286 Houses Corner Rd.
Sparta, NJ 07871

ADVANCED TANK SERVICES CO.

FMA Associate Member
DEP License #US00921

350 Third Ave., #277
New York, NY 10010

75 Cumberland St.
Rockville Centre, NY 11570

Serving New Jersey, New York, Pennsylvania, Connecticut, Delaware & Maryland

1-800-440-8265
Fax: 1-888-303-5323

1333A North Avenue #324
New Rochelle, NY 10804

100 Spingdale Rd., A3 #313
Cherry Hill, NJ 08003

Underground Storage Tank Inspection Report Summary

Report Date: [redacted] 2010

Client:	[redacted]
ATS Reference #:	
Inspection Date:	
Property Location:	
Tank Size:	

Corrosivity Test	**Tank Tightness Test**	**Soil Testing**
Unacceptable	FAIL *Hold: Vent*	Field Screen: Not Performed Lab Analysis: Not Performed

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[redacted]

Pursuant to your request, Advanced Tank Services Co. on [redacted], evaluated a 550 gallon underground heating oil storage tank at 2[redacted] NJ 08534. The specific tests performed at this site and the results of each evaluation are listed in the following inspection report detail.

S.T.E.P.S. Corrosion Test

ATS measured the soil to tank potentials to assess the corrosive state of the storage tank at this location. The soil to tank potential measurements were conducted in accordance with ASTM and EPA testing standards.

High Corrosion Level Detected

Testing detected unacceptable corrosion levels between the tank and soil, which indicates a high probability that a leak may occur or exist in the tank system. In this case, the responsible party should strongly consider decommissioning this tank even though the tank may have passed a tank tightness test. A high corrosion level does not necessarily mean that holes are present in the tank system.

Tank Tightness Testing

Advanced Tank Services Co. performed the Mesa 2-D digital nonvolumetric tightness test on the storage tank. The Mesa 2-D is capable of detecting leaks at a rate that meets or exceeds United States Environmental Protection Agency and State regulations for leak detection of storage tanks.

These requirements are specified in the U.S. EPA protocol s 40 CFR Part 280, Subpart D entitled "Standard Test Procedure for Evaluating Leak Detection Methods: Nonvolumetric Tank Tightness Tank Testing Methods", EPA/530/UST-005 and Section 6.3.1 "Application of Protocol to Acoustical Methods". According to these regulations, leak detection systems must be capable of detecting leaks of 0.1 gallons per hour with a probability of detection of 0.95 and probability of false alarm of 0.05.

The Mesa 2-D test system examines the integrity of the tank and associated piping by digitally monitoring and recording the acoustical profile inside the tank. A computer analyses this data and determines whether detectible leaks exist in the wetted (product filled) and ullage (empty portion) of the tank and tank system. The tank contained 40.5 inch(es) of product and 0 inch(es) of water.

Analysis and Recommendations

The evaluation showed that a leak exists in the tank that exceeds EPA and State standards for leak detection of storage tanks.

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NOTICE TO TANK REPAIR/CLOSURE CONTRACTOR

The repair contractor must follow these operating procedures:

1. Uncover and expose the top of the underground storage tank and associated piping.

2. Examine the fill pipe, air vent pipe and piping connections at the top of the tank for leaks.

3. Disconnect the product lines (supply & return) and test these lines under pressure for leaks.

4. If a leak is detected in #2 and #3 above, please make the necessary repairs and investigate the possible discharge of product into the soil. Leave the underground storage tank exposed and notify ATS so that we can schedule a retest of the tank.

5. If no leak in the piping (#2 and #3 above) is detected, then proceed with proper closure of the underground storage tank.