

OC  
MAG 9/10/92

**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: New Age Auto		Facility/site address: 34 Railroad Avenue	
Location of facility/site: longitude: _____ latitude: _____  -70.928544 42.627168	Facility SIC code(s):	Street: 34 Railroad Avenue	
b) Name of facility/site owner: Emilien J. verrette, Jr.		Town: Peabody	
Email address of owner:		State: Ma	Zip: 01960
Telephone no. of facility/site owner: (978) 283-3558		County: Essex	
Fax no. of facility/site owner:		Owner is (check one): 1. Federal _____ 2. State/Tribal _____	
Address of owner (if different from site):		3. Private <input checked="" type="checkbox"/> 4. other, if so, describe:	
Street: 519 Washington Street			
Town: Gloucester	State: Ma	Zip: 01930	County: Essex
c) Legal name of operator: REW Environmental Consultants, Inc.		Operator telephone no: (978) 777-2055	
		Operator fax no.: (978) 777-6363	Operator email: rewenv@msn.com
Operator contact name and title: Richard Warren, LSP			

Address of operator (if different from owner):		Street: 500 maple Street	
Town: Danvers	State: Ma	Zip: 01923	County: Essex
<p>d) Check "yes" or "no" for the following:</p> <p>1. Has a prior NPDES permit exclusion been granted for the discharge? Yes ___ No <input checked="" type="checkbox"/> if "yes," number:</p> <p>2. Has a prior NPDES application (Form 1 &amp; 2C) ever been filed for the discharge? Yes ___ No <input checked="" type="checkbox"/> if "yes," date and tracking #:</p> <p>3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes ___ No <input checked="" type="checkbox"/></p> <p>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>			
<p>e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes ___ No <input checked="" type="checkbox"/></p> <p>If "yes," please list:</p> <p>1. site identification # assigned by the state of NH or MA:</p> <p>2. permit or license # assigned:</p> <p>3. state agency contact information: name, location, and telephone number:</p>		<p>f) Is the site/facility covered by any other EPA permit, including:</p> <p>1. multi-sector storm water general permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p> <p>2. phase I or II construction storm water general permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p> <p>3. individual NPDES permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p> <p>4. any other water quality related permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p>	

**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:

Excavation of remedial Soils from the former location of an underground fuel oil tank will require the pumping of groundwater in order to enable site contractor's to "excavate in the dry." During excavation groundwater encountered will be pumped into an on-site , frac-tank. Accumulated water will then be pumped through 10 micron filter bags prior to carbon treatment. After bag filtration, water will be treated using activated carbon from a 500-pound carbon vessel. water will then be discharged into the Remedy Implementation Plan Area.

b) Provide the following information about each discharge:	1) Number of discharge points:	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft <sup>3</sup> /s)? Max. flow <u>0.16</u>
	1	Average flow <u>0.23</u> Is maximum flow a design value? Y <input checked="" type="checkbox"/> N ___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. Average flow is cubic feet per second. This is a design Value

3) Latitude and longitude of each discharge within 100 feet: pt.1: long. 70 9 28 54 W lat. 42 52 16 N; 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 <input checked="" type="checkbox"/> or seasonal _____? Is discharge ongoing Yes _____ No <input checked="" type="checkbox"/> ?
c) Expected dates of discharge (mm/dd/yy): start <u>11/02/05</u> end <u>11/03/05</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 <input checked="" type="checkbox"/>	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										
2. Total Residual Chlorine										
3. Total Petroleum Hydrocarbons		<input checked="" type="checkbox"/>	1	grab	MADEP EPH MADEP VPH	<100ug/l	3830			
4. Cyanide										
5. Benzene	<input checked="" type="checkbox"/>		1	grab		<5 ug/l				
6. Toluene	<input checked="" type="checkbox"/>		1	grab		<5 ug/l				
7. Ethylbenzene	<input checked="" type="checkbox"/>		1	grab		<5 ug/l				
8. (m,p,o) Xylenes	<input checked="" type="checkbox"/>		1	grab		<5 ug/l				
9. Total BTEX <sup>4</sup>	<input checked="" type="checkbox"/>		1	grab		<5 ug/l				

<sup>4</sup>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)										
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	grab	MADEP VP	<5 ug/l				
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)										
14. Naphthalene	✓		1	grab	MADEPEH MADEP VP	<10 ug/l				
15. Carbon Tetrachloride										
16. 1,4 Dichlorobenzene										
17. 1,2 Dichlorobenzene										
18. 1,3 Dichlorobenzene										
19. 1,1 Dichloroethane										
20. 1,2 Dichloroethane										
21. 1,1 Dichloroethylene										
22. cis-1,2 Dichloroethylene										
23. Dichloromethane (Methylene Chloride)										
24. Tetrachloroethylene										

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

<sup>5</sup>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	grab	MADEPEPH					
g. Indeno(1,2,3-cd) Pyrene	✓		1	grab						
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)										
h. Acenaphthene	✓		1	grab						
i. Acenaphthylene	✓		1	grab						
j. Anthracene	✓		1	grab						
k. Benzo(ghi) Perylene	✓		1	grab						
l. Fluoranthene	✓		1	grab						
m. Fluorene	✓		1	grab						
n. Naphthalene-	✓		1	grab						
o. Phenanthrene	✓		1	grab						
p. Pyrene	✓		1	grab						
37. Total Polychlorinated Biphenyls (PCBs)										
38. Antimony										
39. Arsenic										
40. Cadmium										
41. Chromium III										
42. Chromium VI										

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										
44. Lead										
45. Mercury										
46. Nickel										
47. Selenium										
48. Silver										
49. Zinc										
50. Iron										
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 ___ N ___</p>	<p>If yes, which metals?</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: _____ DF: _____</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 ___ N ___ If "Yes," list which metals:</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:  
 The treatment system will include; a 10, 000 gallon capacity Frac-Tank for tempoeray storage and settling chamber, a contractors pump designed for a flow rate of at least 5 gpm at 50 feet of head, a 10 micron or less bag filter system, and a 500 pound carbon vessel Remedial water will be pumped from a sump created in the excavation area to the Frac-Tank for temporary storage. After allowing the settlement of fines, water will be pumped through the bag filters. The water will then flow through the carbon vessel for treatment. After treatment, remedial water will be discharged to proctor Brook.

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

c) Proposed average and maximum flow rates (gallons per minute) for the discharge and the design flow rate(s) (gallons per minute) of the treatment system:  
 Average flow rate of discharge 10 gpm Maximum flow rate of treatment system 20gpm Design flow rate of treatment system 10gpm

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 <input checked="" type="checkbox"/>	Within facility <input type="checkbox"/>	Storm drain <input type="checkbox"/>	River/brook <input checked="" type="checkbox"/>	Wetlands <input type="checkbox"/>	Other (describe):
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b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:  
 After treatment, remedial water will be discharged through a two-inch hose directly into Proctor Brook.

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 discharges, 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 52 cfs  
 Please attach any calculation sheets used to support stream flow and dilution calculations.

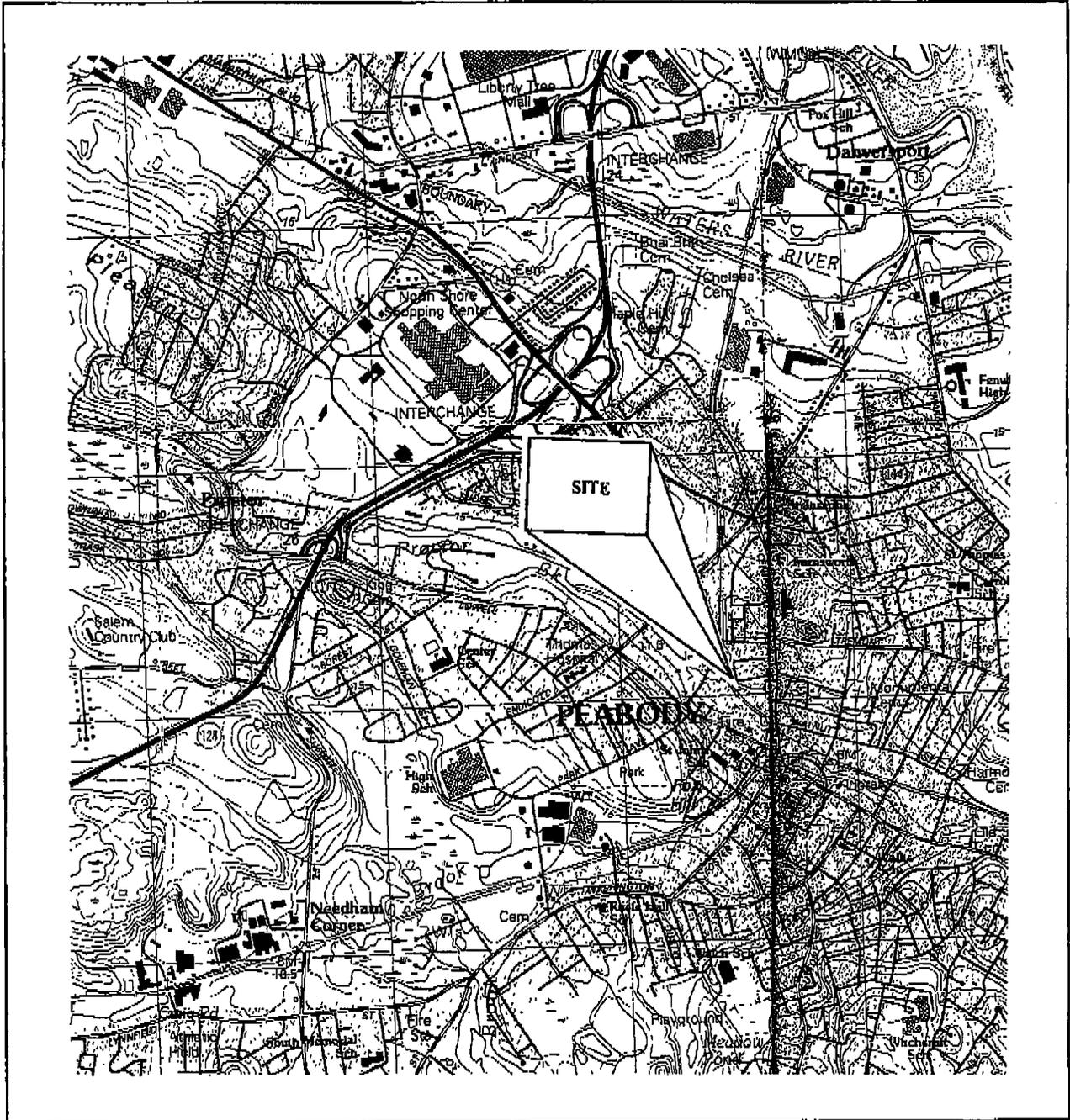
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes \_\_\_ No  If yes, for which pollutant(s)?

Is there a TMDL? Yes  No \_\_\_ If yes, for which pollutant(s)?  
 Nutrients, Siltation, Pathogens, other Habitat Alterations, Cause Unkn

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

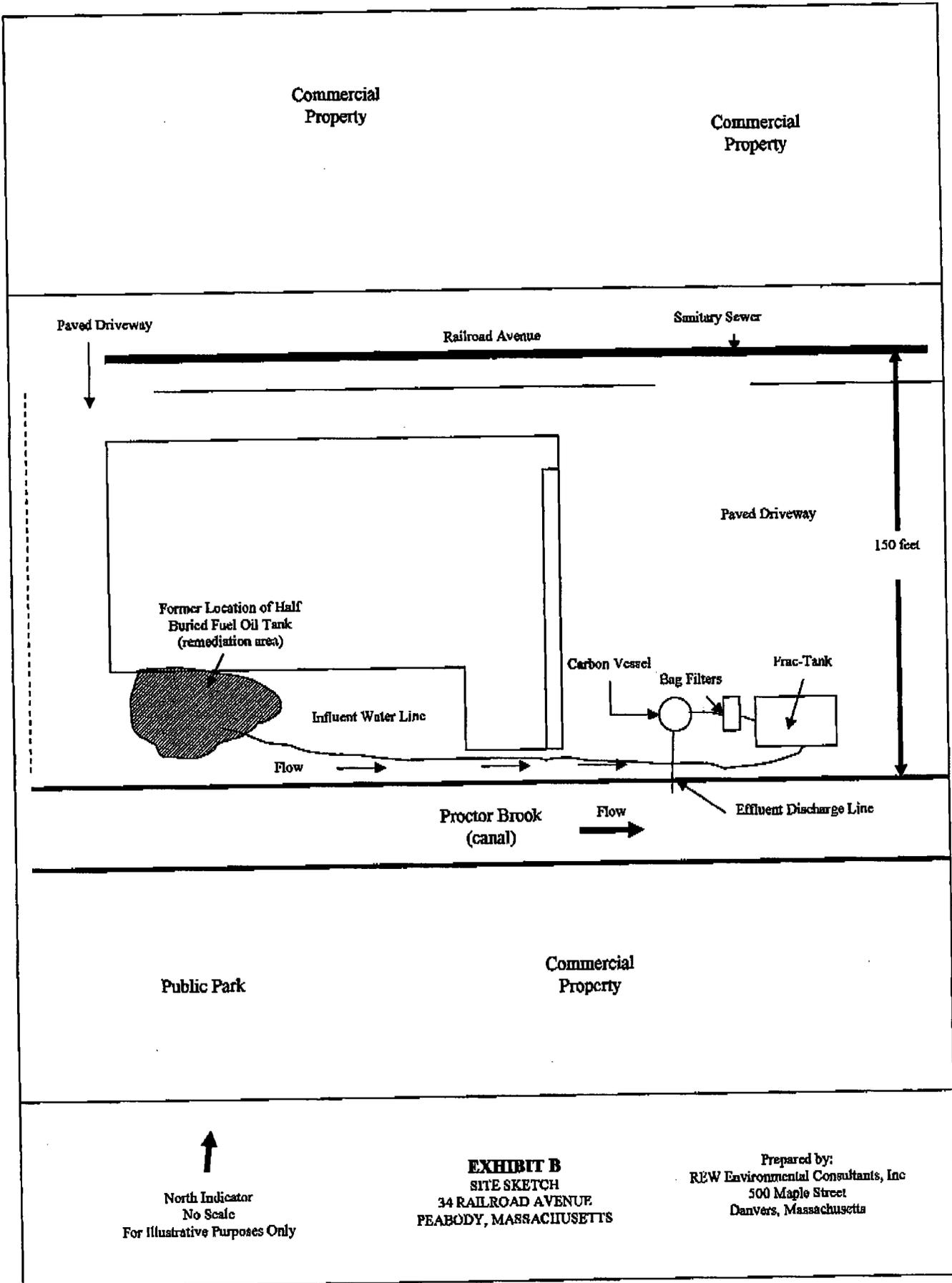


↑  
 North Indicator  
 No Scale  
 For Illustrative Use Only  
 Reproduction Scale  
 ±5%

**EXHIBIT A**  
 SITE LOCUS  
 34 RAILROAD AVENUE  
 PEABODY, MASSACHUSETTS

Base Map  
 USGS  
 Salem Quadrangle (1985)

Prepared by:  
 REW Environmental Consultants, Inc.  
 Danvers, Massachusetts



↑  
 North Indicator  
 No Scale  
 For Illustrative Purposes Only

**EXHIBIT B**  
 SITE SKETCH  
 34 RAILROAD AVENUE  
 PEABODY, MASSACHUSETTS

Prepared by:  
 REW Environmental Consultants, Inc  
 500 Maple Street  
 Danvers, Massachusetts

**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.*

<p>Facility/Site Name: New Age Auto</p> <p>Operator signature: </p> <p>Title: Environmental Analyst</p> <p>Date: 10/19/05</p>
--

SEVERN  
TRENT

STL

Dan Blanchette  
REW Environmental  
500 Maple Street  
Danvers, MA 01923

STL Westfield  
53 Southampton Road  
Westfield, MA 01085

Tel: 413 572 4000 Fax: 413 572 3707  
www.stl-inc.com

06/30/2005

Report Number: 226846

Dear Dan Blanchette,

The analysis of your sample(s) submitted on 06/24/2005 is now complete and the appropriate analytical report is enclosed. The samples were prepared and analyzed according to established methodologies and protocols. All holding times were met for the methods performed on these samples, unless otherwise noted in the report's case narrative.

If you have any questions regarding this report, please contact your Project Manager, Rebecca C. Mason.

For questions, concerns or comments regarding our service, please do not hesitate to contact me directly. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann  
Laboratory Director  
STL WESTFIELD

Technical Review:           *SH* 7.1.05          

Total number of pages in this report:           36

LABORATORY TEST RESULTS

Date: 06/30/2005

Job Number: 226846

CUSTOMER: REW Environmental

PROJECT: 34 RR AVE

ATTN: Dan Blanchette

Customer Sample ID: MW-2  
 Date Sampled.....: 06/23/2005  
 Time Sampled.....: 12:00  
 Sample Matrix.....: Water

Laboratory Sample ID: 226846-1  
 Date Received.....: 06/24/2005  
 Time Received.....: 21:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
MADEP EPH	Semivolatile Organics	ND	U	10	ug/L	06/29/05	fwd
	Acenaphthene	ND	U	10	ug/L	06/29/05	fwd
	Acenaphthylene	ND	U	10	ug/L	06/29/05	fwd
	Anthracene	ND	U	10	ug/L	06/29/05	fwd
	Benzo(a)anthracene	ND	U	10	ug/L	06/29/05	fwd
	Benzo(a)pyrene	ND	U	10	ug/L	06/29/05	fwd
	Benzo(b)fluoranthene	ND	U	10	ug/L	06/29/05	fwd
	Benzo(ghi)perylene	ND	U	10	ug/L	06/29/05	fwd
	Benzo(k)fluoranthene	ND	U	10	ug/L	06/29/05	fwd
	Chrysene	ND	U	10	ug/L	06/29/05	fwd
	Dibenzo(a,h)anthracene	ND	U	10	ug/L	06/29/05	fwd
	Fluoranthene	ND	U	10	ug/L	06/29/05	fwd
	Fluorene	ND	U	10	ug/L	06/29/05	fwd
	Indeno(1,2,3-cd)pyrene	ND	U	10	ug/L	06/29/05	fwd
	2-Methylnaphthalene	ND	U	10	ug/L	06/29/05	fwd
	Naphthalene	ND	U	10	ug/L	06/29/05	fwd
	Phenanthrene	ND	U	10	ug/L	06/29/05	fwd
	Pyrene	420		100	ug/L	06/29/05	fwd
	C9-C18 Aliphatics	510		100	ug/L	06/29/05	fwd
	C11-C22 Aromatics	2900		100	ug/L	06/29/05	fwd
C19-C36 Aliphatics	510		100	ug/L	06/29/05	fwd	
Unadjusted C11-C22 Aromatics	3800		100	ug/L	06/29/05	fwd	
EPH Concentration (Total)							
MADEP VPH	Volatile Organics	ND	U	5.0	ug/L	06/28/05	saz
	Benzene (C5-C8)	ND	U	5.0	ug/L	06/28/05	saz
	Ethylbenzene (C9-C12)	ND	U	5.0	ug/L	06/28/05	saz
	Methyl-t-butyl ether (C5-C8)	ND	U	10	ug/L	06/28/05	saz
	Naphthalene	ND	U	5.0	ug/L	06/28/05	saz
	Toluene (C5-C8)	ND	U	5.0	ug/L	06/28/05	saz
	m&p-Xylenes	ND	U	5.0	ug/L	06/28/05	saz
	o-Xylene	ND	U	5.0	ug/L	06/28/05	saz
	Xylene (total) (C9-C12)	ND	U	50	ug/L	06/28/05	saz
	C5-C8 Aliphatics	ND	U	50	ug/L	06/28/05	saz
	C9-C10 Aromatics	ND	U	50	ug/L	06/28/05	saz
	C9-C12 Aliphatics	ND	U	50	ug/L	06/28/05	saz
	Unadjusted C5-C8 Aliphatics	ND	U	50	ug/L	06/28/05	saz
	Unadjusted C9-C12 Aliphatics	ND	U	50	ug/L	06/28/05	saz
	VPH Concentration (Total)						

\* In Description = Dry Wgt.



MADEP MA014  
 RIDOH57  
 CTDPH 0494  
 VT DECWSD  
 NH DES 253903-A

NELAP FL E87912 TOX  
 NELAP NJ MA008 TOX  
 NELAP NY 10843  
 NY DOH 10843



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 53 Southampton Rd.  
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STL Billerica-Service Center  
 148 Rangeway Rd.  
 N. Billerica, MA 01862  
 Tel: (978) 667-1400  
 Fax: (978) 667-7871



R.E.W. Environmental Consultants  
500 Maple Street  
Danvers, MA. 01923  
phone: 978-777-2055  
fax: 978-777-6363

*cc*  
*MAG 10/19/05*

.....  
**facsimile transmittal**

<b>To:</b>	US EPA	<b>Fax:</b>	617-918-0505
<b>From:</b>	Dan Blanchette	<b>Date:</b>	10/19/2005
<b>Re:</b>	NPDES RGP, 34 Railroad Avenue Peabody, Massachusetts	<b>Pages:</b>	18 inc. Cover

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**My fax number is 978-777-6363. If you have any questions please give me a call at 978-375-7088.**

**Thanks a lot  
Dan**

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