



RECEIVED

SEP 18 2008

ACTON BOARD OF HEALTH

September 15, 2008

Mr. Justin T. Snair, Environmental Health Agent  
Town of Acton Health Department  
472 Main Street  
Acton, MA 01720

RE: Used Oil Spill Closure  
d/b/a Acton Auto Tech  
332-336 Great Road  
Acton, MA

Dear Mr. Snair:

REMSERV, Inc. has completed the cleanup and follow-up assessment of the used oil spill at the above-referenced address (Figure 1). As you know, the Acton Board of Health (ABOH) issued a Letter of Findings of July 16, 2008 inspection of the facility. It was during the inspection the a representative of the Acton Board of Health identified a spill of used oil from the top of a rectangular 240 gallon double wall aboveground storage tank (AST). There was no mention in the letter of any problems with the fuel oil AST. The Letter of Findings indicated that all other items reviewed during the ABOH inspection concerning the site condition, storage and materials maintenance safety and site management passed the inspection.

The used oil AST and the No. 2 heating oil UST reside side by side on a concrete pad behind (south) of the station (see attached site plan). As you are aware, the used oil spill occurred as a result of a tank overflow event. The AST is filled with used oil collected during automotive servicing within the service bays present at the facility. The service bays are leased to Acton Auto Tech LLC and their employees transfer the used oil manually to the fill port of the AST. The spill was contained mostly to the flat top of the tank where residual product could be observed. A volume of used oil (a quantity of oil later determined to be less than 10 gallons) had run down the side of the AST onto to the "impervious" concrete mat on which the used oil AST was mounted along with a 280 gallon fuel oil AST. The oil ran over the edge of the pad impacting the surface soils abutting the base of the pad.



### **Spill Response Activities**

On August 13, 2008 a REMSERV, Inc. representative responded to the above described spill of used oil to and provided 55-gallon drums to contain the excavated soil for off-site soil disposal, to record the current site conditions, to observe soil excavation activities and to provide and collect soil samples following the soil removal activities.

On August 13, 2008 the REMSERV, Inc. representative observed Pro-Tech staff excavate and drum the shallow impacted surface soils for disposal. The soils were hand excavated to a depth of between 0.5 and 0.67 feet along the pad and where the pad joins the building to the west (Figure 2). The volume of soil excavated was guided by the visual and olfactory indications of impacted soil. REMSERV, Inc. excavated more soils than necessary to ensure that all impacts were reduced to the Massachusetts Department of Environmental Protection (MA DEP) S-1 residential standard (Table 1). The S-1 standard was used as a guideline even though the spill of petroleum did not exceed the 2 hour notification threshold established by the MA DEP for a sudden release of petroleum in excess of the 10 gallon reportable quantity (RQ) within a 24-hour period nor did the soil analytical results identify the exceedence of a reportable concentration (RC) published by the MA DEP for 120 day notification.

The soil was placed in two 55-gallon open top DOT approved 55H drums which were labeled for off-site transport by ENPRO Services, Inc. of Newburyport, MA. The contents of the drums were sampled by the REMSERV, Inc. staff member and analyzed for PCBs by EPA Method 8082 according to ENPRO, Inc.'s disposal requirements. Finally, the drums labeled and sealed with a gasket and compression ring.

On August 22, 2008, ENPRO, Inc. picked up the drums for transport to ENPRO, Inc. in Portland ME for non hazardous oily contaminated soil disposal. A copy of the uniform hazardous used manifest is attached.

### **Confirmatory Soil Sampling**

On August 13, 2008, REMSERV, Inc. collected three confirmatory soil samples were collected from 0.5 to 0.67 feet below ground surface for screening with a Thermoelectron 508B photoionization detector (PID) calibrated to a 100 ppm isobutylene standard. REMSERV, Inc. collected and screened three soil samples from the base of the excavation following the soil removal activities (Figure 2). The soil PID readings did not exceed a soil headspace which registered in excess of 100 parts per million by volume in any of the three soil samples.

The soil samples were composited in the field and delivered immediately to Alpha Analytical of Westboro, MA for PCB analysis according to EPA Method 8082, volatile organic compounds according to EPA Method 8260, petroleum hydrocarbons according to Massachusetts DEP Extractable Petroleum Hydrocarbon (EPH) methodology and RCRA 8 metals.

The analytical results did not identify any EPH fractions or target analytes, RCRA 8 metals, PCBs or solvents in excess of the MA DEP S-1 standards protective of a residential current and futures use of the MA DEP published reportable concentrations (RCS-1) for residential soils. The soil analyses identified low concentrations of two EPH fractions C19-C36 Aliphatics (106 mg/Kg) and C11-C22 aromatics (36.5 mg/Kg) and acetone (0.056 mg/Kg). These concentrations are well below the MA DEP S-1 standards and RCS-1 reportable concentrations. The RCRA 8 metals analysis identified levels of certain metals which are at concentrations that are less than background value published by the MA DEP (Background Levels of

**Polycyclic Aromatic Hydrocarbons and Metals in Soil Updates: Section 2.3 *Guidance for Disposal Site Risk Characterization – In Support of the Massachusetts Contingency Plan (1992)***

The MA DEP has defined background to mean “those levels of oil and hazardous material that would exist in the absence of the disposal site of concern which are either:

- (a) ubiquitous and consistently present in the environment at and in the vicinity of the disposal site of concern; and attributable to geologic or ecological conditions, or atmospheric deposition of industrial process or engine emissions;
- (b) attributable to coal ash or wood ash associated with fill material;
- (c) releases to groundwater from a public water supply system; or
- (d) petroleum residues that are incidental to the normal operation of motor vehicles.”

The spill of used oil from the used oil AST located behind the building at 336 Great Road has been addressed through a program of soil excavation and soil sampling. Soils impacted by petroleum were excavated from adjacent to the tank pad. The soils were excavated to a depth of approximately 0.5 to 0.67 feet as a Limited Removal Action for soils at a lateral distance that encompassed olfactory and visual indication of the presence of petroleum. A soil sample composite collected from the sidewalls and base of the excavation was analyzed for typical components of used oil. The analyses did not identify any solvents, synthetic VOCs, organic VOCs, PCBs or metals at concentration above the laboratory minimum detection limit or in the case of the metals at concentrations which exceed MA DEP published background levels. Two drums of excavated soils were disposed of on August 20, 2008 by ENPRO Service, Inc. of Newburyport, MA under a Uniform Hazardous Waste Manifest.

**Summary**

Based on the limited volume of soil excavated, it is REMSERV, Inc.’s opinion that a volume of used oil spilled from the AST did not exceed the RQ of 10 gallons for a sudden release (occurred within a 24 hour time period) set by the MA DEP for 2-hour notification. The soil removal and post-removal sampling and analysis did not indicate that a RCS-1 has been exceeded did not trigger a DEP reporting notification since a reportable concentration RCS-2 was not exceeded.

Given the extent of the stain and the volume of soil excavated as well as the post-excavation sampling results, it is REMSERV, Inc.’s opinion that the base of the impacted soils excavated at a depth of approximately 0.67 feet was considerably above the water table which historically is greater than 9.91 feet below ground surface in the closest monitoring well MW-2. It is REMSERV, Inc.’s opinion that no additional assessment or response actions are required at the property associated with this used oil spill event.

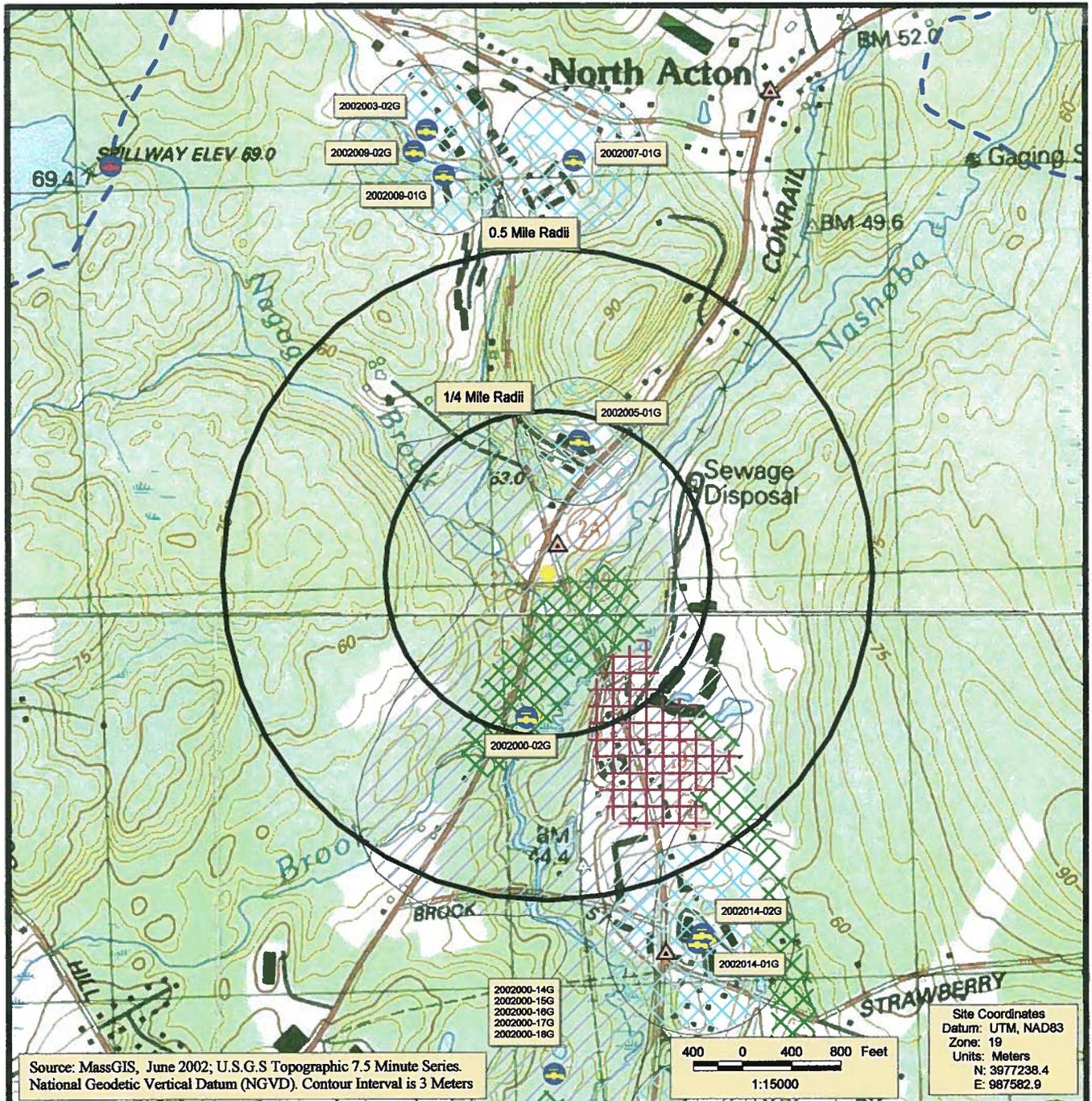
Should you have any questions please contact REMSERV, Inc. at 781-721-4455

Sincerely,  
REMSERV, Inc.

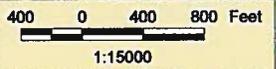


Thomas P. Simmons

Enc.



Source: MassGIS, June 2002; U.S.G.S Topographic 7.5 Minute Series. National Geodetic Vertical Datum (NGVD). Contour Interval is 3 Meters



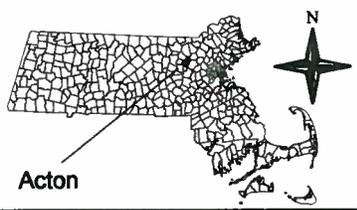
Site Coordinates  
 Datum: UTM, NAD83  
 Zone: 19  
 Units: Meters  
 N: 3977238.4  
 E: 987582.9

**Legend**

- 336 Great Road, Acton, MA
- DEP Tier Classified Oil or Hazardous Material Sites
- ▲ DEP Underground Storage Tank
- Certified Vernal Pools
- NHESP-Estimated Habitats for Rare Wildlife. ("NHESP 1999-2001 Estimated Habitats of Rare Wildlife: Use with Wetlands Protection Act")
- Solid Waste Facility

- DEP Approved Zone IIs
- Interim Wellhead Protection Area
- ACEC
- Public Water Supply Wells**
- Community Groundwater Well
- Community Surface Water Well
- Proposed Well
- Non Community Well

- Non-potential Drinking Water Source Area**
- High Yield (>300 gpm)
- Medium Yield (100-300 gpm)
- Low Yield (<50 gpm)
- Potential Drinking Water Source Area**
- High Yield (>300 gpm)
- Medium Yield (100-300 gpm)
- Low Yield (<50 gpm)
- Protected Open Space
- Major Basin/Subbasin



**SITE LOCUS MAP**

**332-336 Great Road  
 Acton, MA**

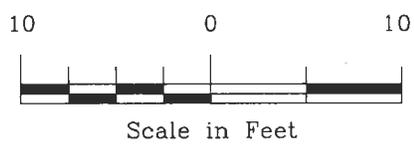
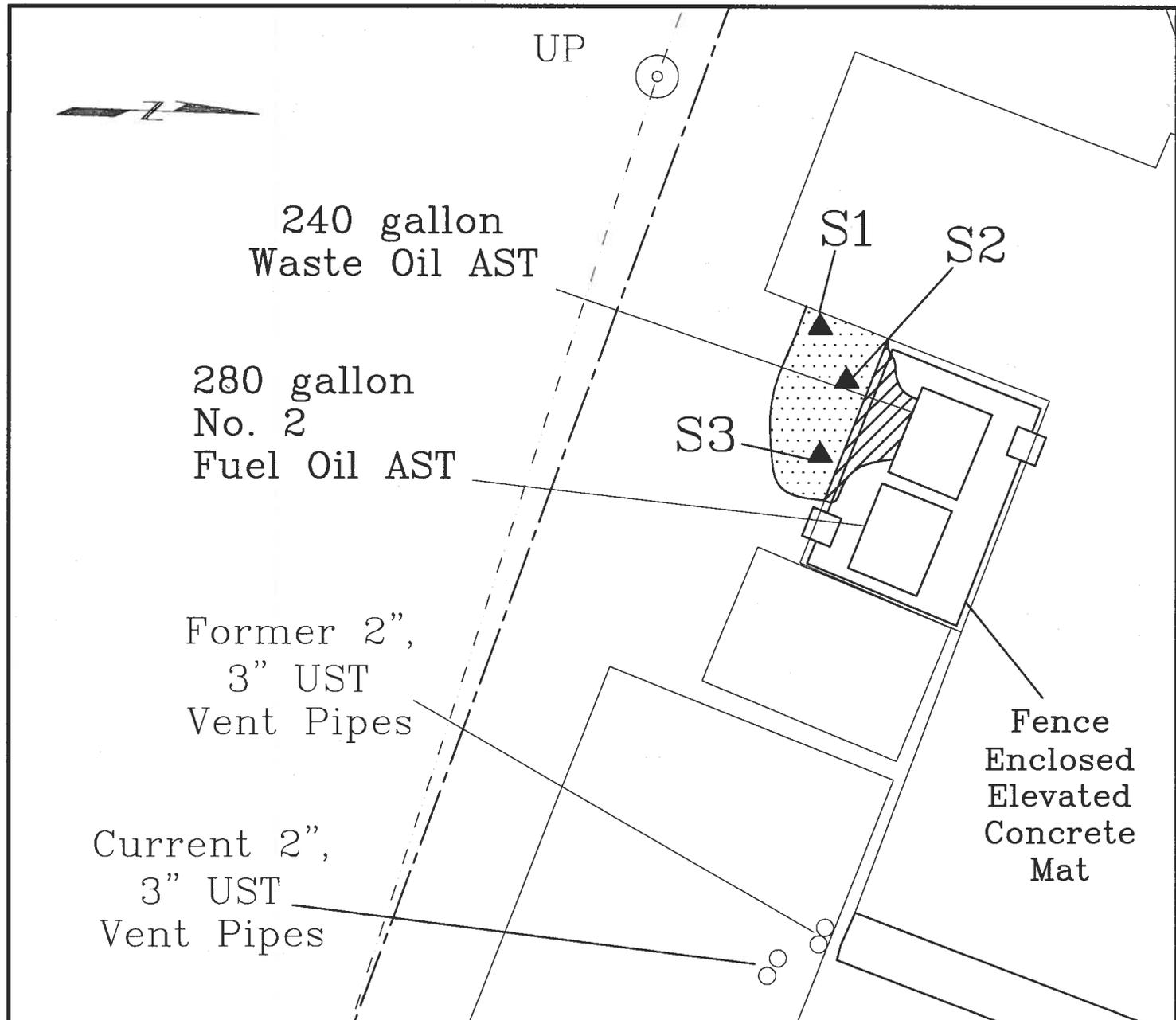
**REM SERU**

Remediation & Environmental  
 Management Services, Inc.  
 35 Winthrop Street  
 Winchester, MA 01890  
 Phone: (781) 721-4455  
 Fax: (781) 721-4456

September 2008

Figure 1

E:\MASS-GIS-DATA\Site-locus-maps\Pro\_tect\_auto\_line\Pro\_Tech\_Acton.apr



**LEGEND**

- S-1 ▲ Soil Clearance Sampling Point
- ▤ Soil Excavation Area
- ▨ Spill Area

**USED OIL SPILL MAP**

408 Massachusetts Avenue, Inc.  
336 Great Road  
Acton, MA

**REM SERU**  
 REMEDIATION & ENVIRONMENTAL  
 MANAGEMENT SERVICES, INC.  
 35 WINTHROP STREET  
 WINCHESTER, MASSACHUSETTS  
 Phone: (781) 721-4455 Fax: (781) 721-4456

Figure 2
Project: 28101-2
Date: August 2008
Scale: 1" = 40'
Approved by: TPS
Designed by: JFD

E:\Clients\ProTech\336 Great Road\Figure 2 Waste Oil.dwg

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>M V 9 7 8 2 6 6 9 4 0 0</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 966-1102</b>	4. Manifest Tracking Number <b>000753553 GBF</b>	
5. Generator's Name and Mailing Address <b>ACTON AUTO TECH LLC 332-336 GREAT ROAD ACTON MA 01720</b>		Generator's Site Address (if different than mailing address) <b>ATT. TOM SIMMONS</b>				
Generator's Phone: <b>9 7 8 2 6 6 - 9 7 0 0</b>						
6. Transporter 1 Company Name <b>ENPRO SERVICES, INC.</b>				U.S. EPA ID Number <b>M A D 9 8 0 6 7 0 0 0 4</b>		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>ENPRO SERVICES OF MAINE, INC. 106 MAIN STREET SOUTH PORTLAND ME 04106</b>				U.S. EPA ID Number <b>M E D 0 1 9 0 5 1 0 6 9</b>		
Facility's Phone: <b>207 799-0850</b>						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	STATE REGULATED OIL WASTE	002	DM	1200	P	MA01
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information <b>1(S) OIL CONT. SOIL ENPRO JOB # 7323-08</b>						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/picarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offero's Printed/Typed Name <b>KISSON MARKAS</b>		Signature <i>Kisson Markas</i>		Month Day Year <b>8 20 08</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <b>JEA Hanton</b> Signature: <i>JEA Hanton</i> Month Day Year: <b>8 20 08</b>						
Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____						
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator)				Manifest Reference Number: _____ U.S. EPA ID Number: _____		
Facility's Phone: _____				18c. Signature of Alternate Facility (or Generator) _____ Month Day Year: _____		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. <b>H311</b>	2. _____	3. _____	4. _____			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name <b>WILLIAM S. ROLLO</b>		Signature <i>William S. Rollo</i>		Month Day Year <b>8 21 08</b>		

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)



**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

**RECEIVED**

**BWSC 123**

AUG 12 2008

This Notice is Related to Release Tracking Number

**ACTON BOARD OF HEALTH**

2 10259

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 332-336 Great Road  
City/Town: Acton Zip Code: 01720-4703

**B. This notice is being provided to the following party:**

1. Name: Town of Acton  
2. Street Address: 472 Main Street  
City/Town: Acton State: MA Zip Code: 01720

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 323 Great Road (2A-27 athletic fields)  
City/Town: Acton Zip Code: 01720

2. MCP phase of work during which the sampling will be/has been conducted:

- |   |   |
|---|---|
| <input type="checkbox"/> Immediate Response Action              | <input type="checkbox"/> Phase III Feasibility Evaluation                   |
| <input type="checkbox"/> Release Abatement Measure              | <input type="checkbox"/> Phase IV Remedy Implementation Plan                |
| <input type="checkbox"/> Utility-related Abatement Measure      | <input checked="" type="checkbox"/> Phase V/Remedy Operation Status         |
| <input type="checkbox"/> Phase I Initial Site Investigation     | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____  |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential    commercial    industrial    school/playground    Other athletic fields  
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

Type of samples : Groundwater Date of sampling: July 22, 2008

See attached site plan for sample locations.

**E. Contact information related to the party providing this notice:**

Contact Name: Sean P. Kennedy, P.G. Company: EnviroTrac Ltd.

Street Address: 2 Merchant Street- Suite 2

City/Town: Sharon State: MA Zip Code: 02067

Telephone: (781) 793-0074 Email: seank@envirotrac.com