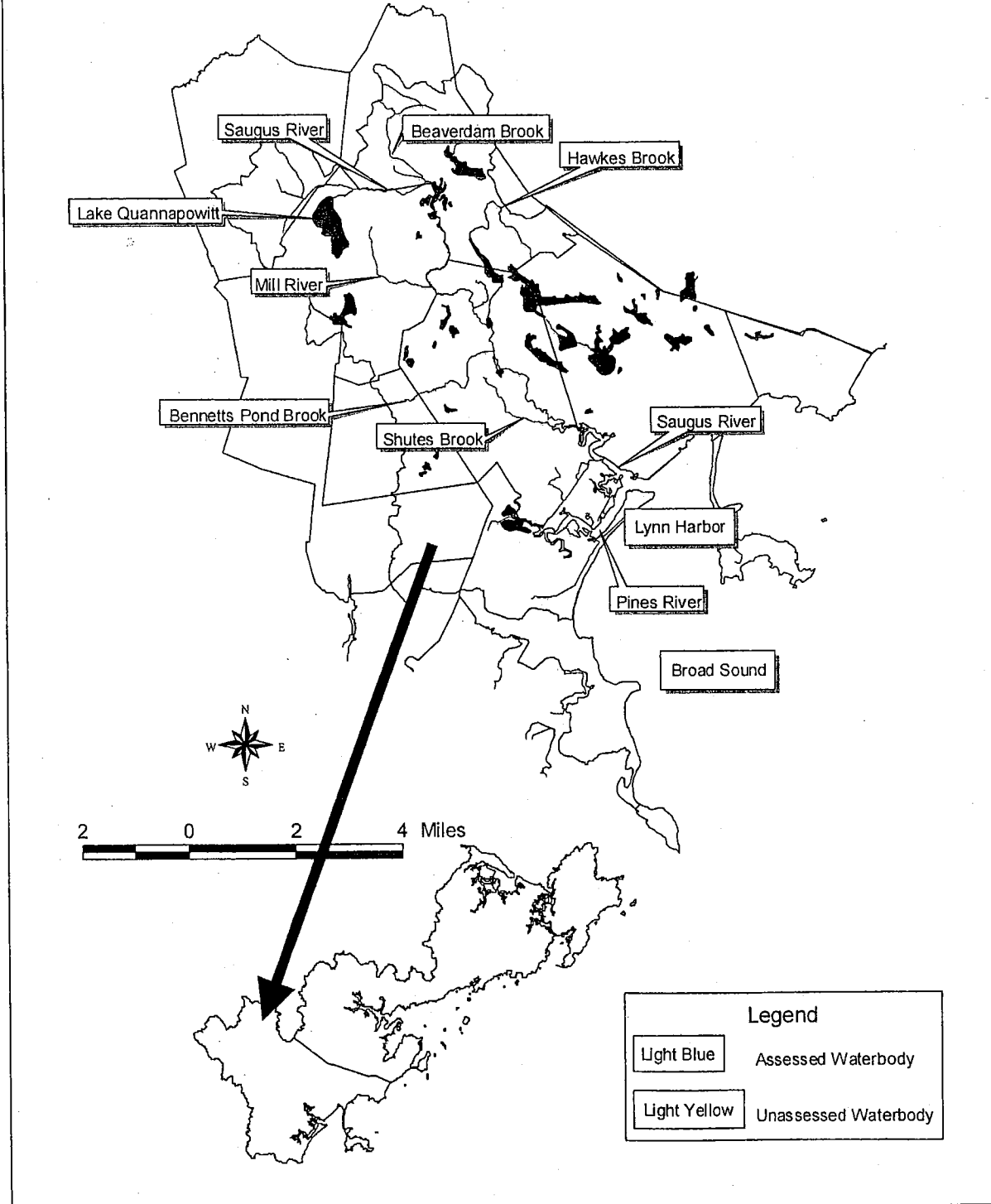
Operator signature:

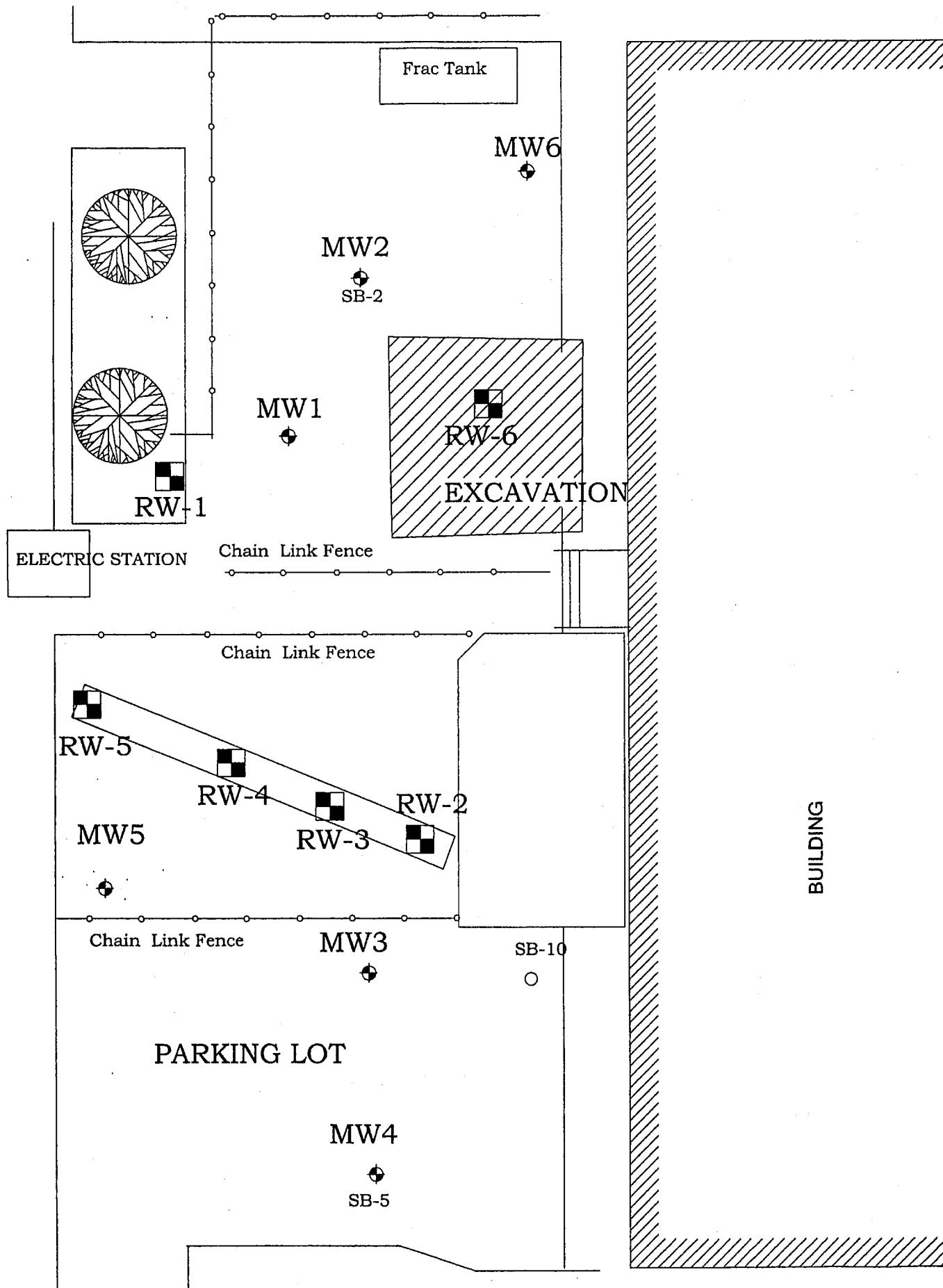


Title: Project Manager

Date: 01/19/09







Commonwealth Tank Inc.

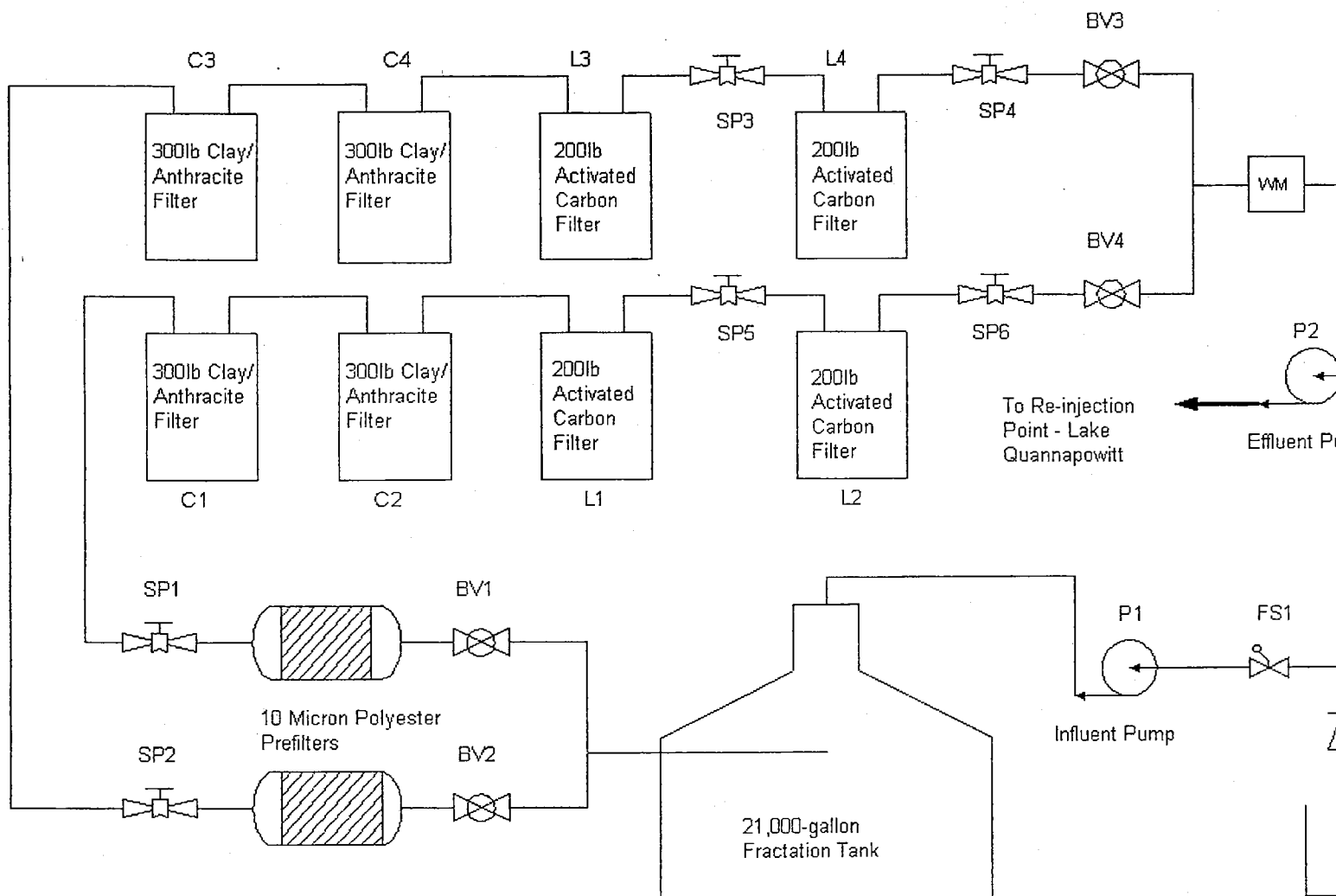
Monitoring Well Location Plan

LAKESIDE VISTA, LLC
599 NORTH AVE.
WAKEFIELD MA.

Scale : N/S

DATE : 11/18/08

Drawn By: sm



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

Comm

Installation | Maintenance

Sample	Method	Client Identity	Units	Matrix	Analyst
08120259-001	SM 4500-H-B	RW-6	units	Groundwater	VickiP

Start Date/Time Sampled: 12/29/2008 2:30:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
pH		6.70 units		12/30/2008 3:45:00 PM	1	0

Sample	Method	Client Identity	Units	Matrix	Analyst
08120259-001	SW 8260B	RW-6	ug/L	Groundwater	TimD

Start Date/Time Sampled: 12/29/2008 2:30:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,1,1,2-Tetrachloroethane	630-20-6	< 10 ug/L		12/31/2008	10	10
1,1,1-Trichloroethane	71-55-6	< 10 ug/L		12/31/2008	10	10
1,1,2,2-Tetrachloroethane	79-34-5	< 10 ug/L		12/31/2008	10	10
1,1,2-Trichloroethane	79-00-5	< 10 ug/L		12/31/2008	10	10
1,1-Dichloroethane	75-34-3	< 10 ug/L		12/31/2008	10	10
1,1-Dichloroethene	75-35-4	< 10 ug/L		12/31/2008	10	10
1,1-Dichloropropene	563-58-6	< 10 ug/L		12/31/2008	10	10
1,2,3-Trichlorobenzene	87-61-6	< 10 ug/L		12/31/2008	10	10
1,2,3-Trichloropropane	96-18-4	< 10 ug/L		12/31/2008	10	10
1,2,4-Trichlorobenzene	120-82-1	< 10 ug/L		12/31/2008	10	10
1,2,4-Trimethylbenzene	95-63-6	140 ug/L		12/31/2008	10	10
1,2-Dibromo-3-Chloropropane	96-12-8	< 10 ug/L		12/31/2008	10	10
1,2-Dibromoethane	106-93-4	< 10 ug/L		12/31/2008	10	10
1,2-Dichlorobenzene	95-50-1	< 10 ug/L		12/31/2008	10	10
1,2-Dichloroethane	107-06-2	< 10 ug/L		12/31/2008	10	10
1,2-Dichloropropane	78-87-5	< 10 ug/L		12/31/2008	10	10
1,3,5-Trichlorobenzene	108-70-3	< 10 ug/L		12/31/2008	10	10
1,3,5-Trimethylbenzene	108-67-8	42 ug/L		12/31/2008	10	10
1,3-Dichlorobenzene	541-73-1	< 10 ug/L		12/31/2008	10	10
1,3-Dichloropropane	142-28-9	< 10 ug/L		12/31/2008	10	10
1,4-Dichlorobenzene	106-46-7	< 10 ug/L		12/31/2008	10	10



317 Elm Street
Milford, NH 03055

(603) 673-5440

Sales@chemservelab.com

Sample	Method	Client Identity	Units	Matrix	Analyst
08120259-001	SW 82608	RW-6	ug/L	Groundwater	TimD

Start Date/Time Sampled: 12/29/2008 2:30:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 200 ug/L		12/31/2008	10	200
2,2-Dichloropropane	594-20-7	< 10 ug/L		12/31/2008	10	10
2-Butanone	78-93-3	< 100 ug/L		12/31/2008	10	100
2-Chloroethyl Vinyl Ether	110-75-8	< 100 ug/L		12/31/2008	10	100
2-Chlorotoluene	95-49-8	< 10 ug/L		12/31/2008	10	10
2-Ethoxy-2-Methyl Propane (ETBE)	637-92-3	< 10 ug/L		12/31/2008	10	10
2-Hexanone	591-78-6	< 100 ug/L		12/31/2008	10	100
2-Methoxy-2-Methyl Butane (TAME)	994-05-8	< 10 ug/L		12/31/2008	10	10
2-Methoxy-2-Methyl Propane (MTBE)	1634-04-4	< 10 ug/L		12/31/2008	10	10
2-Methyl-2-Propanol (TBA)	75-65-0	< 200 ug/L		12/31/2008	10	200
4-Chlorotoluene	106-43-4	< 10 ug/L		12/31/2008	10	10
4-Isopropyltoluene	99-87-6	15 ug/L		12/31/2008	10	10
4-Methyl-2-Pentanone	108-10-1	< 100 ug/L		12/31/2008	10	100
Acetone	67-64-1	< 500 ug/L		12/31/2008	10	500
Acrolein	107-02-8	< 50 ug/L		12/31/2008	10	50
Acrylonitrile	107-13-1	< 50 ug/L		12/31/2008	10	50
Benzene	71-43-2	< 10 ug/L		12/31/2008	10	10
Bromobenzene	108-86-1	< 10 ug/L		12/31/2008	10	10
Bromochloromethane	74-97-5	< 10 ug/L		12/31/2008	10	10
Bromodichloromethane	75-27-4	< 6 ug/L		12/31/2008	10	6
Bromoform	75-25-2	< 10 ug/L		12/31/2008	10	10
Bromomethane	74-83-9	< 10 ug/L		12/31/2008	10	10
Carbon Disulfide	75-15-0	< 10 ug/L		12/31/2008	10	10
Carbon Tetrachloride	56-23-5	< 10 ug/L		12/31/2008	10	10
Chlorobenzene	108-90-7	< 10 ug/L		12/31/2008	10	10
Chloroethane	75-00-3	< 10 ug/L		12/31/2008	10	10
Chloroform	67-66-3	< 10 ug/L		12/31/2008	10	10
Chloromethane	74-87-3	< 10 ug/L		12/31/2008	10	10
Cis-1,2-Dichloroethene	156-59-2	< 10 ug/L		12/31/2008	10	10
Cis-1,3-Dichloropropene	10061-01-5	< 10 ug/L		12/31/2008	10	10
Dibromochloromethane	124-48-1	< 10 ug/L		12/31/2008	10	10
Dibromomethane	74-95-3	< 10 ug/L		12/31/2008	10	10



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Sample	Method	Client Identity	Units	Matrix	Analyst
08120259-001	SW 8260B	RW-6	ug/L	Groundwater	TimD

Start Date/Time Sampled: 12/29/2008 2:30:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Dichlorodifluoromethane	75-71-8	< 10 ug/L		12/31/2008	10	10
Diethyl Ether	60-29-7	< 50 ug/L		12/31/2008	10	50
Di-Isopropyl Ether	108-20-3	< 10 ug/L		12/31/2008	10	10
Ethylbenzene	100-41-4	31 ug/L		12/31/2008	10	10
Hexachlorobutadiene	87-68-3	< 5 ug/L		12/31/2008	10	5
Isopropylbenzene	98-82-8	< 10 ug/L		12/31/2008	10	10
M/P-Xylene		78 ug/L		12/31/2008	10	10
Methylene Chloride	75-09-2	< 50 ug/L		12/31/2008	10	50
Naphthalene	91-20-3	70 ug/L		12/31/2008	10	10
N-Butylbenzene	104-51-8	< 10 ug/L		12/31/2008	10	10
N-Propylbenzene	103-65-1	14 ug/L		12/31/2008	10	10
O-Xylene	95-47-6	52 ug/L		12/31/2008	10	10
Sec-Butylbenzene	135-98-8	< 10 ug/L		12/31/2008	10	10
Styrene	100-42-5	< 10 ug/L		12/31/2008	10	10
Tert-Butylbenzene	98-06-6	< 10 ug/L		12/31/2008	10	10
Tetrachloroethene	127-18-4	< 10 ug/L		12/31/2008	10	10
Tetrahydrofuran	109-99-9	< 50 ug/L		12/31/2008	10	50
Toluene	108-88-3	< 10 ug/L		12/31/2008	10	10
Trans-1,2-Dichloroethene	156-60-5	< 10 ug/L		12/31/2008	10	10
Trans-1,3-Dichloropropene	10061-02-6	< 10 ug/L		12/31/2008	10	10
Trichloroethene	79-01-6	< 10 ug/L		12/31/2008	10	10
Trichlorofluoromethane	75-69-4	< 10 ug/L		12/31/2008	10	10
Vinyl Chloride	75-01-4	< 10 ug/L		12/31/2008	10	10



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

Commonwealth Tank Environmental Inc.

Kim Dobosz
84 New Salem Street
Wakefield MA 01880

Control #: 75694
Project Number: 13048
Project Name: Lakeside Vista LLC
Project Location: 599 North Ave Wakefield, MA

Analytical Results

Lab ID: 08120013
Date: 12/10/2008

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SM 2540D	MW-1	mg/L	Groundwater	HeatherM

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Total Suspended Solids		317 mg/L		12/2/2008	1	4

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SM 4500-CL-G	MW-1	mg/L	Groundwater	LyleH

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Residual Chlorine Total		< 0.2 mg/L	RO	12/1/2008 4:45:00 PM	1	0.2

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SM 4500-H-B	MW-1	units	Groundwater	VickiP

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
pH		6.16 units	RO	12/1/2008 4:10:00 PM	1	0

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 1030	MW-1	°F	Groundwater	HeatherM

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Flashpoint		>165		12/2/2008	1	70

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 3005A	MW-1		Groundwater	CharleneF

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Hot Plate Digestion				12/4/2008	1	0



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Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 3510C	MW-1		Groundwater	CalebH

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction Sw 8082				12/3/2008	1	0

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 6010B	MW-1	mg/L	Groundwater	LyleH

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Arsenic	7440-38-2	< 0.05 mg/L		12/4/2008	1	0.05
Barium	7440-39-3	0.026 mg/L		12/4/2008	1	0.01
Cadmium	7440-43-9	< 0.005 mg/L		12/4/2008	1	0.005
Chromium	7440-47-3	< 0.01 mg/L		12/4/2008	1	0.01
Lead	7439-92-1	< 0.03 mg/L		12/4/2008	1	0.03
Selenium	7782-49-2	< 0.05 mg/L		12/4/2008	1	0.05
Silver	7440-22-4	< 0.007 mg/L		12/4/2008	1	0.007

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 7470A	MW-1	mg/L	Groundwater	LyleH

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Mercury	7439-97-6	< 0.0002 mg/L		12/5/2008	1	0.0002

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 8015	MW-1		Groundwater	CalebH

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction SW 8015				12/3/2008	1	0
TPH as Diesel		1000000 ug/L		12/5/2008	106	11000
TPH as Lube Oil		< 210 ug/L		12/5/2008	2.12	210

Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 8082	MW-1	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Aroclor 1016/1242		< 0.2 ug/L		12/4/2008	1	0.2
Aroclor 1221	11104-28-2	< 0.2 ug/L		12/4/2008	1	0.2



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Sample	Method	Client Identity	Units	Matrix	Analyst
08120013-001	SW 8082	MW-1	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 11/26/2008 11:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Aroclor 1232	11141-16-5	< 0.2 ug/L		12/4/2008	1	0.2
Aroclor 1248	12672-29-6	< 0.2 ug/L		12/4/2008	1	0.2
Aroclor 1254	11097-69-1	< 0.2 ug/L		12/4/2008	1	0.2
Aroclor 1260	11096-82-5	< 0.2 ug/L		12/4/2008	1	0.2

Qualifier: Description:

B-	Method blank contaminated with target analyte.
B1-	BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2-	BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G-	Reporting limit elevated due to matrix interference.
H-	Method prescribed holding time exceeded.
J-	Indicates an estimated value. Value is less than the quantitation limit.
LH-	Laboratory control spike(s) was high. Results may be biased high.
LL-	Laboratory control spike(s) was low. Results may be biased low.
MH-	Matrix spike recovery high due to matrix. Results may be biased high.
ML-	Matrix spike recovery low due to matrix. Results may be biased low.
NC-	Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R-	RPD outside acceptable recovery limits.
RO-	Sample received out of holding time.
SH-	Surrogate recovery high due to matrix
SL-	Surrogate recovery low due to matrix
TNTC-	Too numerous to count.
U-	BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.