

MAG-910260



RESOURCE CONTROLS

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September 14, 2006

Mr. George Papadopoulos
RGP-NOC Processing
Municipal Assistance Unit (CMU)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Subject: Breault Residence
46 Conant Street
Gardner, Massachusetts
RTN 2-15814

Dear Mr. Papadopoulos:

On behalf of Mr. Paul Breault, Resource Control Associates, Inc. (Resource Controls) is seeking coverage under the United States Environmental Protection Agency's (U.S. EPA) National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP) for treated groundwater discharge from Mr. Breault's property located at 46 Conant Street in Gardner, Massachusetts (herein after referred to as the "Site"). Pursuant to Part I.B.2 of the RGP, facilities with on-going discharges associated with state-approved remediation projects are eligible for coverage under the RGP. The purpose of this letter is to serve as a permit application and cover letter for the Notice of Intent (NOI) included as Attachment A. Discharge of treated groundwater at the Site was formerly conducted under NPDES permit exclusion letter MA 05I-031 issued on July 14, 2005.

In accordance with the instructions set forth in Appendix V of the RGP, general facility/site information is included in Section 1 of the NOI. A Locus Map illustrating the location of the Site relative to regional features is included as Figure 1. Discharge information is included in Section 2, and a Process Flow Diagram and Site Plan illustrating the single outfall location are included as Figures 2 and 3, respectively.

Contaminant information is included in Section 3 of the NOI, and recent laboratory analytical results for all parameters listed in Appendix III of the RGP are included in Attachment B. An influent sample of the groundwater was collected from sump at the residential home on December 21, 2005.

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Based on the analytical results and the environmental investigations and remedial activities conducted at the Site, the potential discharge was determined to fall within the "Fuel Oils (and Other Oils) Only" category under the RGP. As summarized in Section 3, the pH measured in a sample collected from recovery well RW-2 was 6.1 standard pH units (s.u.). This level is below the range acceptable for Class B surface waters in Massachusetts. As such, Resource Controls has requested approval from the Massachusetts Department of Environmental Protection to expand the pH range to 6 to 9 s.u. Upon approval from the MADEP, a Notice of Change will be submitted to the US Environmental Protection Agency. A copy of the letter documenting this request is included in Attachment C.

Treatment system information is included in Section 4, and can be summarized as follows: groundwater pumped from a sump located in the basement floor is pumped through bag filter units with 25 micron filter media where suspended solids and metals are removed and liquid phase granular activated carbon where the home heating oil related compounds are recovered. As part of upcoming remedial activities, groundwater will be dewatered into a 21,000-gallon fractionation tank and then treated and discharged in the same manner described above. The treated effluent is discharged through a 2-inch drain line to a catch basin located on Mr. Breault's property; the effluent then flows southwest to the unnamed stream and associated wetlands west of the Site. The unnamed stream and associated wetlands also receive the untreated road runoff from Route 2, via catch basins and a drain line that traverses the Site and empties into the unnamed stream at the same location as the catch basin on the Site. Receiving water information is included in Section 5 of the NOI.

Historically, the average flow rate from the system has ranged from 6 to 15 gallons per minute. The anticipated average flow rate for the treatment system for the remedial activities is 35 gallons per minute. Treatment system samples have been collected on a monthly basis from the influent and effluent of the system pursuant to an updated NPDES Permit Exclusion letter. Monthly discharge monitoring reports were submitted to the USEPA and the MADEP.

The US Environmental Protection Agency (USEPA) is seeking to ensure that wastewater discharges under the RGP do not adversely affect endangered and threatened species, critical habitat, and/or essential fish habitat. As required under Part I.B.5 of the RGP, all applicants must comply with Appendix VII, Section I, regarding consultation with federal services on endangered species issues. As such, Resource Controls requested any available information regarding the presence of endangered or threatened species, critical habitat, and/or essential fish habitat in the proximity of the Site and a determination as to whether the Site discharge and related activities are likely to adversely affect these species and/or habitats through an informal consultation with the US Fish and Wildlife Service and the National Marine Fisheries Service under Section 7 of the Endangered Species Act. Copies of the letters documenting these requests are included in Attachment C. In addition, Resource Controls reviewed the Massachusetts Geographic Information System (MassGIS) Natural Heritage and Endangered Species (NHESP) data layer. No estimated habitats of Rare Wildlife in Wetlands are located within 0.5 mile of the discharge. The MCP Site Scoring Map illustrating the NHESP data layer is included as Attachment D.

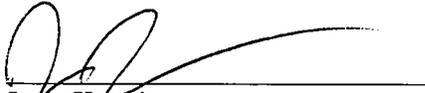
In accordance with Appendix VII of the RGP, Resource Controls reviewed the National Register of Historic Places website and the Massachusetts Cultural Resource Information System (MARCIS) database to determine whether historic properties are located near the discharge. The closest historic property to the Site is the Miss Toy Town Dinner located on Main Street in Gardner. This historic property is located on the other side of Route 2 and is upgradient of the Site and therefore is unlikely to be impacted by the discharge at the Site.

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If you have any questions or require additional information, please contact the undersigned at (401) 728-6860.

Very truly yours,

RESOURCE CONTROL ASSOCIATES, INC.



Jesse Krawiec
Project Manager



Robert C. Atwood, PE, LSP
President & CEO

Enclosures

cc: Mr. Paul Breault
MADEP – Division of Watershed Management
MADEP – CERO

JVF/JK

FIGURES



Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs
1988 USGS Topographic Map - Gardner, Massachusetts Quadrangle



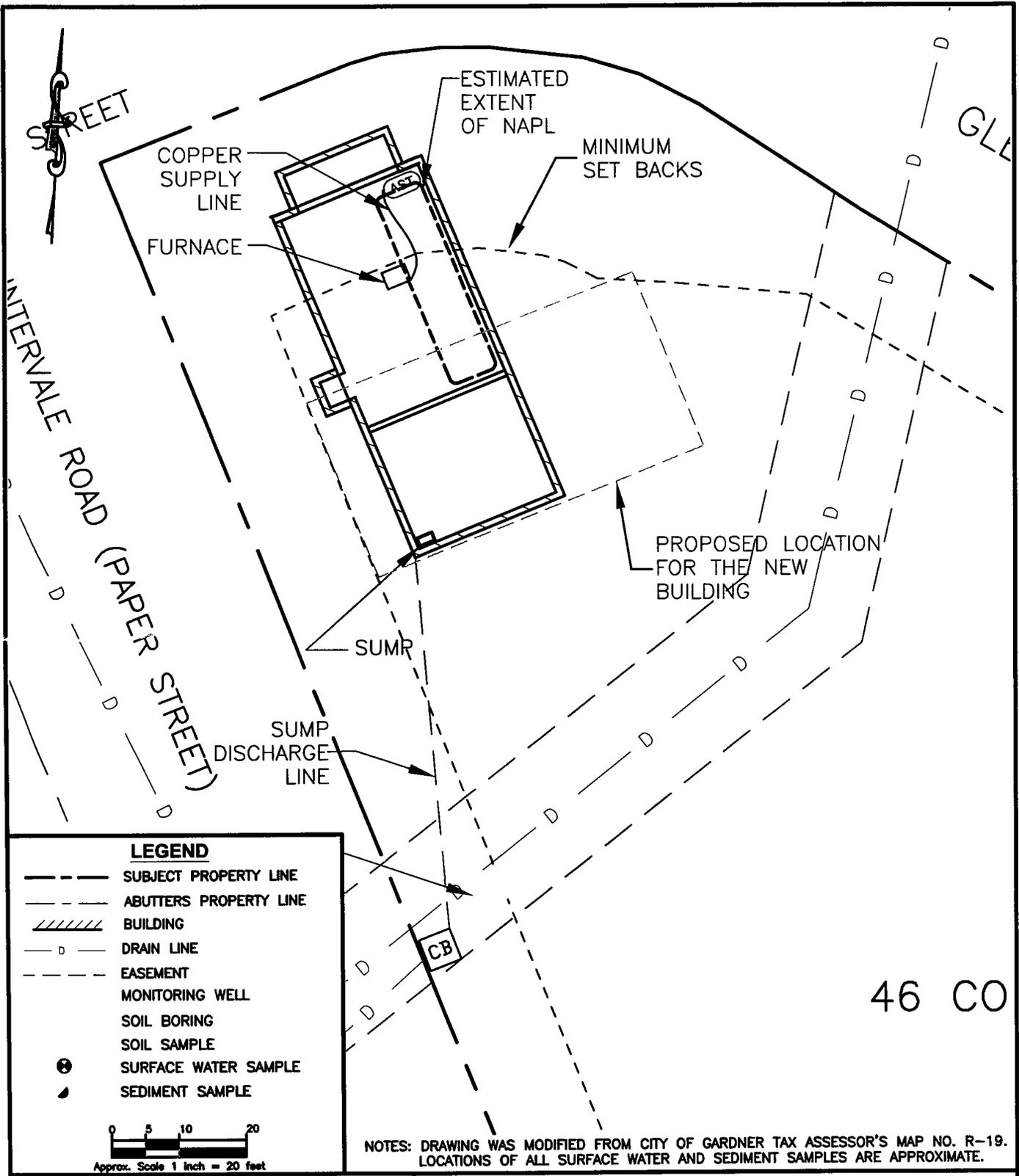
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LOCUS MAP

**46 CONANT STREET
GARDNER, MASSACHUSETTS**

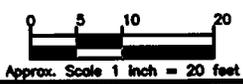
DRAWN BY	PROJECT	PRINT DATE	FIGURE
DFW	A6689	06/30/2006	1



46 CO

LEGEND

- SUBJECT PROPERTY LINE
- ABUTTERS PROPERTY LINE
- /// BUILDING
- D- DRAIN LINE
- - - EASEMENT
- MONITORING WELL
- SOIL BORING
- SOIL SAMPLE
- ⊗ SURFACE WATER SAMPLE
- SEDIMENT SAMPLE



NOTES: DRAWING WAS MODIFIED FROM CITY OF GARDNER TAX ASSESSOR'S MAP NO. R-19. LOCATIONS OF ALL SURFACE WATER AND SEDIMENT SAMPLES ARE APPROXIMATE.

DEMOLITION & REBUILD APPROACH SITE PLAN

**46 CONANT STREET
GARDNER, MASSACHUSETTS**

F:\Technical_Information\CAD_Standard\RCA_Logo1.jpg

DRAWN BY	PROJECT	PRINT DATE	FIGURE
JVF	A6689	01/04/2006	2

ATTACHMENT A

Notice of Intent

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 : Breault Residence		Facility/site address:	
Location of facility/site : longitude: <u>-71.985 W</u> latitude: <u>42.566 N</u>	Facility SIC code(s): Not applicable	Street: 46 Conant Street	
b) Name of facility/site owner : Mr. Paul Breault		Town: Gardner	
Email address of owner: Not applicable		State:	Zip:
Telephone no. of facility/site owner : (978) 621-8368		MA	01440
Fax no. of facility/site owner :		County: Worcester	
Address of owner (if different from site):		Owner is (check one): 1. Federal ___ 2. State/Tribal ___	
Street: 69 Conant Street		3. Private <input checked="" type="checkbox"/> 4. other, if so, describe:	
Town: Gardner	State: MA	Zip: 01440	County: Worcester
c) Legal name of operator :		Operator telephone no: (401) 728-6860	
Resource Control Associates, Inc.		Operator fax no.: (401) 727-1849	Operator email: ratwood@resourcecontrols.com
Operator contact name and title: Mr. Robert C. Atwood, PE, LSP, President and CEO			
Address of operator (if different from owner):		Street: 474 Broadway	
Town: Pawtucket	State: RI	Zip: 02860	County: Providence
d) Check "yes" or "no" for the following:			
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes <input checked="" type="checkbox"/> No ___ , if "yes," number: MA 05I-079			
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes ___ No <input checked="" type="checkbox"/> , if "yes," date and tracking #:			
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes <input checked="" type="checkbox"/> No ___			
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes <input checked="" type="checkbox"/> No ___			

<p>e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>If "yes," please list:</p> <ol style="list-style-type: none"> 1. site identification # assigned by the state of NH or MA: RTN 2-15814 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: 	<p>f) Is the site/facility covered by any other EPA permit, including:</p> <ol style="list-style-type: none"> 1. multi-sector storm water general permit? Y <input type="checkbox"/> N <input checked="" type="checkbox"/>, if Y, number: 2. phase I or II construction storm water general permit? Y <input type="checkbox"/> N <input checked="" type="checkbox"/>, if Y, number: 3. individual NPDES permit? Y <input type="checkbox"/> N <input checked="" type="checkbox"/>, if Y, number: 4. any other water quality related permit? Y <input type="checkbox"/> N <input checked="" type="checkbox"/>, if Y, number:
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2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

<p>a) Describe the discharge activities for which the owner/applicant is seeking coverage: Operation and maintenance of a treatment system.</p>			
<p>b) Provide the following information about each discharge:</p>	<table border="1"> <tr> <td style="vertical-align: top;"> <p>1) Number of discharge points:</p> <p>One (1)</p> </td> <td style="vertical-align: top;"> <p>2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.223</u> Average flow <u>0.078</u> Is maximum flow a design value? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. Max design is 100 gallons/minute and is anticipated to treat over an 8 hour day = 35 g/min daily average</p> </td> </tr> </table>	<p>1) Number of discharge points:</p> <p>One (1)</p>	<p>2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.223</u> Average flow <u>0.078</u> Is maximum flow a design value? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. Max design is 100 gallons/minute and is anticipated to treat over an 8 hour day = 35 g/min daily average</p>
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<p>3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>-71.985 W</u> lat. <u>42.566 N</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.</p>			
<p>4) If hydrostatic testing, total volume of the discharge (gals):</p>	<p>5) Is the discharge intermittent <u>No</u> or seasonal <u>No</u>? Is discharge ongoing Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>?</p>		
<p>c) Expected dates of discharge (mm/dd/yy): start <u>10/21/2005</u> end <u>Undetermined</u></p>			
<p>d) Please attach a line drawing or flow schematic showing water flow through the facility including: See Figure 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).</p>			

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	SM 2540 D	10 mg/l	NA	NA	170,000	46.5
2. Total Residual Chlorine	✓		1	Grab	SM 4500- Cl G	0.2 mg/l	NA	NA	< 200	NA
3. Total Petroleum Hydrocarbons		✓	1	Grab	EPA 8015B	2.4 mg/l	NA	NA	33,000	9.0
4. Cyanide	✓		1	Grab	EPA 9012A	0.01 mg/l	NA	NA	< 10	NA
5. Benzene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
6. Toluene		✓	1	Grab	EPA 8260B	1 ug/l	NA	NA	1	0.0003
7. Ethylbenzene		✓	1	Grab	EPA 8260B	1 ug/l	NA	NA	1	0.0003
8. (m,p,o) Xylenes		✓	1	Grab	EPA 8260B	1 ug/l	NA	NA	12	0.003
9. Total BTEX ⁴		✓	1	Grab	EPA 8260B	4 ug/l	NA	NA	14	0.004

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)	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
12. tert-Butyl Alcohol (TBA)	✓		1	Grab	EPA 8260B	40 ug/l	NA	NA	< 40	NA
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
14. Naphthalene		✓	1	Grab	EPA 8260B	1 ug/l	NA	NA	23	0.006
15. Carbon Tetrachloride	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
16. 1,4 Dichlorobenzene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
17. 1,2 Dichlorobenzene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
18. 1,3 Dichlorobenzene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
19. 1,1 Dichloroethane	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
20. 1,2 Dichloroethane	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
21. 1,1 Dichloroethylene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
22. cis-1,2 Dichloroethylene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	EPA 8260B	5 ug/l	NA	NA	< 5	NA
24. Tetrachloroethylene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA

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	EPA 8260B	1 ug/l	NA	NA	< 1	NA
26. 1,1,2 Trichloroethane	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
27. Trichloroethylene	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
28. Vinyl Chloride	✓		1	Grab	EPA 8260B	1 ug/l	NA	NA	< 1	NA
29. Acetone	✓		1	Grab	EPA 8260B	20 ug/l	NA	NA	< 20	NA
30. 1,4 Dioxane	✓		1	Grab	EPA 8260B	1,000 ug/l	NA	NA	< 1,000	NA
31. Total Phenols	✓		1	Grab	EPA 625	1430 ug/l	NA	NA	< 1430	NA
32. Pentachlorophenol	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
33. Total Phthalates ⁶ (Phthalate esters)	✓		1	Grab	EPA 625	550 ug/l	NA	NA	< 514	NA
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]			1	Grab	EPA 625	110 ug/l	NA	NA	74*	0.02
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	Grab	EPA 625	770 ug/l	NA	NA	< 770	NA
a. Benzo(a) Anthracene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	<110	NA
b. Benzo(a) Pyrene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	<110	NA
c. Benzo(b)Fluoranthene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	<110	NA
d. Benzo(k) Fluoranthene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	<110	NA
e. Chrysene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	<110	NA

* Indicates an estimated value detected below the reporting limit for the analyte.

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	EPA 625	110 ug/l	NA	NA	< 110	NA
g. Indeno(1,2,3-cd) Pyrene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	Grab	EPA 625	990 ug/l	NA	NA	< 952	NA
h. Acenaphthene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
i. Acenaphthylene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
j. Anthracene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
k. Benzo(ghi) Perylene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
l. Fluoranthene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
m. Fluorene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
n. Naphthalene-	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
o. Phenanthrene			1	Grab	EPA 625	110 ug/l	NA	NA	72*	0.02
p. Pyrene	✓		1	Grab	EPA 625	110 ug/l	NA	NA	< 110	NA
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	Grab	EPA 608	1.4 ug/l	NA	NA	< 1.4	NA
38. Antimony	✓		1	Grab	EPA 7041	0.06 mg/l	NA	NA	< 60	NA
39. Arsenic		✓	1	Grab	EPA 6010B	0.01 mg/l	NA	NA	20	0.005
40. Cadmium	✓		1	Grab	EPA 6010B	0.005 mg/l	NA	NA	< 5	NA
41. Chromium (TOTAL)	✓		1	Grab	EPA 6010B	0.01 mg/l	NA	NA	< 10	NA
42. Chromium VI	✓		1	Grab	EPA 7196A	0.01 mg/l	NA	NA	< 10	NA

* Indicates an estimated value detected below the reporting limit for the analyte.

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	EPA 6010B	0.025 mg/l	NA	NA	< 25	NA
44. Lead		✓	1	Grab	EPA 7421	0.005 mg/l	NA	NA	11	0.003
45. Mercury	✓		1	Grab	EPA 7470A	0.0002 mg/l	NA	NA	< 0.2	NA
46. Nickel	✓		1	Grab	EPA 6010B	0.04 mg/l	NA	NA	< 40	NA
47. Selenium	✓		1	Grab	EPA 7740	0.05 mg/l	NA	NA	< 50	NA
48. Silver	✓		1	Grab	EPA 6010B	0.007 mg/l	NA	NA	< 7	NA
49. Zinc	✓		1	Grab	EPA 6010B	0.2 mg/l	NA	NA	< 200	NA
50. Iron		✓	1	Grab	EPA 6010B	0.1 mg/l	NA	NA	75,000	20.5
Other (describe):										

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

<p><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 <input checked="" type="checkbox"/> N <input type="checkbox"/></p>	<p>If yes, which metals? Iron, Lead, Arsenic</p>
<p><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, Lead, Arsenic</u> DF: <u>1.0</u></p>	<p>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 <input checked="" type="checkbox"/> N <input type="checkbox"/> If "Yes," list which metals: Iron, Lead, Arsenic</p>

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 <input checked="" type="checkbox"/>	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>35</u> Maximum flow rate of treatment system <u>100</u> Design flow rate of treatment system <u>100</u>						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): <u>None</u>						

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

a) Identify the discharge pathway:	Direct <input type="checkbox"/>	Within facility <input type="checkbox"/>	Storm drain <input checked="" type="checkbox"/>	River/brook <input checked="" type="checkbox"/>	Wetlands <input checked="" type="checkbox"/>	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: <u>Discharge to catch basin to a drain line and on to an unnamed stream and associated wetlands.</u>						
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: <u>See Figure</u> 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>Class B</u>						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water <u>Not applicable</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 <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, for which pollutant(s)? Is there a TMDL? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> Has any consultation with the federal services been completed? <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes ___ No <input checked="" type="checkbox"/>

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: Breault Residence
Operator signature: 
Title: President & CEO
Date: 9/14/06

ATTACHMENT B
Laboratory Reports



Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

January 11, 2006

Mr. Jesse Krawiec
Resource Control Associates
474 Broadway
Pawtucket, RI 02860

LABORATORY REPORT AMENDMENT

Project: **Breault Residence/A6689**
Lab ID: **90377**
Received: **12-22-05**

Dear Jesse:

Enclosed are the amended analytical results for the above referenced project.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures



Sample Receipt Report

Project: **Breault Residence/A6689** Delivery: **GWA Courier** Temperature: **2.0°C**
Client: **Resource Control Associates** Airbill: **n/a** Chain of Custody: **Present**
Lab ID: **90377** Lab Receipt: **12-22-05** Custody Seal(s): **n/a**

Lab ID	Field ID	Matrix	Sampled	Method	Notes			
90377-1	INF	Aqueous	12/21/05 14:45	SM 4500-Cl G Total Residual Chlorine EPA 7196A Hexavalent Chromium SM 2540 D Total Suspended Solids SM 4500-H + B pH				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C700826	250 mL Glass	Proline	BX18972	None	n/a	n/a	n/a	
C711789	1 L Plastic	Greenwood	BX19386	None	n/a	n/a	n/a	
C698823	500 mL Plastic	Greenwood	BX18828	None	n/a	n/a	n/a	
Lab ID	Field ID	Matrix	Sampled	Method	Notes			
90377-2	INF	Aqueous	12/21/05 14:45	EPA 6010B Fe Se Ag Zn Sb As Cd Cr Cu Pb Ni Total EPA 7041 Antimony by GFAA Sb EPA 7421 Lead by GFAA EPA 7470A Hg Total EPA 7740 Selenium by GFAA				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C698814	500 mL Plastic	Greenwood	BX18828	HNO3	n/a	n/a	n/a	
Lab ID	Field ID	Matrix	Sampled	Method	Notes			
90377-3	INF	Aqueous	12/21/05 14:45	EPA 9012A Total Cyanide				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C780078	500 mL Plastic	Proline	BX19120	NaOH	R-4387A	11-30-05	n/a	
Lab ID	Field ID	Matrix	Sampled	Method	Notes			
90377-4	INF	Aqueous	12/21/05 14:45	TPH by GC EPA 8015B Mod				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C718516	1 L Amber Glass	Proline	BX19251	H2SO4	R-4746A	12-15-05	n/a	
Lab ID	Field ID	Matrix	Sampled	Method	Notes			
90377-5	INF	Aqueous	12/21/05 14:45	EPA 608 PCBs				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C718128	1 L Amber Glass	Proline	BX19238	None	n/a	n/a	n/a	
C718124	1 L Amber Glass	Proline	BX19238	None	n/a	n/a	n/a	
Lab ID	Field ID	Matrix	Sampled	Method	Notes			
90377-6	INF	Aqueous	12/21/05 14:45	EPA 625 Semi-volatile Organics				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C718126	1 L Amber Glass	Proline	BX19238	None	n/a	n/a	n/a	
C718125	1 L Amber Glass	Proline	BX19238	None	n/a	n/a	n/a	
Lab ID	Field ID	Matrix	Sampled	Method	Notes			
90377-7	INF	Aqueous	12/21/05 14:45	EPA 8260B Volatile Organics				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C718251	40 mL VOA Vial	Proline	BX19289	HCl	R-4601F	12-09-05	n/a	
C718239	40 mL VOA Vial	Proline	BX19289	HCl	R-4601F	12-09-05	n/a	
C718227	40 mL VOA Vial	Proline	BX19289	HCl	R-4601F	12-09-05	n/a	

**EPA Method 8260B (Continued)
Volatile Organics by GC/MS**

Field ID: **INF**
Project: **Breault Residence/A6689**
Client: **Resource Control Associates**

Matrix: **Aqueous**
Container: **40 mL VOA Vial**
Preservation: **HCl/Cool**

Laboratory ID: **90377-07**
Sampled: **12-21-05 14:45**
Received: **12-22-05 18:35**
Analyzed: **01-02-06 15:56**
Analyst: **LMG**

QC Batch ID: **VM7-1975-W**
Instrument ID: **M5-7 Agilent 6890**
Sample Volume: **25 ml**
Dilution Factor: **2**

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CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromofom	BRL		ug/L	1
98-82-8	Isopropylbenzene	3		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	n-Propylbenzene	3		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	6		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	tert-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	15		ug/L	1
135-98-8	sec-Butylbenzene	4		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	4		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	n-Butylbenzene	5		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorocyclopentadiene	BRL		ug/L	1
91-20-3	Naphthalene	23		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	tert-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl tert-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	tert-Amyl Methyl Ether (TAME)	BRL		ug/L	1

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	102 %	70 - 130 %
1,2-Dichloroethane-d ₂	10	11	108 %	70 - 130 %
Toluene-d ₈	10	8.5	85 %	70 - 130 %
4-Bromofluorobenzene	10	7.3	73 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

Project Narrative

Project: **Breault Residence/A6689**
Client: **Resource Control Associates**

Lab ID: **90377**
Received: **12-22-05 18:35**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

- Sample 90377-07 was analyzed by EPA Method 8260B List per Julie Vindingof, 1-11-06.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

- EPA 6010B Note: Samples 90377-02. Samples were analyzed for selected target analytes, as requested by client.
- EPA 625 Non-conformance: Sample 90377-06. Reported results for the analyte are less than the low standard of the associated calibration curve. Results are estimated.
- EPA 625 Note: Sample 90377-06. Sample was diluted prior to analysis. Dilution was required to keep all target analytes within calibration due to non-target analyte interference.
- EPA 8260B Note: Sample 90377-07. Sample was diluted prior to analysis. Dilution was required due to observed foaming characteristics of sample. Sample foaming interferes with purge and trap sample concentration.
- EPA 8260B Note: Samples 90377-07. Samples were analyzed for only selected target analytes, as requested by client.
- Sample 90377-02 'INF' for Total Metals analysis was received without preservation. The sample was preserved with HNO₃ upon receipt by the laboratory.
- TPH by GC/FID Non-conformance: Sample 90377-04. Sample had surrogate recoveries outside recommended limits due to required sample dilution.
- TPH by GC/FID Note: Sample 90377-04. Sample was diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
- EPA 8260B Non-conformance: Laboratory Control Sample (LCS) analyte 1,4-Dioxane was above recommended limits for QC batch VM7-1975-W.

**Quality Control Report
Laboratory Control Samples**

Category: EPA Method 8260B
QC Batch ID: VM7-1975-WL
Matrix: Aqueous
Units: ug/L

LCS
Instrument ID: MS-7 Agilent 6890
Analyzed: 01-02-06 09:24
Analyst: LMG

LCS
Instrument ID: MS-7 Agilent 6890
Analyzed: 01-02-06 09:54
Analyst: LMG

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CAS Number	Analyte	LCS			LCS Duplicate				QC Limits		
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD	
75-71-8	Dichlorodifluoromethane	5	4.9	98 %	5	5.1	102 %	4 %	70 - 130 %	25 %	
74-87-3	Chloromethane	5	4.5	91 %	5	4.9	99 %	8 %	70 - 130 %	25 %	
75-01-4	Vinyl Chloride	5	4.4	87 %	5	4.8	95 %	9 %	70 - 130 %	25 %	
74-83-9	Bromomethane	5	4.6	92 %	5	5	100 %	8 %	70 - 130 %	25 %	
75-00-3	Chloroethane	5	4.8	96 %	5	5.2	103 %	7 %	70 - 130 %	25 %	
75-69-4	Trichlorofluoromethane	5	4.9	98 %	5	5.2	104 %	6 %	70 - 130 %	25 %	
60-29-7	Diethyl Ether	10	12	118 %	10	13	126 %	6 %	70 - 130 %	25 %	
75-35-4	1,1-Dichloroethane	5	5.3	106 %	5	5.3	107 %	1 %	70 - 130 %	25 %	
76-13-1	1,1,2-Trichlorotrifluoroethane	10	12	116 %	10	12	120 %	3 %	70 - 130 %	25 %	
67-64-1	Acetone	10	7.5	75 %	10	8.6	86 %	14 %	70 - 130 %	25 %	
75-15-0	Carbon Disulfide	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25 %	
75-09-2	Methylene Chloride	5	5.1	102 %	5	5.2	103 %	2 %	70 - 130 %	25 %	
156-60-5	trans-1,2-Dichloroethane	5	4.9	98 %	5	5	100 %	2 %	70 - 130 %	25 %	
1634-04-4	Methyl tert-butyl Ether (MTBE)	5	5	100 %	5	5.5	110 %	9 %	70 - 130 %	25 %	
75-34-3	1,1-Dichloroethane	5	4.9	97 %	5	5.1	103 %	6 %	70 - 130 %	25 %	
594-20-7	2,2-Dichloropropane	5	4.6	92 %	5	4.8	95 %	4 %	70 - 130 %	25 %	
156-59-2	cis-1,2-Dichloroethane	5	5.1	102 %	5	5.2	103 %	3 %	70 - 130 %	25 %	
78-93-3	2-Butanone (MEK)	10	12	115 %	10	10	104 %	10 %	70 - 130 %	25 %	
74-97-5	Bromochloromethane	5	5.4	108 %	5	5.4	108 %	0 %	70 - 130 %	25 %	
109-99-9	Tetrahydrofuran (THF)	10	12	120 %	10	12	122 %	1 %	70 - 130 %	25 %	
67-66-3	Chloroform	5	5.1	101 %	5	5.1	102 %	1 %	70 - 130 %	25 %	
71-55-6	1,1,1-Trichloroethane	5	4.5	90 %	5	4.7	95 %	6 %	70 - 130 %	25 %	
56-23-5	Carbon Tetrachloride	5	5.3	105 %	5	5.4	107 %	2 %	70 - 130 %	25 %	
563-58-6	1,1-Dichloropropene	5	4.7	94 %	5	4.9	98 %	4 %	70 - 130 %	25 %	
71-43-2	Benzene	5	4.9	98 %	5	5	100 %	1 %	70 - 130 %	25 %	
107-06-2	1,2-Dichloroethane	5	4.1	82 %	5	4	81 %	1 %	70 - 130 %	25 %	
79-01-6	Trichloroethene	5	4.8	96 %	5	5	100 %	3 %	70 - 130 %	25 %	
78-87-5	1,2-Dichloropropane	5	5.1	101 %	5	5	100 %	1 %	70 - 130 %	25 %	
74-95-3	Dibromomethane	5	5.5	109 %	5	5.3	105 %	4 %	70 - 130 %	25 %	
75-27-4	Bromodichloromethane	5	5.5	111 %	5	5.5	111 %	0 %	70 - 130 %	25 %	
123-91-1	1,4-Dioxane	100	150	152 %	q	100	140	140 %	q	70 - 130 %	25 %
10061-01-5	cis-1,3-Dichloropropene	5	4.7	93 %	5	4.7	93 %	0 %	70 - 130 %	25 %	
108-10-1	4-Methyl-2-Pentanone (MIBK)	10	11	110 %	10	12	118 %	7 %	70 - 130 %	25 %	
108-88-3	Toluene	5	5.2	104 %	5	5.2	104 %	0 %	70 - 130 %	25 %	
10061-02-6	trans-1,3-Dichloropropene	5	5.1	102 %	5	5.2	104 %	1 %	70 - 130 %	25 %	
79-00-5	1,1,2-Trichloroethane	5	5.6	112 %	5	5.5	110 %	2 %	70 - 130 %	25 %	
127-18-4	Tetrachloroethene	5	5.7	115 %	5	5.5	111 %	4 %	70 - 130 %	25 %	
142-28-9	1,3-Dichloropropane	5	5.8	117 %	5	5.4	108 %	7 %	70 - 130 %	25 %	
591-78-6	2-Hexanone	10	12	123 %	10	13	128 %	4 %	70 - 130 %	25 %	
124-48-1	Dibromochloromethane	5	6	121 %	5	6.1	122 %	1 %	70 - 130 %	25 %	
106-93-4	1,2-Dibromoethane (EDB)	5	5.6	113 %	5	5.6	112 %	1 %	70 - 130 %	25 %	
108-90-7	Chlorobenzene	5	5.4	108 %	5	5.3	106 %	1 %	70 - 130 %	25 %	
630-20-6	1,1,1,2-Tetrachloroethane	5	5.7	115 %	5	5.6	111 %	3 %	70 - 130 %	25 %	
100-41-4	Ethylbenzene	5	5.5	110 %	5	5.5	110 %	0 %	70 - 130 %	25 %	
108-38-3/106-42-3	meta-Xylene and para-Xylene	10	11	106 %	10	11	105 %	1 %	70 - 130 %	25 %	
95-47-6	ortho-Xylene	5	5.5	110 %	5	5.4	108 %	1 %	70 - 130 %	25 %	
100-42-5	Styrene	5	5.5	111 %	5	5.4	109 %	2 %	70 - 130 %	25 %	
75-25-2	Bromoform	5	5.7	113 %	5	5.6	113 %	0 %	70 - 130 %	25 %	
98-82-8	Isopropylbenzene	5	4.6	92 %	5	4.6	93 %	1 %	70 - 130 %	25 %	

**Quality Control Report
Laboratory Control Samples**

Category: EPA Method 8260B
QC Batch ID: VM7-1975-WL
Matrix: Aqueous
Units: ug/L

LCS
Instrument ID: MS-7 Agilent 6890
Analyzed: 01-02-06 09:24
Analyst: LMG

LCS
Instrument ID: MS-7 Agilent 6890
Analyzed: 01-02-06 09:54
Analyst: LMG

Page: 2 of 2

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-66-1	Bromobenzene	5	5.1	102 %	5	5	100 %	3 %	70 - 130 %	25 %
79-34-5	1,1,2,2-Tetrachloroethane	5	5	101 %	5	5.1	102 %	2 %	70 - 130 %	25 %
96-18-4	1,2,3-Trichloropropane	5	5.7	114 %	5	5.9	117 %	3 %	70 - 130 %	25 %
103-65-1	n-Propylbenzene	5	4.7	94 %	5	4.7	94 %	0 %	70 - 130 %	25 %
95-49-8	2-Chlorotoluene	5	4.9	98 %	5	4.9	98 %	0 %	70 - 130 %	25 %
108-67-8	1,3,5-Trimethylbenzene	5	4.6	93 %	5	4.7	94 %	1 %	70 - 130 %	25 %
106-43-4	4-Chlorotoluene	5	5	101 %	5	5.1	102 %	1 %	70 - 130 %	25 %
98-06-6	tert-Butylbenzene	5	4.7	95 %	5	4.7	93 %	1 %	70 - 130 %	25 %
95-63-6	1,2,4-Trimethylbenzene	5	4.7	93 %	5	4.7	94 %	0 %	70 - 130 %	25 %
135-98-8	sec-Butylbenzene	5	4.7	95 %	5	4.7	94 %	1 %	70 - 130 %	25 %
541-73-1	1,3-Dichlorobenzene	5	4.9	98 %	5	4.8	96 %	2 %	70 - 130 %	25 %
99-87-6	4-Isopropyltoluene	5	4.7	95 %	5	4.7	95 %	0 %	70 - 130 %	25 %
106-46-7	1,4-Dichlorobenzene	5	4.9	98 %	5	4.8	96 %	2 %	70 - 130 %	25 %
95-50-1	1,2-Dichlorobenzene	5	4.9	97 %	5	4.8	97 %	0 %	70 - 130 %	25 %
104-51-8	n-Butylbenzene	5	4.8	95 %	5	4.8	95 %	0 %	70 - 130 %	25 %
96-12-8	1,2-Dibromo-3-chloropropane	5	5.1	102 %	5	5	101 %	1 %	70 - 130 %	25 %
120-82-1	1,2,4-Trichlorobenzene	5	4.6	92 %	5	4.7	94 %	2 %	70 - 130 %	25 %
87-68-3	Hexachlorocyclopentadiene	5	5.2	103 %	5	5	100 %	3 %	70 - 130 %	25 %
91-20-3	Naphthalene	5	4.5	91 %	5	4.7	93 %	3 %	70 - 130 %	25 %
87-61-6	1,2,3-Trichlorobenzene	5	4.7	93 %	5	4.7	95 %	1 %	70 - 130 %	25 %
75-65-0	tert-Butyl Alcohol (TBA)	100	120	115 %	100	120	121 %	5 %	70 - 130 %	25 %
108-20-3	Di-Isopropyl Ether (DIPPE)	5	5.1	102 %	5	5.4	108 %	6 %	70 - 130 %	25 %
637-92-3	Ethyl tert-butyl Ether (ETBE)	5	5.1	101 %	5	5.5	109 %	7 %	70 - 130 %	25 %
994-03-8	tert-Amyl Methyl Ether (TAME)	5	5.3	107 %	5	5.5	110 %	3 %	70 - 130 %	25 %

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	100 %	10	9.9	99 %	70 - 130 %
1,2-Dichloroethane-d ₂	10	9.3	93 %	10	10	104 %	70 - 130 %
Toluene-d ₈	10	9.2	92 %	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	7.5	75 %	10	7.3	73 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations:
All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.
q Recovery outside recommended limits.

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states.
Copies of our current certificates may be obtained from our website:

<http://www.groundwateranalytical.com/qualifications.htm>

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
<http://www.floridadep.org/labs/qa/dohforms.htm>

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
<http://www.state.me.us/dhs/eng/water/Compliance.htm>

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
<http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf>

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
<http://www.des.state.nh.us/asp/NHELAP/labsview.asp>

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
<http://www.wadsworth.org/labcert/elap/comm.html>

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
<http://www.dep.state.pa.us/Labs/Registered/>

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
<http://www.vermontdrinkingwater.org/wsops/labtable.PDF>

ATTACHMENT C

Correspondence



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087



March 31, 2006



Reference: Project Location
NPDES wastewater discharge general permit, remediation Gardner, MA

Jesse Krawiec
Robert Atwood
Resource Control Associates, Inc.
474 Broadway
Pawtucket, RI 02860-1377

Dear Messrs. Krawiec and Atwood:

This responds to your recent correspondence requesting information on the presence of federally-listed and/or proposed endangered or threatened species in relation to the proposed activity(ies) referenced above.

Based on information currently available to us, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required.

This concludes our review of listed species and critical habitat in the project location(s) and environs referenced above. No further Endangered Species Act coordination of this type is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your coordination. Please contact us at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Michael J. Amaral
Endangered Species Specialist
New England Field Office



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
NORTHEAST REGION
One Blackburn Drive
Gloucester, MA 01930-2298



Jesse Krawiec
Resource Controls
474 Broadway
Pawtucket, Rhode Island 02860-1377

MAR 16 2006

Dear Ms. Krawiec,

This responds to your letter dated March 2, 2006 requesting information on the presence of any federally threatened or endangered species in the vicinity of the Breault Residence in Gardner, Massachusetts. Mr. Breault is seeking coverage under the US Environmental Protection Agency's National Pollutant Discharge Elimination System (NPDES) Remediation General Permit for wastewater discharge from his property. To be eligible for permit coverage, the applicant must certify that discharges will not have an adverse affect on any listed species.

No species listed under the jurisdiction of NOAA's National Marine Fisheries Service (NMFS) are known to occur in Gardner, Massachusetts. As such, no further coordination with the Protected Resources Division of NOAA's National Marine Fisheries Service (NMFS) is necessary. If you have any questions regarding this correspondence, please contact Julie Crocker of my staff at (978)281-9328 x6530.

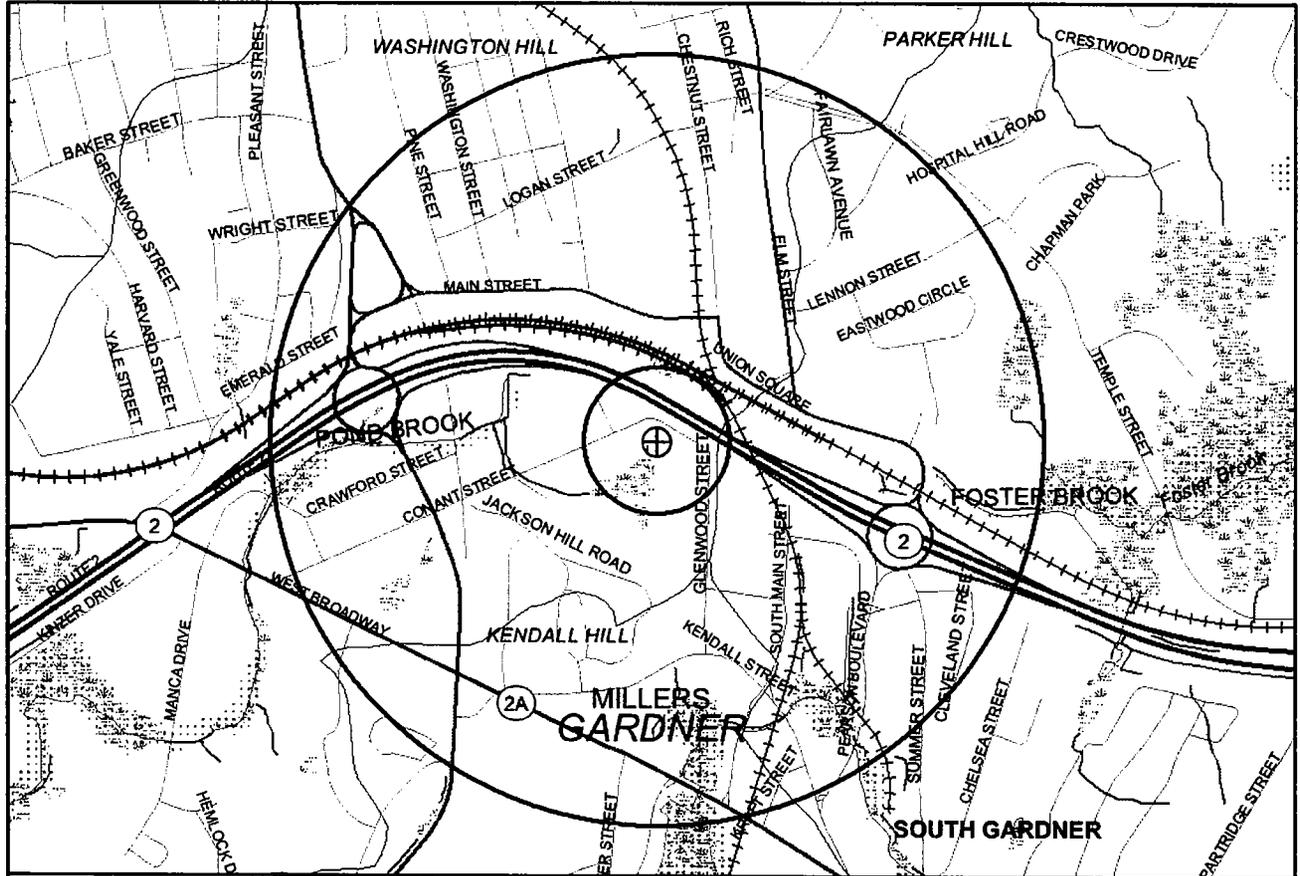
Sincerely,

Mary A. Colligan
Assistant Regional Administrator
for Protected Resources

File Code: Sec 7 - no spp. present MA



ATTACHMENT D
MCP Site Scoring Map



LEGEND

- Zone IIs
- IWPA
- Zone A
- Sole Source Aquifers
- Solid Waste Sites
- Protected Openspace
- ACECs
- NHESP Estimated Habitat of Rare Wildlife in Wetland Areas
- Certified Vernal Pools 2003 NHESP
- Mass Major Basins
- Subbasins
- DEP Region
- Town Arcs
- County Boundaries

- Public Water Supplies**
- Community Public Water Supply - Groundwater
- Community Public Water Supply - Surface Water
- Non-Community Public Water Supply

- Aquifers, By Yield**
- HIGH YIELD
- MEDIUM YIELD

- Non Potential Drinking Water Source Area**
- HIGH YIELD
- MEDIUM YIELD

- FEMA Floodplains**
- 100 YEAR FLOODPLAIN

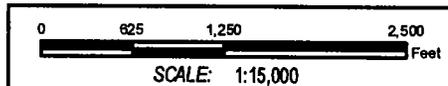
- Hydrography**
- WATER
- RESERVOIR
- WETLANDS
- SALTWATER WETLANDS
- FLATS, SHOALS

- Rivers and Streams**
- PERENNIAL
- INTERMITTENT
- SHORELINE
- MAN MADE SHORE
- DAM
- AQUEDUCT

- MHD Roads**
- LIMITED ACCESS HIGHWAY
- MULT-LANE HWY, NOT LIMITED ACCESS
- OTHER NUMBERED HWY
- MAJOR ROAD - COLLECTOR
- MINOR STREET OR ROAD, RAMP

- Transmission Lines**
- PIPELINE
- POWERLINE
- Trains

- Tracks and Trails MHD**
- TRACK
- TRAIL



Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs
 Note: Black circles represent 500 ft and 1/2 mile radii



**RESOURCE
 CONTROLS**

474 Broadway • Pawtucket, RI 02860

MCP SITE SCORING MAP

46 CONANT STREET
 GARDNER, MASSACHUSETTS

DRAWN BY	PROJECT	PRINT DATE	APPENDIX
JVF	A6689	06/22/2006	B