



Mr. Chuck Schwer, Supervisor
State of Vermont
Agency of Natural Resources
Department of Conservation
Waste Management Division
Sites Management Section
103 South Main Street/West Office
Waterbury, Vermont 05671-0404

RE: Limited Site Investigation
Bell Atlantic Leased Facility
917 US Route 5
Dummerston, Vermont
SMS Site #99-2662

Dear Mr. Schwer:

Enclosed is a copy of the Limited Site Investigation report prepared by ENPRO Services Inc. for Bell Atlantic regarding the above referenced site. In summary, five monitoring wells were installed in and around a former underground tank location to delineate the nature and extent of groundwater contamination by Styrene, MEK, and gasoline-related compounds. No gasoline-related compounds were detected in the groundwater. Styrene at 260 ug/L and MEK at 210 ug/L were detected in groundwater samples collected from a well at the former tank location. No Volatile Organic Compounds were detected in groundwater samples from four other monitoring located around the former tank area.

ENPRO concluded that the most likely source of groundwater contamination is pipe cleaner, cement, or paint associated with construction or maintenance of the former tank system piping. ENPRO recommends implementation of a quarterly groundwater monitoring program to record groundwater levels and flow patterns and collection and laboratory analysis of groundwater samples from selected wells at the former tank location. Upon completion of one year of monitoring, ENPRO recommends the data be reviewed and a decision made regarding the need for groundwater remediation, continued monitoring, or site closure.

Please review the report and contact me at 978-465-1595 if you have questions regarding the site.

Sincerely,

ENPRO Services, Inc.


Daniel E. Walsh
Environmental Engineer

Enclosure: Limited Site Investigation Report

CC: Mr. Gary Schmitz, Bell Atlantic, 7 Graham Street, Nashua, NH

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JAN 12 2000

LIMITED SITE INVESTIGATION
GROUNDWATER QUALITY AT UST REMOVAL AREA
BELL ATLANTIC VEHICLE MAINTENANCE GARAGE
917 US ROUTE 5 AT CHARETTE DRIVE
DUMMERSTON, VERMONT 05301

SMS SITE 99-2662

JANUARY 2000

Prepared for:

Bell Atlantic – Vermont
Attention: Mr. Gary Schmitz
7 Graham Street
Nashua, New Hampshire 03062

Prepared by:

ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950

A handwritten signature in black ink, appearing to read "Daniel E. Walsh".

Daniel E. Walsh
Environmental Engineer

ENPRO Services, Inc.



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Limited Site Investigation
Bell Atlantic
917 US Route 5
Dummerston, VT
January 2000
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4. Soil Boring Logs
5. Laboratory Report

ENPRO Services, Inc.

12 Mulliken Way, Newburyport, MA 01950
(800) 966-1102 - 24 Hours FAX (978) 465-2050

44 Rigby Road, South Portland, ME 04106
(888) 367-6660 - 24 Hours FAX (207) 773-6693



1.0 EXECUTIVE SUMMARY

ENPRO Services, Inc. (ENPRO) has completed a Limited Site Investigation to assess the presence and extent of groundwater contamination at the former location of an underground storage tank on the east side of the leased Bell Atlantic Vehicle Maintenance Building located at 917 US Route 5, Dummerston, Vermont. The Limited Subsurface Investigation was undertaken to meet site investigation requirements of the Vermont Agency of Natural Resources, Department of Environmental Conservation (DEC), Site Management Section (SMS) set forth in a letter dated October 6, 1999. Specifically, SMS determined that additional work was necessary to determine the severity of contamination at the former location where one 10,000-gallon underground gasoline storage tank was removed on June 29, 1999 and to identify the presence of sensitive receptors. Groundwater contaminants including Methyl-tert-butyl Ether (MTBE) at 110 ug/L, 2-Butanone (MEK) at 70 ug/L, Styrene at 1 ug/L, and minor concentrations of BTEX were detected during a tank closure assessment completed by another consultant.

Requested assessment included:

- Determining the degree, extent, and potential sources of contamination to groundwater,
- Assessing the potential for contaminant impact on sensitive receptors including basements of buildings, nearby surface waters, proximal drinking water sources, wetlands, sensitive ecological areas, outdoor and indoor air, and utility corridors,
- Determining the need for long-term treatment and/or monitoring of groundwater contamination, and
- Completing a report outlining the work completed with conclusions and recommendations.

ENPRO installed five soil borings/monitoring wells at the tank removal area, submitted soil and groundwater samples from the borings/wells for laboratory analysis, and investigated potential receptors near the site area. Groundwater flow across the site was determined from an elevation survey and depths to groundwater.

Based on the findings of the Limited Subsurface Investigation, ENPRO concludes that groundwater contamination by MEK and Styrene is present at the former tank location. MEK and Styrene were detected in only one of five wells installed at and around the tank removal area. The concentration of Styrene detected in groundwater exceeds the applicable Enforcement Standard and Preventive Action Level established by the DEC.

Based on the limited extent of groundwater contamination and no migration of contaminants in groundwater from the tank removal area, ENPRO recommends a quarterly groundwater monitoring program be implemented for a one-year period. Upon compilation and evaluation of data from the monitoring program, additional recommendations will be made regarding the need for long-term groundwater treatment, continued monitoring, or site closure.

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2.0 INTRODUCTION

ENPRO Services, Inc. (ENPRO) has completed a Limited Site Investigation at the leased Bell Atlantic Vehicle Maintenance and Office facility located at 917 US Route 5, Dummerston, Vermont. The site investigation procedures were completed at the request of the Site Management Section (SMS) of the Vermont Agency of Natural Resources, Department of Environmental Conservation. The investigation procedures were requested since concentrations of MTBE, MEK, Styrene, and BTEX were detected in a groundwater sample collected during an underground storage tank closure assessment completed on June 29, 1999 by Pennoni Associates, Inc. The Limited Site Investigation was completed as an Expressway Site Investigation with approval from SMS. A copy of the SMS letter requesting additional work is attached in Appendix 1. A copy of the Expressway Site Investigation Notification Form is attached in Appendix 2.

The Limited Site Investigation was completed to assess the nature and extent of contaminants in groundwater at the former location of a 10,000-gallon underground gasoline storage tank that was removed from the southeast side of the site building on June 29, 1999. The scope of work for the investigation included:

- Review of existing environmental reports regarding the site as provided by Bell Atlantic,
- Correspondence with the SMS and preparation of a Site Investigation Expressway Notification Form,
- Installation of five soil borings and groundwater monitoring wells at the tank removal area,
- Collection, field screening, and laboratory analysis of soil samples from borings at the tank removal area,
- Collection and laboratory analysis of groundwater samples from groundwater monitoring wells at the tank removal area,
- Determination of the groundwater flow pattern across the tank removal area from data collected during a relative elevation survey and gauging of water levels at the wells,
- Collection and laboratory analysis of a water sample from the site water supply well system,
- Visual inspection of the site and nearby properties to develop an understanding of sensitive environmental receptors,
- Review of readily available public records at the Dummerston Town Hall,
- Review of an Environmental FirstSearch report provided by New England Datamap Technologies Corporation, and
- Compilation and interpretation of the data collected.

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3.0 SITE DESCRIPTION

The leased Bell Atlantic Vehicle Maintenance Garage is located at 917 US Route 5, Dummerston, Vermont. The Dummerston Assessor's Office identifies the property as Property Map 8, Lot 801-1. The site location is shown on the Site Locus Map attached as Figure 1. The subject property and surrounding area are shown on the Assessor's Property Map attached as Figure 2. Site features are shown on the Site Sketch attached as Figure 3. The areas of subsurface exploration completed during this investigation are shown on the Sample Location Map attached as Figure 4.

The site is located in a rural area on the west side of US Route 5. The driveway leading to the site is a private road call Charette Drive. The property consists of 4.4 acres of land that was subdivided from an abutting 47.2-acre lot (Map 8, Lot 801). The property is presently owner by Harold and Barbara Loney. Bell Atlantic leases the property and operates a vehicle maintenance garage, storage yard, and offices. The Dummerston Zoning Map indicates the site area is zoned for Rural Commercial (RC) use. Land approximately 400 feet west of the subject property is zoned for Conservation (CN).

Bell Atlantic offices and a vehicle maintenance garage occupy the site building. A fenced gravel lot to the north of the building is used for storage of cable and other materials. Asphalt pavement is present on the west, south and east sides of the building. Two asphalt driveways on the south side of the building provide access to Charette Drive and US Route 5. Areas beyond asphalt pavement are grass or wooded.

The site is serviced by a private water well located at the southwest corner of the building. Well construction details were not readily available. Waste-water generated at the site is discharged to a septic tank located approximately 100 feet south of the site building and a leach field located approximately 150 feet southwest of the building.

4.0 SITE AREA DESCRIPTION

The site is located in an area zoned for Rural Commercial use. An area zoned for Conservation is located approximately 400 feet west of the subject property. US Route 5 is located approximately 300 feet east of the property.

The subject property is located within a small north to south running valley. A hilltop, approximately 50 feet higher than land at the site building, is located to the east. Rock outcrops are exposed on the hill. A trailer park is located along US Route 5 to the east of the hill. Land west of the site building slopes upward to the west.

The site area is serviced by private water supply wells. One well is located on the site. Wells were noted during a drive-by inspection on abutting properties including the trailer park and nearby residences.

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A small stream is located near the southern site property boundary. The stream flows from northwest to southeast toward the Connecticut River. The Connecticut River is located approximately 3,500 feet east of the site.

According to the Vermont Agency of Natural Resources Natural and Cultural Resources Map for the site area, no such resources are located within one mile of the site. Dutton Pines State Park is located approximately 300 feet northeast of the site on the east side of US Route 5.

Additional information regarding the environmental setting of the site area was collected from an Environmental FirstSearch Report provided by New England Datamap Technologies Corporation. A copy of the Environmental FirstSearch Report is attached in Appendix 3. The subject property is listed as a State Site where remediation has been completed in the past.

Underground storage tanks are registered at the Vermont Agency of Transportation facility located approximately 800 feet southeast of the site. Other State-listed sites including spills and leaking underground tanks are located greater than 0.5 miles from the site and would not likely cause an impact to the site. No National Priority List sites were reported within 1 mile of the site. No CERCLIS sites, solid waste landfills, RCRA TSD facilities, or RCRA generators were reported within 0.5 miles of the site.

5.0 REVIEW OF AVAILABLE ENVIRONMENTAL REPORTS

Portions of two environmental reports were made available to ENPRO while investigating this site. The reports include:

- "Summary and Evaluation of Historical Analytical and Water Level Data, NYNEX Maintenance Garage, Dummerston, Vermont" dated July 5, 1995 and prepared by GZA Remediation, Inc., and
- "Underground Storage Tank Closure Report, Bell Atlantic Leased Garage, US Route 5, Dummerston, VT" dated July 16, 1999 and prepared by Pennoni Associates, Inc.

The GZA report concerned operation and maintenance of a treatment system designed to remediate gasoline contamination from an underground storage tank system located approximately 200 feet south of the area under study during this investigation. The tank system was removed in 1990. Analytical results and groundwater elevations were summarized in the report. A southerly groundwater flow was documented by GZA. The GZA report documented cleanup of the area in accordance with VT DEC standards. The report requested approval from the DEC to close the site. The remediation system was shut down in 1993 and dismantled in 1995.

The Underground Storage Tank Closure Report prepared by Pennoni Associates, Inc. documented removal of one 10,000-gallon underground gasoline storage tank from the southwest side of the site building in June 1999.

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Three soil samples and one groundwater sample were submitted for laboratory analysis of Volatile Organic Compounds by EPA method 8260. The soil samples were also tested for Total Petroleum Hydrocarbons by EPA Method 8100 modified. No contaminants were detected in the soil samples. Volatile Organic Compounds were detected in the groundwater at concentrations summarized below:

Concentrations of VOCs in Groundwater at UST Removal Area June 29, 1999

<u>Compound</u>	<u>Concentration (ug/L)</u>
MTBE	110
2-Butanone (MEK)	70
Benzene	2
Toluene	3
Xylene	2
Styrene	1

Based on the concentrations of contaminants detected in groundwater at the tank removal area, the SMS requested a site investigation be completed to investigate the extent of contamination.

6.0 SUBSURFACE INVESTIGATION PROCEDURES

ENPRO completed a subsurface investigation program to delineate the nature and extent of contamination in the tank removal area. Five borings and wells were installed. Soil and groundwater samples were collected for field screening and laboratory analysis. The groundwater flow pattern was determined from an elevation survey and depths to groundwater at each well. Sensitive receptors were identified during a site walk and a windshield inspection.

6.1 Boring and Well Installation

On December 7, 1999, ENPRO installed five soil borings in and around the tank removal area. Boring locations are shown on Figure 4. Borings were completed using hollow stem augers until refusal was encountered or the depth for well installation was achieved. An air hammer was used to drive borings through rock to well installation depths. Soil samples were collected using a split spoon sampler where applicable. Each soil sample was screened in the field for Total Organic Vapors using an HNU systems model PI-101 Photoionization Detector and jar headspace methodology. Concentrations of Total Organic Vapors detected in the soil are summarized on the Boring Logs attached in Appendix 4. No significantly elevated concentrations (> 1 ppmv) of total organic vapors were detected in the soil.

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Subsurface soils consisted of sand and gravel. These materials were most likely fill material placed during installation of the tank or during site work prior to building construction. Weathered rock was encountered in the borings at depths of 2 to 5 feet below ground surface in four of the five borings. Rock was not encountered in boring B-3 in the former tank location at a depth of 12 feet below ground surface. It is likely that rock was removed from this area prior to installation of the tank. Additional descriptions of the soil and drilling conditions are summarized on the Boring Logs.

A groundwater monitoring well was installed in each boring. Well construction details are summarized on the boring logs. Upon installation each well was developed by purging until water ran clear with minimal fines. Greater than 5 gallons of water was purged from each well during development.

6.2 Soil and Water Sample Analyses

Selected soil samples, a groundwater sample from each well, and a water sample from the on-site water supply well system were submitted for laboratory analyses of Volatile Organic Compounds (EPA method 8260 or 524.2). A copy of AMRO Laboratory Report 9912094 is attached in Appendix 5. The two soil samples were selected for laboratory analysis based on sample proximity to the tank removal area and a slight resin-like odor noted during drilling. The soil samples were preserved with methanol in the field (EPA method 5035) immediately upon collection. No volatile organic compounds were detected in the soil samples. On December 8, 1999, a sample was collected from a spigot located at a 100 +/- gallon storage tank fed by the water supply well. Due to time and site constraints, the tank was not purged prior to sample collection. No Volatile Organic Compounds were detected in the sample collected from the site water well system.

On December 8, 1999, each groundwater monitoring well was purged of three to five standing volumes of water at low flow using a peristaltic pump and dedicated tubing. A faint sheen was observed on water purged from wells MW-2 and MW-3. A faint resin-like odor was noted during purging of well MW-3. Laboratory analyses detected Styrene at 260 ug/L and 2-Butanone (MEK) at 210 ug/L in water from MW-3. Well MW-3 is located at the former tank area. No Volatile Organic Compounds were detected in water samples from wells MW-1, MW-2, MW-4, or MW-5.

6.3 Groundwater Flow Pattern

The groundwater flow pattern across the investigation area was determined from an elevation survey and depths to groundwater recorded at each well. Groundwater elevation data is summarized in Table 2. The groundwater flow direction is shown on Figure 5. A very slight

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gradient to the south-southwest was calculated from the data. This gradient appears to follow site topography. Groundwater may be trapped within the "sink" created when rock was removed to install the underground tank. Groundwater may then slowly migrate through weathered rock or surficial soil at the rock interface toward the south-southwest following existing topography within the small valley on the site. A small stream located approximately 350 feet south of the area of groundwater contamination is a likely groundwater discharge point.

6.4 Extent of Groundwater Contamination

Based on laboratory analysis results and the groundwater flow pattern determined on the site, the extent of groundwater contamination is minimal and confined to the immediate area of the former underground tank. No groundwater contaminants were detected in water samples from four other wells located between 20 and 30 feet from the area of known groundwater contamination by MEK and Styrene. These four other wells are located in upgradient, across gradient and down gradient locations from the area of groundwater contamination. No Volatile Organic Compounds were detected in two soil samples collected above the groundwater surface.

7.0 IDENTIFICATION OF NEARBY RECEPTORS

ENPRO completed a preliminary review of receptors in the site area. The site area is serviced by private water supply wells. The drinking water supply well on the site is located approximately 150 feet west of the former underground tank area. Based on groundwater flow patterns in the area of groundwater contamination, the water supply well is located nearly across gradient from the contamination. No groundwater contamination was detected in two monitoring wells located between the area of contamination and the water supply well. According to Bell Atlantic personnel working at the site, the well has a low yield. Additional information regarding well construction and yield was not readily available during this investigation.

The site building is constructed of cement blocks with slab-on-grade construction. No basements are located within the site building. Portions of the building nearest the area of groundwater contamination include a vehicle maintenance garage and bathrooms accessed through the office section of the building. Since no groundwater contamination was detected in well MW-1, located between the area of MEK and Styrene in groundwater and the site building, no impact to indoor air is anticipated. No impact to ambient air is anticipated since the area of groundwater contamination is covered with asphalt pavement and no Volatile Organic Compounds were detected in two soil samples collected below ground surface and above groundwater.

The nearest surface water to the area of groundwater contamination is a stream located approximately 350 feet south. Based on the extent of contamination determined by laboratory analyses, no impact to the stream is anticipated.

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Adjacent and nearby properties are serviced by private water supply wells. These properties are shown on Figure 2. Inspection of the site area indicates that several (as many as 10) water supply wells are present at a mobile home park located within 300 feet of the area of groundwater contamination. Approximately 5 additional private water supply wells are located within 500 feet of the groundwater contamination.

8.0 POTENTIAL SOURCES OF CONTAMINATION

Potential sources of MEK and Styrene in groundwater at the former tank area were evaluated. Groundwater contamination was detected in only one of five monitoring wells installed on the site. The impacted well was located in the immediate area of the former tank based on depths to rock in soil borings. Sources of contamination from areas other than the tank location can be eliminated based on the groundwater analysis results.

A potential source of the MEK and Styrene detected in groundwater is pipe cleaning solvents, cements, or paints used during installation or maintenance of the tank system. These cleaners, cements, or paints likely contained Styrene and MEK. A small quantity of material may have spilled during past tank work and impacted groundwater at the tank area.

- what cleaners are in

9.0 SUMMARY AND CONCLUSIONS

*- On site vehicle painting? use?
- degreasing?*

MEK and Styrene as well as low levels of MTBE, Benzene, Toluene, and Xylene were detected in a groundwater sample collected in June 1999 during a Tank Closure Assessment. Additional subsurface investigation procedures completed in December 1999 detected only MEK at 210 ug/L and Styrene at 260 ug/L in one of five monitoring wells installed at the tank removal area. The concentration of Styrene (260 ug/L) detected in groundwater from well MW-3 exceeds the applicable Enforcement Standard (100 ug/L) and Preventive Action Level (50 ug/L) established by DEC within the Groundwater Protection Rule and Strategy (Rule 97-P14).

No Volatile Organic Compounds were detected by laboratory analysis of soil samples from two borings. The groundwater contamination appears to be confined to the immediate area of the former tank location. No impact to sensitive receptors including an on-site water supply well, indoor or ambient air, a small stream approximately 350 feet away, and water supply wells on adjacent and nearby properties has been reported, observed, or is likely to occur. The most likely source of MEK and Styrene in groundwater is past use of cleaning solvents, cements, and/or paints during construction or maintenance of the former underground tank system.

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10.0 RECOMMENDATIONS

ENPRO recommends implementation of a quarterly groundwater monitoring program at the tank removal area. Since groundwater contamination is not extensive and does not appear to be migrating from the former tank area, long-term treatment does not appear warranted at this time. The groundwater monitoring program can be used to track seasonal groundwater level fluctuations and flow pattern variations as well as contaminant concentrations in the area of known MEK and Styrene groundwater contamination. In the recommended quarterly groundwater monitoring program, groundwater levels at each of the five wells will be recorded and groundwater samples will be collected from selected wells for laboratory analysis of Volatile Organic Compounds (EPA 8260). The data will be compiled and used to evaluate the need for long-term groundwater treatment, continued monitoring, or closure of the site. ENPRO recommends the quarterly monitoring program for a one-year period with reevaluation of the site conditions upon completion of the program.

11.0 LIMITATIONS

This Limited Site Investigation Report was prepared for the exclusive use of Bell Atlantic to document procedures completed at the former area of an underground storage tank system at the Bell Atlantic facility at 917 US Route 5, Dummerston, VT. The conclusions stated were based on observations by ENPRO personnel, laboratory analysis of soil samples collected from selected soil borings, laboratory analysis of groundwater samples from monitoring wells, and laboratory analysis of a water sample collected from the site water supply well system, and professional judgment. The observations made and results presented in this report are believed to be representative of current site conditions at the time of ENPRO's assessment. No other warranty is expressed, written or implied. Reproduction of this report or its contents is prohibited without written approval from Bell Atlantic and ENPRO Services, Inc. ENPRO is not responsible for independent conclusions, opinions or recommendations made by others based on the information contained herein.

This investigation does not constitute a complete determination of whether past or current owners or occupants of the site have been in compliance with all state, federal, and local environmental regulations. This report addresses only the scope of work stated, no conclusions can be made regarding the existence of conditions not specifically addressed by the analytical testing performed.

All monitoring wells installed on the site are the property of Bell Atlantic and must be maintained or abandoned in accordance with applicable guidance documents prepared by VT Agency of Natural Resources or the USEPA.

Information in this report was based on reports provided by other consultants. No extraordinary effort was made to confirm the accuracy of these reports.

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TABLES

TABLE 1

SUMMARY OF GROUNDWATER QUALITY

**Underground Tank Removal Area
Bell Atlantic
917 US Route 5
Dummerston, Vermont**

CONTAMINANT	CONCENTRATION (ug/L)								
	UST Removal Area <small>June 29, 1999</small>	MW-1	MW-2	MW-3	MW-4	MW-5	Water Supply Well	Enforcement Standard	Preventive Action Level
Styrene	1	< 2	< 2	260	< 2	< 2	< 0.5	100	60
2-Butanone (MEK)	70	< 10	< 10	210	< 10	< 10		4200	2100
MTBE	110	< 2	< 2	< 2	< 2	< 2	< 0.5	40	20
Benzene	2	< 2	< 2	< 2	< 2	< 2	< 0.5	5	0.5
Toluene	3	< 2	< 2	< 2	< 2	< 2	< 0.5	1000	500
Xylene	2	< 2	< 2	< 2	< 2	< 2	< 0.5	10000	5000

Notes: See AMRO Laboratory Report 9912084 for complete analysis results for December 8, 1999
 Sample locations shown on Figure 4.
 Preventive Action Level and Enforcement Standards taken from VT Agency of Natural Resources
Groundwater Protection Rule and Strategy Primary Groundwater Quality Standards.

Table 2

**Groundwater Elevation Data
December 8, 1999**

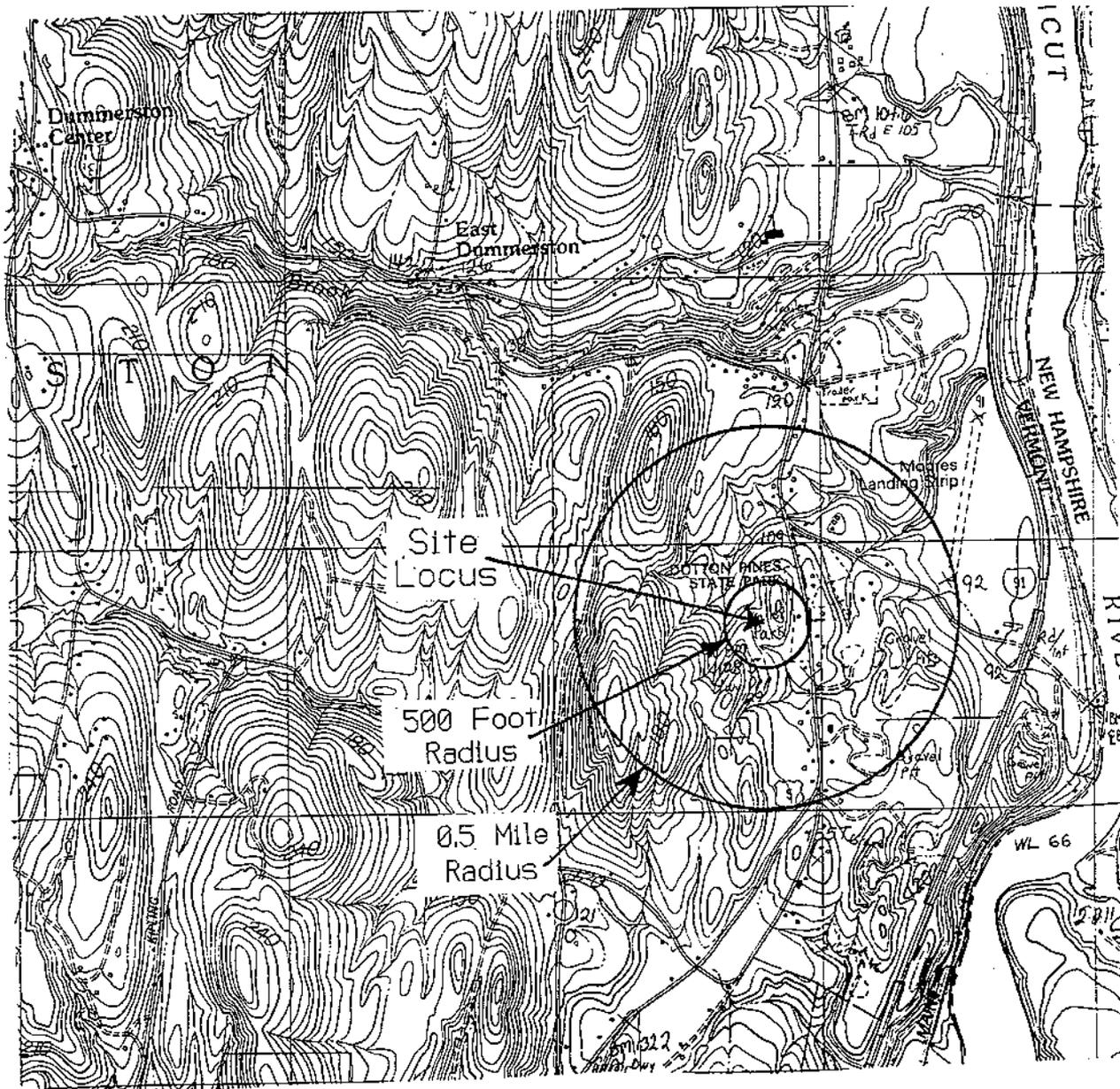
**Underground Tank Removal Area
Bell Atlantic
917 US Route 5
Dummerston, VT**

Well	MW-1	MW-2	MW-3	MW-4	MW-5
Reference Elevation *	99.73	100.00	99.61	99.53	99.84
Depth to Groundwater	5.75	6.00	5.62	5.55	6.47
Groundwater Elevation	93.98	94.00	93.99	93.98	93.37
Observations during sampling	No sheen No odor	Faint sheen No odor	Faint sheen Resin odor	No sheen No odor	No sheen No odor

Notes: * Top of pvc riser pipe used as referenced elevation at each well.
Elevation of top of pvc at MW-2 assumed 100.00



FIGURES



Notes:

1. USGS Newfane, Vt- NH 7.5x15 minute Quadrangle Map used as base map.
2. Site Longitude 72° 32' 26.4", Latitude 42° 55' 13.7"



Scale in Feet



Quadrangle Location

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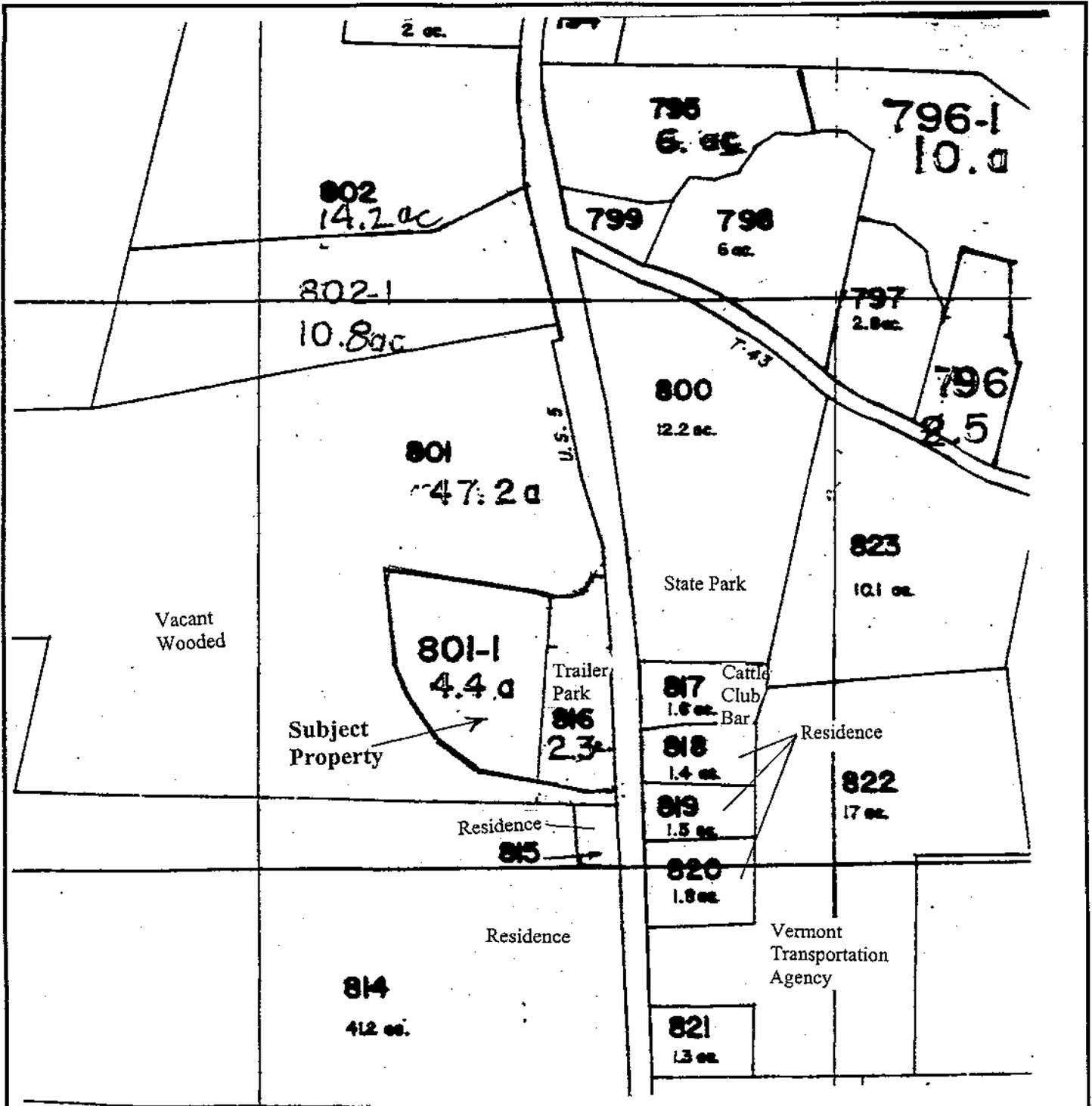
Limited Subsurface Investigation
 Groundwater Contamination at UST Area
 Bell Atlantic Maintenance Garage
 917 US Route 5/Charette Drive
 Dummerston, Vermont

Figure 1 - Site Locus Map

DEW

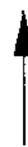
12/13/99

Job #2402



Note: Site is Property Map 8, Lot 801-1

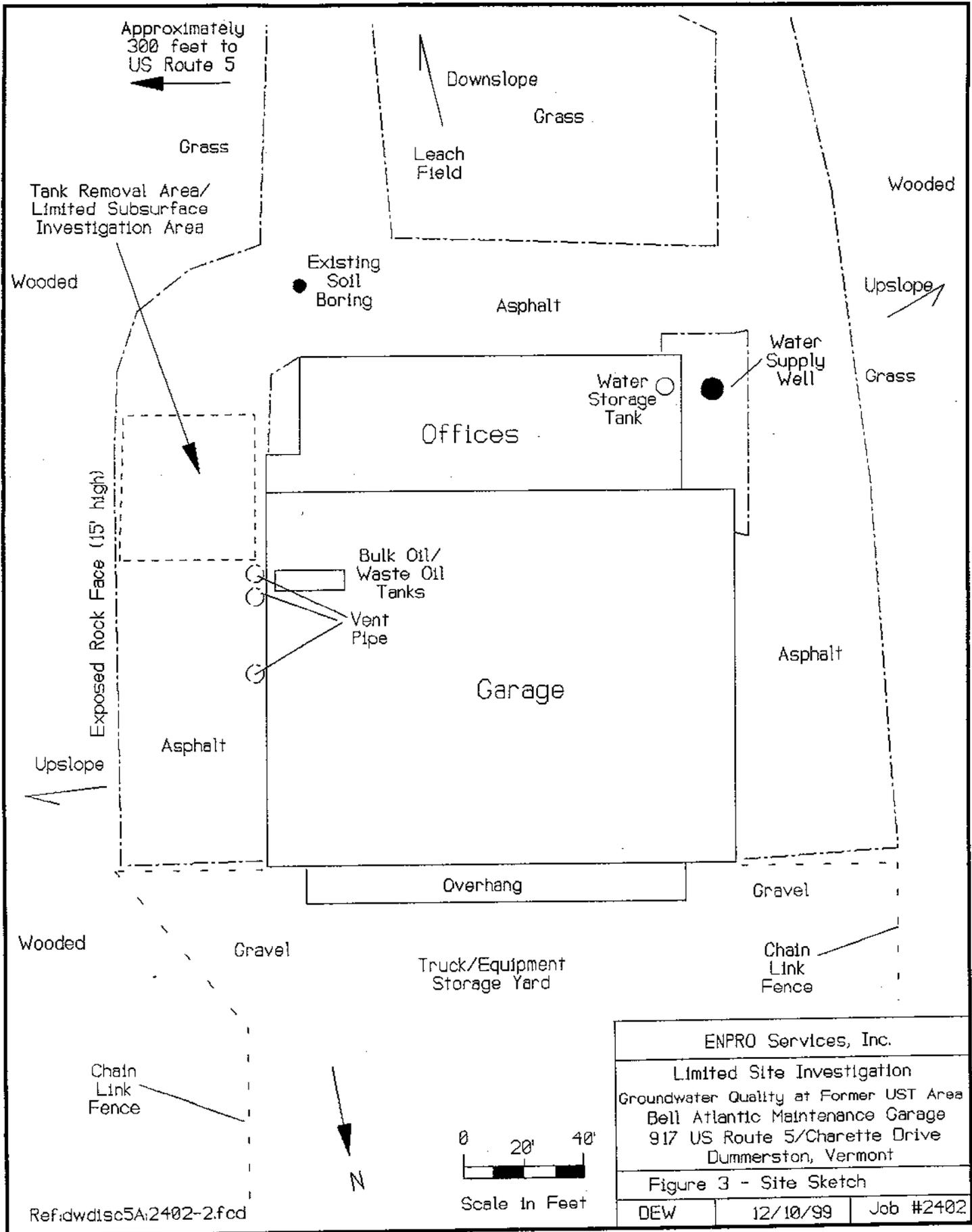
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Scale in Feet

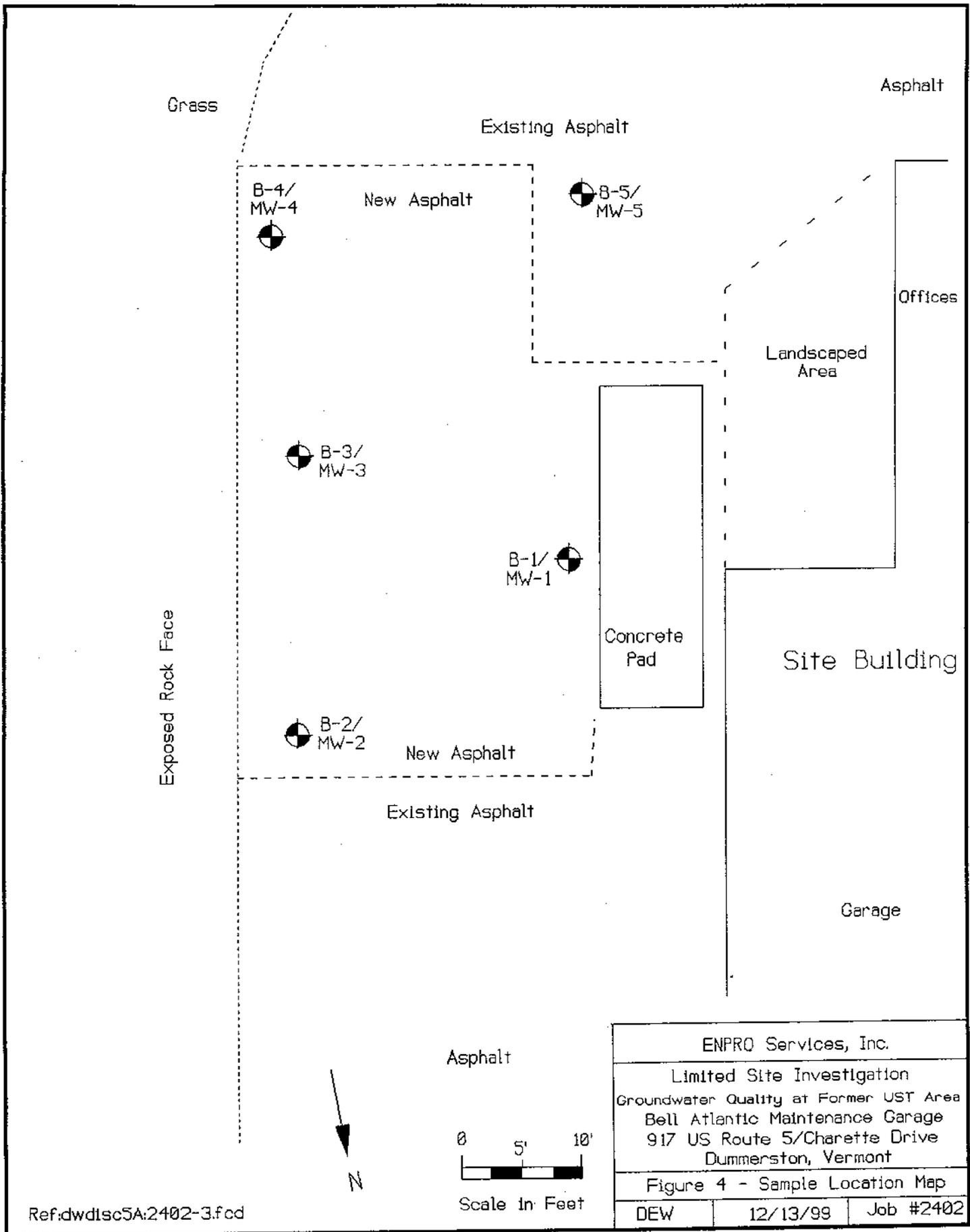
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Limited Site Investigation		
Groundwater Contamination at UST Area		
Bell Atlantic Maintenance Garage		
917 US Route 5/Charette Drive		
Dummerston, Vermont		
Figure 2 - Assessor's Property Map		
DEW	12/10/99	Job #2402



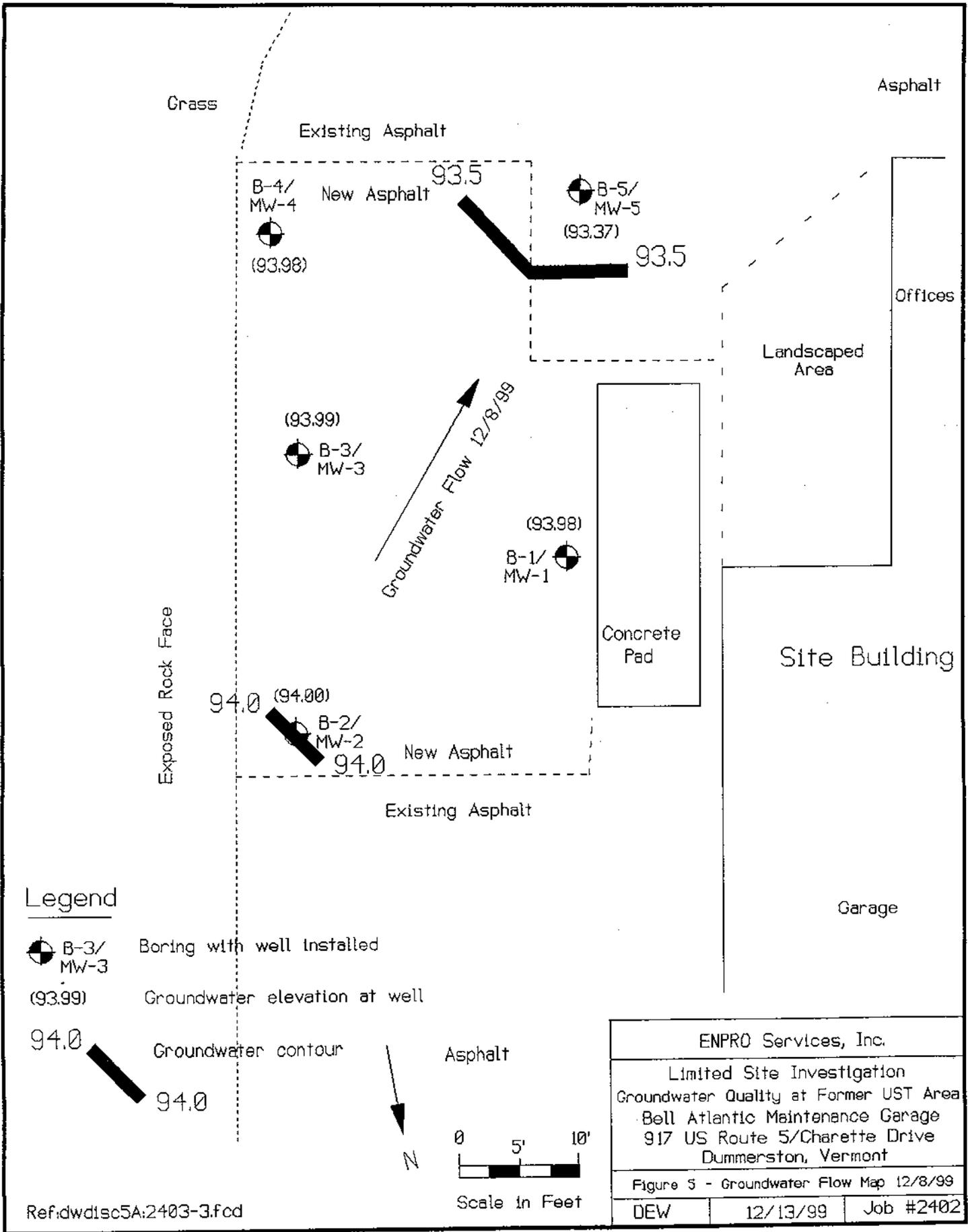
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Limited Site Investigation		
Groundwater Quality at Former UST Area		
Bell Atlantic Maintenance Garage		
917 US Route 5/Charette Drive		
Dummerston, Vermont		
Figure 3 - Site Sketch		
DEW	12/10/99	Job #2402

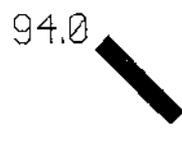


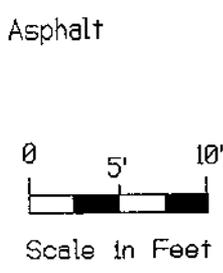
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Limited Site Investigation		
Groundwater Quality at Former UST Area		
Bell Atlantic Maintenance Garage		
917 US Route 5/Charette Drive		
Dummerston, Vermont		
Figure 4 - Sample Location Map		
DEW	12/13/99	Job #2402



Legend

-  B-3/MW-3 Boring with well installed
- (93.99) Groundwater elevation at well
-  94.0 Groundwater contour



ENPRO Services, Inc.		
Limited Site Investigation Groundwater Quality at Former UST Area Bell Atlantic Maintenance Garage 917 US Route 5/Charette Drive Dummerston, Vermont		
Figure 3 - Groundwater Flow Map 12/8/99		
DEW	12/13/99	Job #2402



APPENDIX 1



State of Vermont

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
State Geologist
RELAY SERVICE FOR THE HEARING IMPAIRED
1-800-253-0191 TDD>Voice
1-800-253-0195 Voice>TDD

AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation
Waste Management Division
103 South Main Street/West Office
Waterbury, Vermont 05671-0404
(802) 241-3888
FAX (802) 241-3296

October 6, 1999

Mr. Peter Burnell
Bell Atlantic
125 High Street
Boston, MA 02110

RE: Petroleum Contamination at Bell Atlantic #4731-08
Dummerston, Vermont
SMS Site # 99-2662 (former site 90-0544)

Dear Mr. Burnell:

The Sites Management Section (SMS) has received the Underground Storage Tank (UST) closure report which outlines the subsurface conditions for the above referenced site. The fieldwork was conducted by Pennoni Associates on June 29, 1999. The report is dated July 16, 1999 and summarizes the degree and extent of contamination encountered. The USTs removed include:

- UST #1 - 10,000 gallon gasoline UST

During the site activities, screened soils had concentrations up to 14.2 parts per million (ppm) as measured by a photoionization detector (PID). The peak PID readings were measured at depths of 7.0 feet below ground surface (fbgs) in the excavation. All soil was used for backfill at the conclusion of the UST removal program.

Site soils consisted of sand and peastone. Groundwater was encountered at a (maximum) depth of approximately 8 fbgs. Visual observations of groundwater during the UST removal did not exhibit signs of contamination (e.g. free-product or sheens). However, a sample of groundwater from the excavation contained 110 ppb MTBE, 70 ppb MEK, 1 ppb styrene and minor concentrations of BTEX.

The Bell Atlantic #4731-08 was not reported to have been inspected for sensitive receptors. The possible receptors potentially affected include groundwater, basements of adjacent buildings, nearby surface water, and public or private drinking water wells.

Based on the report information, the SMS has determined additional work is necessary to determine the severity of contamination. Due to possible contamination to nearby receptors, the SMS requests that Bell Atlantic retain the services of a qualified environmental consultant to perform the following:

- Determine the degree and extent of contamination, if any, to groundwater. A sufficient number of monitoring sites should be installed to adequately define the severity of site contamination. Analyze groundwater samples for MEK, styrene, BTEX and MTBE. Please address the potential sources of MEK and styrene. At sites proximal to water supply sources, determine the hydrologic relationship of the contaminated area to the water supply source. Pumping influences should be considered in the evaluation.
- Assess the potential for contaminant impact on sensitive receptors. Base this update on all available information and include basements of adjacent buildings, nearby surface water, any proximal drinking water sources, wetlands, sensitive ecologic areas, outdoor or indoor air, sewers, or utility corridors. Sample and analyze any at-risk water supplies.

- Determine the need for long-term treatment and/or monitoring that addresses groundwater contamination.
- Submit a summary report that outlines the work performed, as well as provides conclusions and recommendations. As appropriate include analytical data; a site map showing the location of any potential sensitive receptors, stockpiled soils and monitoring or sample locations; an area map; detailed well logs; and a groundwater contour map.
- With the Workplan or Expressway form, please submit a site location map at an approximate scale of 1:24000 showing the location of the site. Please include a scale, a north arrow, the SMS site number, and a citation of the source map. The purpose of this map is to enable the SMS to enter the site location into a Geographical Information Systems database.

Please have your consultant submit a preliminary work plan and cost estimate or a site investigation expressway notification form within fifteen days of your receipt of this letter, so it may be approved prior to the initiation of onsite work. Enclosed please find a list of consultants who perform this type of work as well as the brochure "Selecting Your UST Cleanup Contractor," which will help you in choosing an environmental consultant.

Based on current information, the underground storage tanks at Bell Atlantic #4731-08 are not eligible for participation in the Petroleum Cleanup Fund (PCF). We understand that Bell Atlantic is self insured. Please refer to the enclosed guidance document titled, "Procedures for Reimbursement from the Petroleum Cleanup Fund" for additional information concerning the PCF.

The Secretary of the Agency of Natural Resources reserves the right to seek cost recovery of fund monies spent at the Bell Atlantic #4731-08 site if the Secretary concludes that Bell Atlantic is in significant violation of the Vermont Underground Storage Tank Regulations or the Underground Storage Tank statute (10 V.S.A., Chapter 59).

We realize this may be a lot to absorb and respond to. We are here to help make this process as effective and uncomplicated as possible. Please review the enclosed documents and call me with any questions you may have. I can be reached at (802) 241-3876.

Sincerely,



Chuck Schwer, Supervisor
Sites Management Section

Enclosures (3)

cc: Dummerston Selectboard w/o enclosure
Dummerston Health Officer w/o enclosure
DEC Regional Office w/o enclosure (transmitted electronically) ✓
Russell Barton, Pennoni & Associates w/o enclosure Concord Center #311, Ferry Street, Concord, NH 03301

CS
H2662.wpd



APPENDIX 2



State of Vermont

ORIGINAL

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
Site Manager
Waste Management Division
100 South Main Street, Room 400
Montpelier, Vermont 05602-0000
Phone: 248-2600 FAX: 248-2600

Waste Management Division
100 South Main Street, Room 400
Montpelier, Vermont 05602-0000
Phone: 248-2600 FAX: 248-2600

SITE INVESTIGATION EXPRESSWAY NOTIFICATION FORM

Site Owner: Bell Atlantic (Operator); Harold and Barbara Loney (Owner)

Site Name, Town: Rte 5, Dummerston, VT SMS Site #99-2562

Yes, this site will participate in the Site Investigation Expressway Process (Pursuant to the attached VT DEC letter of October 6, 1999)

No, this site will not participate in the Site Investigation Expressway Process.

If yes, please complete the checklist below:

Contamination present in soils above action levels Yes No

If yes, summarize levels:

Free product observed Yes No

Groundwater contamination observed Yes No

Surface water contamination observed Yes No

Suspected release of hazardous substances Yes No

If yes, please explain:

Low levels of MTBE (110 ppb), MEK (70 ppb), acetone (1 ppb) and BTEX (4 ppb) were detected in a groundwater sample from the UST excavation

Affected receptors Yes No

If yes, please identify receptors including names and addresses of third party receptors:

None noted to date

Please provide an estimated date when you expect to submit Site Investigation Report: 11/5/99

Operator's Signature/Date: [Signature]

Consultant's Signature/Date: [Signature]

The SMS has reviewed this expressway notification form and approves / disapproves / disapproves of this action.

SMS Signature/Date: [Signature]

11/17/99

Regional #	Post-it® Fax Note	7671	Date	11/17	# of pages	1
To	Gestff Brown		From	Chuck Schwan		
Co./Dept.			Co.			
Phone #			Phone #			
Fax #			Fax #			



APPENDIX 3

DataMap Technology Corporation

Environmental FirstSearch™ Report

TARGET PROPERTY:

**917 US ROUTE 5 HWY
DUMMERSTON VT 05301**

Job Number: 2402

PREPARED FOR:

ENPRO Services, Inc.

12 Mulliken Way

Newburyport, MA 01950

12-13-99

Tel: (781) 320-3720

Fax: (781) 320-3715

Environmental FirstSearch is a registered trademark of DataMap Technology Corporation. All rights reserved.

Environmental FirstSearch

Search Summary Report

Target Site: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2 >	ZIP	TOTALS
NPL	Y	10-13-99	1.00	0	0	0	0	0	0	0
CERCLIS	Y	10-13-99	0.50	0	0	0	0	-	0	0
RCRA TSD	Y	10-18-99	0.50	0	0	0	0	-	0	0
RCRA COR	Y	10-18-99	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	10-18-99	0.25	0	0	0	-	-	16	16
RCRA NLR	Y	10-18-99	0.25	0	0	0	-	-	7	7
ERNS	Y	09-17-99	0.25	0	0	0	-	-	19	19
NPDES	N	10-18-99	0.25	-	-	-	-	-	-	-
FINDS	Y	07-16-98	0.25	0	0	0	-	-	24	24
TRIS	N	10-12-99	0.25	-	-	-	-	-	-	-
STATE SITES	Y	10-15-99	1.00	0	0	0	0	0	7	7
SPILLS-1990	Y	10-25-99	0.25	0	0	0	-	-	7	7
SPILLS-1980	Y	10-25-99	0.25	0	0	0	-	-	3	3
SWL	Y	01-01-98	0.50	0	0	0	0	-	0	0
PERMITS	N	NA	0.25	-	-	-	-	-	-	-
OTHER	N	NA	0.25	-	-	-	-	-	-	-
REG UST/AST	Y	10-15-99	0.25	0	0	0	-	-	20	20
LEAKING UST	Y	10-15-99	0.50	0	0	0	0	-	23	23
ACTIVE PWS	N	NA	0.50	-	-	-	-	-	-	-
AQUIFERS	N	NA	0.50	-	-	-	-	-	-	-
ACEC	N	NA	0.50	-	-	-	-	-	-	-
WETLANDS	N	NA	0.50	-	-	-	-	-	-	-
FLOODPLAINS	N	09-01-96	0.50	-	-	-	-	-	-	-
- TOTALS -				0	0	0	0	0	126	126

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to DataMap Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in DataMap Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although DataMap Technology Corp. uses its best efforts to research the actual location of each site, DataMap Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of DataMap Technology Corp.'s services proceeding are signifying an understanding of DataMap Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

**Environmental FirstSearch
Site Information Report**

Request Date: 12-13-99
Requestor Name: DAN WALSH
Standard: ASTM

Search Type: COORD
Job Number: 2402

Target Address: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

Demographics

Sites: 126	Receptors: 0	Population: NA
Radon: 0.3 - 10.1 PCI/L		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-72.540666	-72:32:26	Easting:	700724.821
Latitude:	42.920472	42:55:14	Northing:	4754703.083
			Zone:	18

Comment

Comment: P.O. 63986

Additional Requests

Adjacent ZIP Codes: 0.00 Mile(s)	Topo Map Boundaries: 0.00 Mile(s)																					
<table border="1" style="width: 100%;"><thead><tr><th colspan="5">ZIP</th></tr><tr><th>Code</th><th>City Name</th><th>ST</th><th>Dist/Dir</th><th>Sel</th></tr></thead><tbody><tr><td colspan="5" style="height: 150px;"></td></tr></tbody></table>	ZIP					Code	City Name	ST	Dist/Dir	Sel						<table border="1" style="width: 100%;"><thead><tr><th>Quadrant Name</th><th>Dist/Dir</th><th>Sel</th></tr></thead><tbody><tr><td colspan="3" style="height: 150px;"></td></tr></tbody></table>	Quadrant Name	Dist/Dir	Sel			
ZIP																						
Code	City Name	ST	Dist/Dir	Sel																		
Quadrant Name	Dist/Dir	Sel																				

*Environmental FirstSearch
Selected Sites Summary Report*

TARGET SITE: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

JOB: 2402
P.O. 63986

TOTAL: 126

GEOCODED: 0

NON GEOCODED: 126

SELECTED: 14

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
-----------	----------------	----------------------------	----------------	-----------------	---------------

Environmental FirstSearch Selected Sites Summary Report

TARGET SITE: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

JOB: 2402
P.O. 63986

TOTAL: 126 **GEOCODED:** 0 **NON GEOCODED:** 126 **SELECTED:** 14

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
64	FINDS	VT AGENCY OF TRANSP VTD982763021	US RTE 5 DUMMERSTON VT	NON GC	
68	STATE	DUMMERSTON TOWN GARAGE 931421/CLOSED	EAST/WEST RD DUMMERSTON VT	NON GC	
69	STATE	EXIT 4 SUNOCO 972278/ACTIVE	ROUTE 5 DUMMERSTON VT	NON GC	
70	STATE	FORMER AFTER-THE-FALL PROPERTY 982523/ACTIVE	ROUTE 5 DUMMERSTON VT	NON GC	
71	STATE	NET DUMMERSTON 900544/CLOSED	ROUTE 5 DUMMERSTON VT	NON GC	
78	SPILLS	92-190	TOWN GARAGE DUMMERSTON VT	NON GC	
80	SPILLS	90-149	191 MM 13 NORTH DUMMERSTON VT	NON GC	
81	SPILLS80	86-019	DUMMERSTON VT	NON GC	
102	UST	VAOT DUMMERSTON GARAGE 1543	ROUTE 5 DUMMERSTON VT 05301	NON GC	
104	LUST	ABF FREIGHT TRUCKING TERMINAL 369	ROUTE 5 DUMMERSTON VT	NON GC	
105	LUST	ABF FREIGHT TRUCKING TERMINAL 1110369	ROUTE 5 DUMMERSTON VT	NON GC	
106	LUST	AFTER THE FALL CO 9991105	RTE 5 DUMMERSTON VT	NON GC	
111	LUST	BOLSTER S RESIDENCE 9990094	SCHOOL HOUSE ROAD DUMMERSTON VT	NON GC	
125	LUST	TIER RESIDENCE 9990096	OFF WEST STREET DUMMERSTON VT	NON GC	

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

JOB: 2402
P.O. 63986

FINDS SITE

SEARCH ID: 64

DIST/DIR: NON GC

MAP ID:

NAME: VT AGENCY OF TRANSP
ADDRESS: US RTE 5
DUMMERSTON VT 05301

REV:
ID1: VTD982763021
ID2:
STATUS:
PHONE:

CONTACT:

RCRIS : VTD982763021
PCS :
AFS/AIRS :
SSTS :
CERCLIS :
NCDB :
ENF DOCKET :
CONTR LIST :
CRIM DOCKET :
FFIS :
CICIS :
STATE :
PADS :
TRIS :
D&B :
UNKNOWN :

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

JOB: 2402
P.O. 63986

STATE SITE			
SEARCH ID:	DIST/DIR:	NON GC	MAP ID:
NAME: DUMMERSTON TOWN GARAGE ADDRESS: EAST/WEST RD DUMMERSTON VT WINDHAM CONTACT:		REV: 10/15/99 ID1: 931421 ID2: STATUS: CLOSED PHONE:	
PRIORITY:	NO FURTHER ACTION PLANNED		
PROJECT STATUS:	Soil Spread On Site, Site Closed		
DATE OF SITE DISCOVERY:	7/1/93 0:00:00		
DATE OF SITE CLOSURE:	3/1/95 0:00:00		
OWNER INFORMATION:			
OWNER:	Barrows Coal Co		
OWNER ADDRESS:	35 Main St Brattleboro VT		

STATE SITE			
SEARCH ID:	DIST/DIR:	NON GC	MAP ID:
NAME: EXIT 4 SUNOCO ADDRESS: ROUTE 5 DUMMERSTON VT WINDHAM CONTACT:		REV: 10/15/99 ID1: 972278 ID2: STATUS: ACTIVE PHONE:	
PRIORITY:	THREATENED SENSITIVE RECEPTOR (30 >= VSPS <= 60)		
PROJECT STATUS:	7 Ust Removed. Ongoing groundwater monitoring. Next round July 1999.		
DATE OF SITE DISCOVERY:	11/1/97 0:00:00		
DATE OF SITE CLOSURE:			
OWNER INFORMATION:			
OWNER:	J. W. Sandri Inc		
OWNER ADDRESS:	P O Box 1578 Greenfield MA 01302		

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

JOB: 2402
P.O. 63986

STATE SITE			
SEARCH ID:	DIST/DIR:	NON GC	MAP ID:
NAME: FORMER AFTER-THE-FALL PROPERTY	REV: 10/15/99	ID1: 982523	
ADDRESS: ROUTE 5 DUMMERSTON VT WINDHAM	ID2:	STATUS: ACTIVE	
CONTACT:	PHONE:		
PRIORITY:	THREATENED SENSITIVE RECEPTOR (30 >= VSPTS <= 60)		
PROJECT STATUS:	Initial investigation complete, additional sampling requested.		
DATE OF SITE DISCOVERY:	11/3/98 0:00:00		
DATE OF SITE CLOSURE:			
OWNER INFORMATION:			
OWNER:	Richard Youngman		
OWNER ADDRESS:	Stow Mills/United Natural Food Chesterfield NH 03443		

STATE SITE			
SEARCH ID:	DIST/DIR:	NON GC	MAP ID:
NAME: NET DUMMERSTON	REV: 10/15/99	ID1: 900544	
ADDRESS: ROUTE 5 DUMMERSTON VT WINDHAM	ID2:	STATUS: CLOSED	
CONTACT:	PHONE:		
PRIORITY:	NO FURTHER ACTION PLANNED		
PROJECT STATUS:	Remediation Complete, G W E S s Met		
DATE OF SITE DISCOVERY:			
DATE OF SITE CLOSURE:	8/1/95 0:00:00		
OWNER INFORMATION:			
OWNER:			
OWNER ADDRESS:			

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

JOB: 2402
P.O. 63986

STATE SPILLS SITE

SEARCH ID: 80 **DIST/DIR:** NON GC **MAP ID:**

NAME:
ADDRESS: 191 MM 13 NORTH
DUMMERSTON VT

REV: 10/25/99
ID1: 90-149
ID2:
STATUS:
PHONE: 800-347-0488

CONTACT:

DATE INCIDENT OCCURRED:
TIME INCIDENT OCCURRED:
DATE INCIDENT CLOSED: 7/3/90 0:00:00
REPORTED BY:
REPORTER S ORGANIZATION: Brattleboro State Police
REPORTER S WORK PHONE: 800-347-0488

TYPE OF INCIDENT: Oil Leak From Saddle Tank on truck
PRODUCT RELEASED: Diesel Fuel
QUANTITY:
UNIT OF MEASURE:

RESPONSIBLE PARTY:
ADDRESS:

RESPONSIBLE PARTY S PHONE:

SURFACE WATER AFFECTED:

CASE ASSIGNED TO:
ACTIONS TAKEN: Information Only
COMMENTS: Closed
DATE CLOSED: 7/3/90 0:00:00

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 917 US ROUTE 5 HWY
DUMMERSTON VT 05301

JOB: 2402
P.O. 63986

STATE SPILLS 80's SITE

SEARCH ID: 81

DIST/DIR: NON GC

MAP ID:

NAME:
ADDRESS: DUMMERSTON VT
CONTACT: CHUCK MORRILL

REV: 10/15/99
ID1: 86-019
ID2:
STATUS:
PHONE: 244-8950

DATE INCIDENT OCCURRED:
TIME INCIDENT OCCURRED:
DATE INCIDENT CLOSED:
REPORTED BY: Chuck Morrill
REPORTER S ORGANIZATION: Civ Defense
REPORTER S WORK PHONE: 244-8950
TYPE OF INCIDENT: Gas Flowing Down Rd
PRODUCT RELEASED:
QUANTITY:
UNIT OF MEASURE:
RESPONSIBLE PARTY:
ADDRESS:
RESPONSIBLE PARTY S PHONE:
SURFACE WATER AFFECTED:
CASE ASSIGNED TO:
ACTIONS TAKEN: F.d.checked It Out
COMMENTS:
DATE CLOSED:

**Environmental FirstSearch
Federal Databases and Sources**

1. **NPL: National Priority List.** The EPA's list of confirmed or proposed Superfund sites.

Updated quarterly.

2. **CERCLIS: Comprehensive Environmental Response Compensation and Liability Information System.** The EPA's database of current and potential Superfund sites currently or previously under investigation.

Updated quarterly.

3. **RCRIS: Resource Conservation and Recovery Information System.** The EPA's database of registered hazardous waste generators and treatment, storage and disposal facilities. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List).

Updated quarterly.

4. **ERNS: Emergency Response Notification System.**
The EPA's database of EPA emergency response actions.

Updated quarterly.

5. **NPDES: National Pollution Discharge Elimination System.**
The EPA's database of all permitted facilities receiving and discharging effluents to and from the environment.

Updated semi-annually.

6. **FINDS: The Facility Index System.** The EPA's Index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility.

Updated quarterly.

**Environmental FirstSearch
Vermont Databases and Sources**

1. **STATE SITES:** The Vermont Department of Environmental Conservation's database listing of all hazardous waste inventory sites as maintained by the Hazardous Materials Management Division.

Updated quarterly.

2. **UST:** Underground Storage Tanks. The Vermont Department of Environmental Conservation's database listing of all registered underground Storage tanks maintained by the Hazardous Materials Management Division.

Updated quarterly.

3. **LUST:** Leaking Underground Storage Tanks. The State of Vermont does not maintain a list of leaking underground storage tanks. The Vermont Department of Environmental Conservation's database listing of all pulled underground storage tanks maintained by the Hazardous Materials Management Division.

Updated quarterly.

4. **LANDFILLS:** The Vermont Department of Environmental Conservation's Database listing of landfills and transfer stations maintained by the Solid Waste Management Division.

Updated annually.

Environmental FirstSearch
1 Mile Radius
ASTM Map: NPL, RCRACOR, STATE Sites

917 US ROUTE 5 HWY, DUMMERSTON VT 05301



Source: 1994 U.S. Census TIGER Files

-  Target Site
-  Identified Site
-  Multiple Sites
-  Receptor
-  NPL, SWL or Haz. Waste

-  Target ZIP Boundary
-  Adjacent ZIP Boundary
-  Railroad
- Black Rings Represent 1/4 Mile Radii
- Red Ring Represents 500 ft. Radius



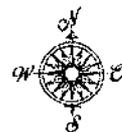
Environmental FirstSearch
 .5 Mile Radius
 ASTM Map: CERCLIS, RCRATSD, SPILLS90, SWL, LUST
 917 US ROUTE 5 HWY, DUMMERSTON VT 05301



Source: 1994 U.S. Census TIGER Files

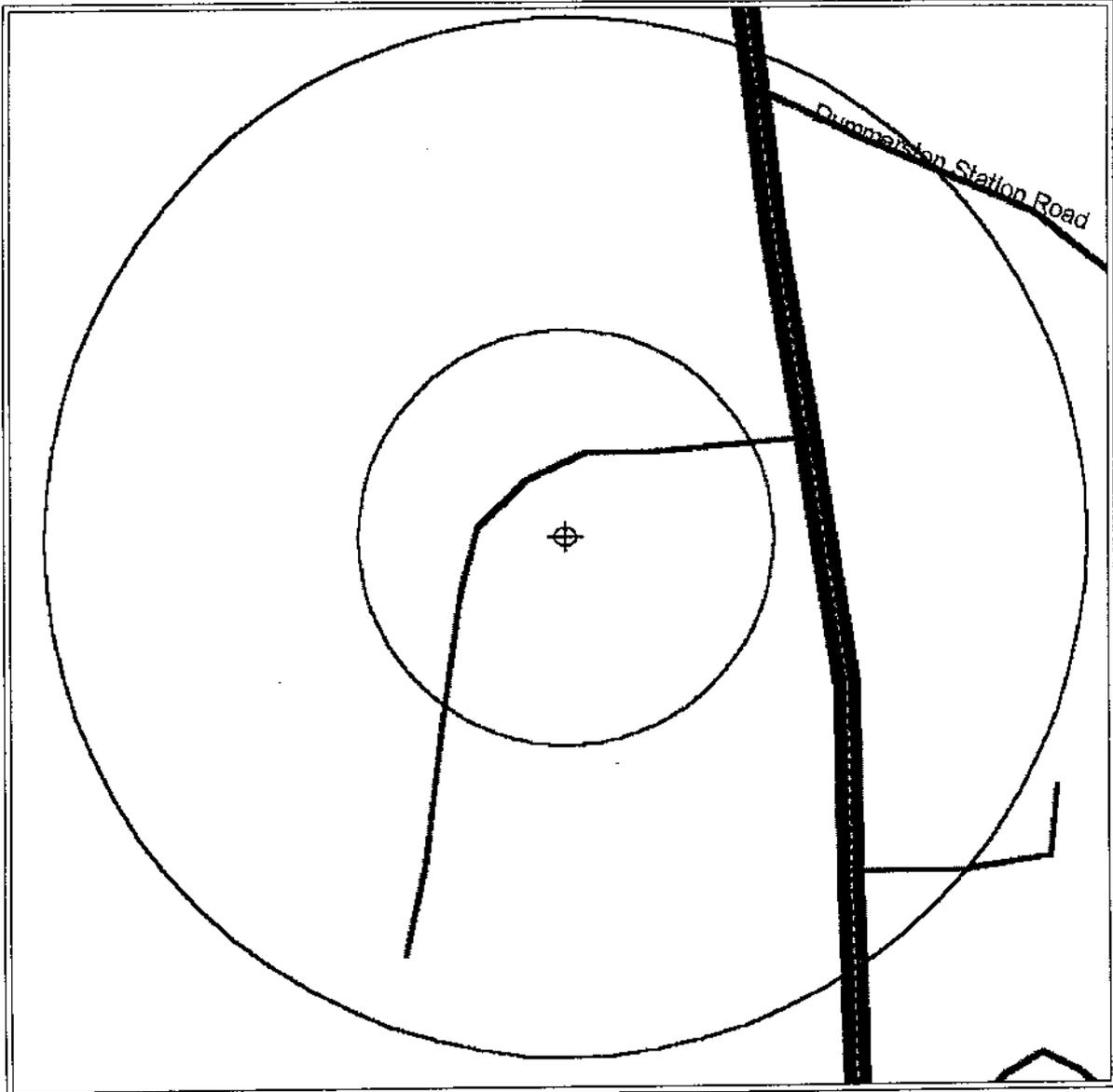
-  Target Site
-  Identified Site
-  Multiple Sites
-  Receptor
-  NPL, SWL or Haz. Waste

-  Target ZIP Boundary
-  Adjacent ZIP Boundary
-  Railroad
- Black Rings Represent 1/4 Mile Radii
- Red Ring Represents 500 ft. Radius



Environmental FirstSearch
.25 Mile Radius
ASTM Map: RCRAGEN, ERNS, UST

917 US ROUTE 5 HWY, DUMMERSTON VT 05301



Source: 1994 U.S. Census TIGER Files

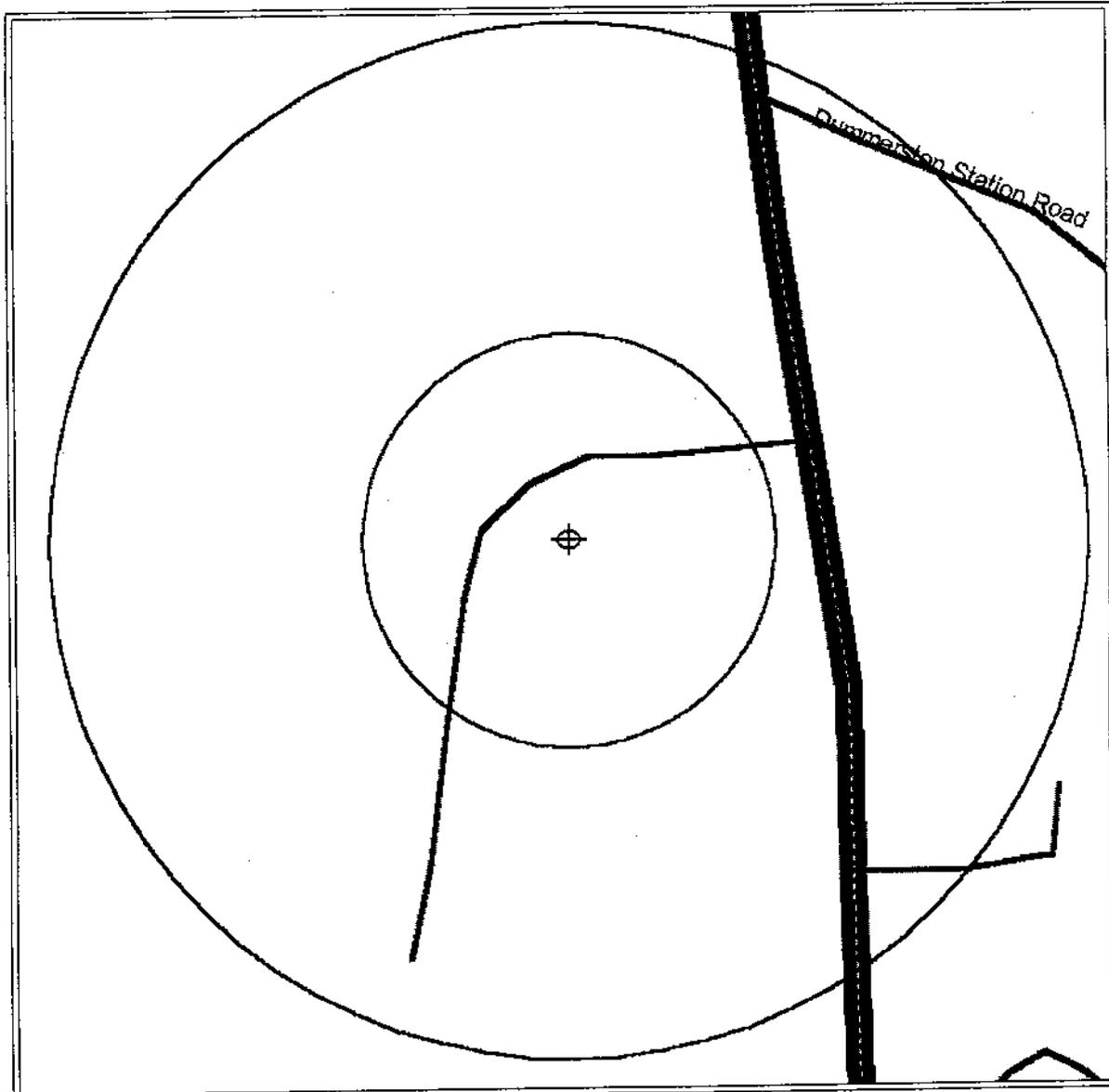
-  Target Site
-  Identified Site
-  Multiple Sites
-  Receptor
-  NPL, SWL or Haz. Waste

-  Target ZIP Boundary
-  Adjacent ZIP Boundary
-  Railroad

Black Rings Represent 1/4 Mile Radii
Red Ring Represents 500 ft. Radius



Environmental FirstSearch
 .25 Mile Radius
 Non-ASTM Map: RCRANLR, FINDS, SPILLS 80
 917 US ROUTE 5 HWY, DUMMERSTON VT 05301

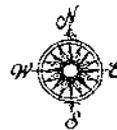


Source: 1994 U.S. Census TIGER Files

-  Target Site
-  Identified Site
-  Multiple Sites
-  Receptor
-  NPL, SWL or Haz. Waste

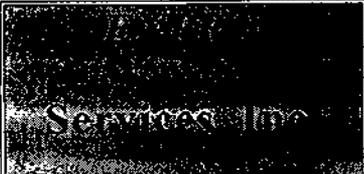
-  Target ZIP Boundary
-  Adjacent ZIP Boundary
-  Railroad

Black Rings Represent 1/4 Mile Radli
 Red Ring Represents 500 ft. Radius





APPENDIX 4

	Project/Client:	Project No:	Boring No.	Sheet
	Bell Atlantic	2402-99	B-1	1 of 1
	Location Description:	Vehicle Maintenance Garage		ENPRO Engineer
	917 US Route 5, Dummerston, VT		D. Walsh	

Drilling Contractor/Foreman Technical Drilling Services/Marty	Drill Rig Make/Model Mobile	Auger/Drive Casing Size/Type Hollow stem auger 4.25" ID
Sampler Description 2' by 1 3/8" ID split spoon	Drilling Method Hollow stem auger/ Air Hammer	Coordinates X = Y =
Filter Seal Amount/Type: Bentonite chips 3 - 1'	Drill Bit/Auger Diameter: 4.25" ID	Ref. El.: 99/73
Sand Pack Amount/Type Silica sand 15 - 3'	Hammer Weight Fall: 140#/30"	Riser Stick Up: NA
Screen Length/Type 10' of 2" pvc, #10 slot, set 15-5'	Water Table Depth 6'	Surface Elevation 100.16
Riser Length/Type 4.5' of 2" pvc set 5 - 0.5'	Total Depth: 15'	Start Date: 12/7/99 Finish Date: 12/7/99

Depth	Sample Number	Blows/RQD	Pen/Rcc Core Rec	Sample Description	Strati-Graphic Description	Field Testing	Lab Sample Number	Well Construction
1'	SS-1	14		Asphalt	Fill	0.2 ppmv		Road box Riser pipe
		15		Brown fine GRAVEL, some medium Sand, little coarse Sand				
2'		15	24/14					
3'								
4'								
5'	SS-2	40		Weathered ROCK		0.2 ppmv		Top of well
6'		110						
		120/3	15/12					
7'				Auger refusal				
8'								
9'								
10'								
11'								
12'								
13'								
14'								
15'				End of boring				Bottom of Well at 15'
16'								

Granular Soils Blows/Ft Density 0-4 V. loose 4-10 loose 10-30 M. dense 30-50 dense >50 V. dense Proportions Trace 0-10% Some 20-35% Little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 V. Soft 2-4 Soft 4-8 M. Stiff 8-15 Stiff 15-30 V. Stiff >30 Hard	Grain Size (USCS) Silt/Clay <0.08 mm F. Sand 0.43-0.08 mm M. Sand 2.0-0.43 mm C. Sand 4.8-2.0 mm F. Gravel 19-4.8 mm C. Gravel 75-19 mm Cobble 300-75 mm Boulder >300 mm	Notes: Well developed upon installation by purging 5+ gallons. Water at 5.75 feet from top pvc on 12/8/99.
---	--	--	---

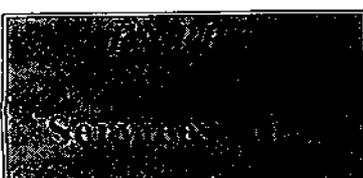
B-1/MW-1

Services	Project/Client:	Project No:	2402-99	Boring No.	B-2	Sheet
	Bell Atlantic			Well No.	MW-2	1 of 1
	Location Description: Vehicle Maintenance Garage			ENPRO Engineer		
917 US Route 5, Dummerston, VT			D. Walsh			

Drilling Contractor/Foreman Technical Drilling Services/Marty	Drill Rig Make/Model Mobile	Auger/Drive Casing Size/Type Hollow stem auger 4.25" ID
Sampler Description 2' by 1 3/8" ID split spoon	Drilling Method Hollow stem auger/ Air Hammer	Coordinates X = Y =
Filter Seal Amount/Type: Bentonite 2-1'	Drill Bit/Auger Diameter: 4.25" ID	Ref. El.: 100.00
Sand Pack Amount/Type Silica Sand 10 - 2'	Hammer Weight Fall: 140#/30"	Riser Stick Up: NA
Screen Length/Type 7' of 2" pvc, #10 slot, set 10 - 3'	Water Table Depth 6'	Surface Elevation 100.17
Riser Length/Type 2" pvc set 3 - 0.5'	Total Depth: 10'	Start Date: 12/7/99 Finish Date: 12/7/99

Depth	Sample Number	Blows/RQD	Pen/Rec Core Rec	Sample Description	Strati-Graphic Description	Field Testing	Lab Sample Number	Well Construction
1'	SS-1	10		Asphalt	Rock	1 ppmv	Submitted For analysis	Road box
		11		Dark brown fine-medium SAND, little coarse Sand, little fine Gravel				
2'		17		Dark brown fine SAND, some Silt, little Gravel,				
		22	24/15	Weathered ROCK				
3'				Auger refusal at 2.5'				
4'								
5'								
6'								
7'								
8'								
9'								
10'								
11'							Bottom of well	
12'				End of boring				
13'								
14'								
15'								
16'								

Granular Soils Blows/Ft Density 0-4 V. loose 4-10 loose 10-30 M. dense 30-50 dense >50 V. dense Proportions Trace 0-10% Some 20-35% Little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 V. Soft 2-4 Soft 4-8 M. Stiff 8-15 Stiff 15-30 V. Stiff >30 Hard	Grain Size (USCS) Silt/Clay <0.08 mm F. Sand 0.43-0.08 mm M. Sand 2.0-0.43 mm C. Sand 4.8-2.0 mm F. Gravel 19-4.8 mm C. Gravel 75-19 mm Cobble 300-75 mm Boulder >300 mm	Notes: Well developed upon installation by purging 5+ gallons. Water at 6.00 from top of pvc on 12/8/99. <div style="text-align: right;">B-2/MW-2</div>
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	Project/Client:	Project No: 2402-99	Boring No. B-3	Sheet
	Bell Atlantic		Well No. MW-3	1 of 1
	Location Description: Vehicle Maintenance Garage 917 US Route 5, Dummerston, VT		ENPRO Engineer D. Walsh	

Drilling Contractor/Foreman Technical Drilling Services/Marty	Drill Rig Make/Model Mobile	Auger/Drive Casing Size/Type Hollow stem auger 4.25" ID
Sampler Description 2' by 1 3/8" ID split spoon	Drilling Method Hollow stem auger	Coordinates X = Y =
Filter Seal Amount/Type: Bentonite chips 2-1'	Drill Bit/Auger Diameter: 4.25" ID	Ref. El.: 99.61 (pvc)
Sand Pack Amount/Type Silica Sand 10' - 2'	Hammer Weight Fall: 140#/30"	Riser Stick Up: NA
Screen Length/Type 7' of 2" pvc, # 10 slot, set 10 - 3'	Water Table Depth 6'	Surface Elevation 99.95
Riser Length/Type 2" pvc set 3 - 0.5'	Total Depth: 12'	Start Date: 12/7/99 Finish Date: 12/7/99

Depth	Sample Number	Blows/RQD	Pcm/Rcc Core Rec	Sample Description	Strati-Graphic Description	Field Testing	Lab Sample Number	Well Construction
1'	SS-1	11		Asphalt		0.2 ppmv		Road box
		8		Dark brown fine SAND, some Silt, little Gravel, little coarse Sand				Riser pipe
2'		14						
		17	24/15					
3'								Top of well
4'								
5'								
	SS-2	3		Light brown fine GRAVEL, some medium Sand, little coarse Sand		0.2 ppmv	Submitted for analysis	
6'		2						
		2						
7'		2	24/15					
8'								
9'								
10'								
	SS-3	3		Wet, fine GRAVEL, little fine-medium Sand, little coarse Sand				Bottom of Well at 10'
11'		4						
		2						
12'		2	24/12	End of boring				
13'								
14'								
15'								
16'								

Granular Soils Blows/Ft Density 0-4 V. loose 4-10 loose 10-30 M. dense 30-50 dense >50 V. dense Proportions Trace 0-10% Some 20-35% Little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 V. Soft 2-4 Soft 4-8 M. Stiff 8-15 Stiff 15-30 V. Stiff >30 Hard	Grain Size (USCS) Silt/Clay <0.08 mm F. Sand 0.43-0.08 mm M. Sand 2.0-0.43 mm C. Sand 4.8-2.0 mm F. Gravel 19-4.8 mm C. Gravel 75-19 mm Cobble 300-75 mm Boulder >300 mm	Notes: Well developed upon installation by purging 5+ gallons. Groundwater at 5.62 from top pvc on 12/8/99. <div style="text-align: right;">B-3/MW-3</div>
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	Project/Client:	Project No: 2402-99	Boring No. B-4	Sheet
	Bell Atlantic		Well No. MW-4	1 of 1
	Location Description: Vehicle Maintenance Garage 917 US Route 5, Dummerston, VT		ENPRO Engineer D. Walsh	

Drilling Contractor/Foreman Technical Drilling Services/Marty	Drill Rig Make/Model Mobile	Auger/Drive Casing Size/Type Hollow stem auger 4.25" ID	
Sampler Description 2' by 1 3/8" ID split spoon	Drilling Method Hollow stem auger	Coordinates X = Y =	
Filter Seal Amount/Type: Bentonite 2 - 1'	Drill Bit/Auger Diameter: 4.25" ID	Ref. El.:	99.53 (pvc)
Sand Pack Amount/Type Silica Sand 10 - 2'	Hammer Weight Fall: 140#/30"	Riser Stick Up:	NA
Screen Length/Type 7' of 2' pvc, #10 slot set 10 - 3'	Water Table Depth 6'	Surface Elevation	99.76
Riser Length/Type 2" pvc set 3-0.5'	Total Depth: 10'	Start Date: 12/7/99	Finish Date: 12/7/99

Depth	Sample Number	Blows/RQD	Pen/Rec Core Rec	Sample Description	Strati-Graphic Description	Field Testing	Lab Sample Number	Well Construction
1'	SS-1	9		Asphalt	fill	0.2 ppmv		Road box Riser pipe
		10		Dark brown fine GRAVEL, some medium-coarse Sand trace fine Sand				
2'		11						
		12	24/16					
3'					Rock	0.2 ppmv		Top of well screen
4'								
5'								
	SS-2	39		Weathered rock				
6'		20						
		7						
7'		2	24/13		End of boring at 10'			Bottom of well at 10'
8'								
9'								
10'								
11'								
12'								
13'								
14'								
15'								
16'								

Granular Soils Blows/Ft Density 0-4 V. loose 4-10 loose 10-30 M. dense 30-50 dense >50 V. dense Proportions Trace 0-10% Some 20-35% Little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 V. Soft 2-4 Soft 4-8 M. Stiff 8-15 Stiff 15-30 V. Stiff >30 Hard	Grain Size (USCS) Silt/Clay <0.08 mm F. Sand 0.43-0.08 mm M. Sand 2.0-0.43 mm C. Sand 4.8-2.0 mm F. Gravel 19-4.8 mm C. Gravel 75-19 mm Cobble 300-75 mm Boulder >300 mm	Notes: Well developed upon installation by purging 5 + gallons. Groundwater at 5.55' from top of pvc on 12/8/99.
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B-4/MW-4

	Project/Client:	Project No: 2402-99	Boring No. B-5	Sheet
	Bell Atlantic		Well No. MW-5	1 of 1
	Location Description: Vehicle Maintenance Garage		ENPRO Engineer	
917 US Route 5, Dummerston, VT		D. Walsh		

Drilling Contractor/Foreman Technical Drilling Services/Marty		Drill Rig Make/Model Mobile		Auger/Drive Casing Size/Type Hollow stem auger 4.25" ID	
Sampler Description 2' by 1 3/8" ID split spoon			Drilling Method Hollow stem auger		Coordinates X = Y =
Filter Seal Amount/Type: Bentonite chips 2 - 1'		Drill Bit/Auger Diameter: 4.25" ID		Ref. El.: 99.84 (pvc)	
Sand Pack Amount/Type Silica Sand 10 - 2'		Hammer Weight Fall: 140#/30"		Riser Stick Up: NA	
Screen Length/Type 7' of 2" pvc, #10 slot set 10-3'		Water Table Depth 6'		Surface Elevation 100.04	
Riser Length/Type 2' pvc set 3 - 0.5'		Total Depth: 10'		Start 12/7/99 Date: 99 Finish 12/7/99 Date:	

Depth	Sample Number	Blows/RQD	Pen/Rec Core Rec	Sample Description	Strati-Graphic Description	Field Testing	Lab Sample Number	Well Construction
1'	SS-1	7		Asphalt		0.2 ppmv		Road box
		8		Light brown medium-coarse SAND, some fine Gravel				Riser pipe
		11		little fine Sand				
2'		44	24/6					
3'								
4'								Well screen
5'								
6'	SS-2	17		Dark brown fine SAND, little Silt, little fine Gravel,		0 ppmv		
		21		trace medium-coarse Sand				
		24						
7'		22	27/17					
				More difficult augering/weathered rock				
8'								
9'								
10'								
				End of boring at 10'				Bottom of well at 10'
11'								
12'								
13'								
14'								
15'								
16'								

Granular Soils Blows/Ft Density 0-4 V. loose 4-10 loose 10-30 M. dense 30-50 dense >50 V. dense		Cohesive Soils Blows/ft Density >2 V. Soft 2-4 Soft 4-8 M. Stiff 8-15 Stiff 15-30 V. Stiff >30 Hard		Grain Size (USCS) Silt/Clay <0.08 mm F. Sand 0.43-0.08 mm M. Sand 2.0-0.43 mm C. Sand 4.8-2.0 mm F. Gravel 19-4.8 mm C. Gravel 75-19 mm Cobble 300-75 mm Boulder >300 mm		Notes: Well developed upon installation by purging 5 + gallons. Water at 6.47 from top of pvc on 12/8/99.	
Proportions Trace 0-10% Some 20-35% Little 10-20% and 35-50%						B-5/MW-5	



APPENDIX 5



December 28, 1999

Dan Walsh
ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX (978) 465-2050

RE: 2402 Bell Atlantic Dummerston, VT

Order No.: 9912094

Dear Dan Walsh,

AMRO Environmental Laboratories Corp. received 8 samples on 12/10/99 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds EPA and state requirements. A copy of the appropriate State Certificate is attached. The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt.

Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart

CC:

CUSTOMER: Amro Environmental

LAB#: 99120151-01

SAMPLE LOCATION: MA

JOB#: 9912094-08A

SAMPLE IDENTITY: Water Well

CONTROL #: 31346

DATE SAMPLED: 12/08/99

DATE REC'D: 12/15/99

DATE ANALYZED: 12/21/99

MATRIX: LIQUID

DETECTION LIMIT BASED ON PQL
DETECTION LIMIT MULTIPLIER:

COMPOUND	CONCENTRATION (UG/L)	(UG/L) X 1
BENZENE	BDL	0.5
BROMOBENZENE	BDL	0.5
BROMOCHLOROMETHANE	BDL	0.5
BROMODICHLOROMETHANE	BDL	0.5
BROMOFORM	BDL	0.5
BROMOMETHANE	BDL	0.5
CARBON TETRACHLORIDE	BDL	0.5
CHLOROBENZENE	BDL	0.5
CHLOROETHANE	BDL	0.5
CHLOROFORM	BDL	0.5
CHLOROMETHANE	BDL	0.5
2-CHLOROTOLUENE	BDL	0.5
4-CHLOROTOLUENE	BDL	0.5
DIBROMOCHLOROMETHANE	BDL	0.5
1,2-DIBROMO-3-CHLOROPROP,	BDL	0.5
1,2-DIBROMOETHANE	BDL	0.5
DIBROMOMETHANE	BDL	0.5
1,2-DICHLOROBENZENE	BDL	0.5
1,3-DICHLOROBENZENE	BDL	0.5
1,4-DICHLOROBENZENE	BDL	0.5
DICHLORODIFLUOROMETHANE	BDL	0.5
1,1-DICHLOROETHANE	BDL	0.5
1,2-DICHLOROETHANE	BDL	0.5
1,1-DICHLOROETHENE	BDL	0.5
CIS-1,2-DICHLOROETHENE	BDL	0.5
TRANS-1,2-DICHLOROETHENE	BDL	0.5
1,2-DICHLOROPROPANE	BDL	0.5
1,3-DICHLOROPROPANE	BDL	0.5
2,2-DICHLOROPROPANE	BDL	0.5
1,1-DICHLOROPROPENE	BDL	0.5
CIS-1,3-DICHLOROPROPENE	BDL	0.5
TRANS-1,3-DICHLOROPROPEN	BDL	0.5
ETHYLBENZENE	BDL	0.5
METHYLENE CHLORIDE	BDL	0.5
STYRENE	BDL	0.5
1,1,1,2-TETRACHLOROETHANE	BDL	0.5
1,1,2,2-TETRACHLOROETHANE	BDL	0.5
TETRACHLOROETHENE	BDL	0.5
TOLUENE	BDL	0.5

CONTINUED: 1 OF 2 PAGES

CUSTOMER: Amro Environmental

LAB#: 99120151-01

SAMPLE LOCATION: MA

JOB#: 9912094-08A

SAMPLE IDENTITY: Water Well

CONTROL #: 31346

DATE SAMPLED: 12/08/99

DATE REC'D: 12/15/99
MATRIX: LIQUID

DATE ANALYZED: 12/21/99

DETECTION LIMIT BASED ON PQL
DETECTION LIMIT MULTIPLIER:
(UG/L) X 1

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT MULTIPLIER: (UG/L) X 1
1,1,1-TRICHLOROETHANE	BDL	0.5
1,1,2-TRICHLOROETHANE	BDL	0.5
TRICHLOROETHENE	BDL	0.5
TRICHLOROFUOROMETHANE	BDL	0.5
1,2,3-TRICHLOROPROPANE	BDL	0.5
VINYL CHLORIDE	BDL	0.5
TOTAL XYLENES	BDL	0.5
METHYL-TERTIARY-BUTYL ETH	BDL	0.5
CARBON DISULFIDE	BDL	0.5
n-BUTYLBENZENE	BDL	0.5
sec-BUTYLBENZENE	BDL	0.5
tert-BUTYLBENZENE	BDL	0.5
ISOPROPYLBENZENE	BDL	0.5
4-ISOPROPYLTOLUENE	BDL	0.5
n-PROPYLBENZENE	BDL	0.5
1,2,3-TRICHLOROBENZENE	BDL	0.5
1,2,4-TRICHLOROBENZENE	BDL	0.5
1,2,4-TRIMETHYLBENZENE	BDL	0.5
1,3,5-TRIMETHYLBENZENE	BDL	0.5
HEXACHLOROBUTADIENE	BDL	0.5
NAPHTHALENE	BDL	0.5

BDL=BELOW DETECTION LIMIT

ANALYZED BY: PF



VOA SPIKE RECOVERY FORM
EPA METHOD 524.2

CUSTOMER: Amro Environmental

LAB#: 99120151

SAMPLE LOCATION: MA

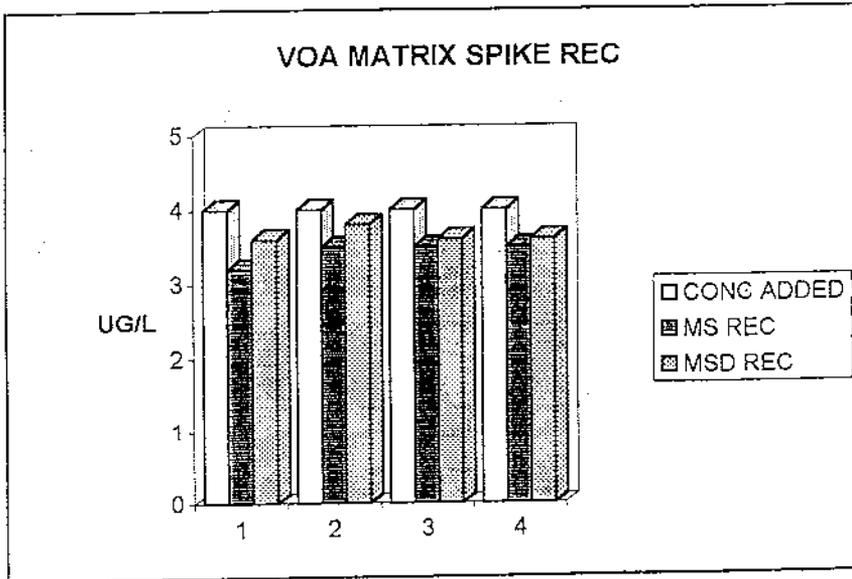
JOB#: 9912094-08A

SAMPLE IDENTITY: MATRIX SPIKE 99120106-01

CONTROL #: 31346

DATE ANALYZED: 12/21/99

COMPOUND	CONC ADDED (UG/L)	AMT REC (UG/L)	DUP AMT REC (UG/L)	%REC	DUP % REC	%DIFF
1,1-DICHLOROETHENE	4	3.2	3.6	80%	90%	10%
BENZENE	4	3.5	3.8	88%	95%	8%
TRICHLOROETHENE	4	3.5	3.6	88%	90%	3%
CHLOROBENZENE	4	3.5	3.6	88%	90%	3%



SPIKE RECOVERY LIMITS
75-115%

Chain of Custody No. 31546

Multiple COC's Yes No



317 Elm Street Milford, NH 03055
(603) 673-5440/ Fax (603) 673-0366

CHAIN OF CUSTODY

A CUSTOMER INFORMATION		B PROJECT INFORMATION		C SAMPLE INFORMATION	
CUSTOMER: <u>Amro</u>		JOB NAME: _____		TURNAROUND TIME: (CIRCLE ONE):	
ADDRESS: _____		JOB NUMBER: _____		STANDARD <u>RUSH</u> 12/23	
CITY/STATE/ZIP: _____		LOCATION: _____		RUSH T.A.T. _____ (CHECK w/LAB)	
TELEPHONE: _____		TELEPHONE: _____		AMBER GLASS (AG) / GLASS (G) / PLASTIC (P)	
REPORT TO: _____		CONTACT: _____		<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> K CONTAINER AND PRESERVATIVE </div> L ANALYSIS	
P O NUMBER: _____		QUOTE NUMBER: _____			

STATION # D	SAMPLE IDENTIFICATION & LOCATION E	COLLECTED		SAMPLE TYPE		MATRIX SOLID (S) LIQUID (L) COMBINED (C) HAZARD (H)	# OF CONTAINERS	ANALYSIS															
		DATE	TIME	GRAB	COMP																		

M CUSTODY	SAMPLER: _____	DATE	MILITARY TIME	SAMPLE CHECK LIST: RECEIVED WITHIN HOLD TIME YES OR NO RECEIVED IN GOOD CONDITION YES OR NO TEMP BLANK _____ °C SHIPPED OR HAND DELIVERED SAMPLES WERE PROPERLY PRESERVED YES NO N/A SAMPLES WERE FILTERED IN FIELD LAB N/A IF NO EXPLAIN:	FIELD READING(S):
	SIGNATURE: _____	DATE	TIME		
RELINQUISHED:		DATE	TIME	GROUP # 99120151 12/23/99	
RECEIVED:		DATE	TIME		
RELINQUISHED:		DATE	TIME		
RECEIVED FOR LAB:	<u>Christa Thompson</u>	DATE	TIME		
		12/15/99	10:45		

The Commonwealth of Massachusetts



Department of Environmental Protection

Division of Environmental Analysis
Senator William X. Wall Experiment Station

certifies

M- NH023 Chemsolve
317 Elm Street
Milford, NH 03055

Laboratory Director: Jay W. Crystal

for the Analysis of Potable Water (Chemistry and Microbiology)
and Non-Potable Water (Chemistry)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Director, Division of Environmental Analysis

Issued: 07/01/99

Expires: 06/30/00

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List

EFFECTIVE DATE: 07/01/99

EXPIRATION DATE: 06/30/00

M-NH023 Chemsolve
Milford, NH

POTABLE WATER

- * 101 Antimony
- 102 Arsenic
- 103 Barium
- 104 Beryllium
- 105 Cadmium
- 106 Chromium
- 107 Copper
- 108 Lead
- 109 Mercury
- 110 Nickel
- 111 Selenium
- 113 Thallium
- 114 Nitrate-N
- 115 Nitrite-N
- 116 Fluoride
- 117 Sodium
- 118 Sulfate
- 119 Cyanide
- 120 Turbidity
- * 121 Residual Free Chlorine
- 122 Calcium
- 123 Total Alkalinity
- 124 Total Dissolved Solids
- 128 2, 4-D
- 130 Dalapon
- 132 Pentachlorophenol
- 133 Picloram
- 134 Alachlor
- 135 Atrazine
- 136 Chlordane
- 137 Endrin
- 138 Heptachlor
- 139 Heptachlor Epoxide
- 140 Hexachlorobenzene
- 141 Hexachlorocyclopentadiene
- 142 Lindane
- 143 Methoxychlor
- 144 Simazine
- 145 Toxaphene
- 151 Polynuclear Aromatic Hydrocarbons
- 152 Adipates/Phthalates

* Provisional Certification

Page 1 OF 2

POTABLE WATER

- 153 Trihalomethanes
- 154 Volatile Organic Compounds
- 155 1,2-Dibromoethane
- 156 1,2-Dibromo-3-chloropropane

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List

EFFECTIVE DATE: 07/01/99

EXPIRATION DATE: 06/30/00

1-NH023 Chemsolve
Milford, NH

NON-POTABLE WATER

201 Aluminum
202 Antimony
203 Arsenic
204 Beryllium
205 Cadmium
206 Chromium
207 Cobalt
208 Copper
209 Iron
210 Lead
211 Manganese
212 Mercury
213 Molybdenum
214 Nickel
215 Selenium
216 Silver
218 Thallium
221 Zinc
222 pH
223 Specific Conductivity
224 Total Dissolved Solids
225 Total Hardness (CaCO3)
226 Calcium
227 Magnesium
228 Sodium
229 Potassium
230 Total Alkalinity
231 Chloride
232 Fluoride
233 Sulfate
234 Ammonia-N
235 Nitrate-N
236 Kjeldahl-N
237 Orthophosphate
238 Total Phosphorus
239 Chemical Oxygen Demand
240 Biochemical Oxygen Demand
242 Total Cyanide
243 Non-Filterable Residue
244 Total Residual Chlorine
245 Oil and Grease

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List

EFFECTIVE DATE: 07/01/99

EXPIRATION DATE: 06/30/00

M-NH023 Chemsolve
Milford, NH

NON-POTABLE WATER

246 Total Phenolics
247 Volatile Halocarbons
248 Volatile Aromatics
249 Chlordane
250 Aldrin
251 Dieldrin
252 DDD
253 DDE
254 DDT
255 Heptachlor
256 Heptachlor Epoxide
257 Polychlorinated Biphenyls (water)
258 Polychlorinated Biphenyls (oil)

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List

EFFECTIVE DATE: 07/01/99

EXPIRATION DATE: 06/30/00

M-NH023 Chemsolve
Milford, NH

MICROBIOLOGY

Total Coliform (Enzyme Substrate- SM9223)
E. coli (Enzyme Substrate- SM9223)
HPC (SM9215B)*

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
Project: 2402 Bell Atlantic Dummerston, VT
Lab Order: 9912094
Date Received: 12/10/99

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
9912094-01A	B-2 0.5-2.5'		12/7/99
9912094-02A	B-3 5-7'		12/7/99
9912094-03A	MW-4		12/8/99
9912094-04A	MW-5		12/8/99
9912094-05A	MW-2		12/8/99
9912094-06A	MW-1		12/8/99
9912094-07A	MW-3		12/8/99
9912094-08A	Water Well		12/8/99

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT:	ENPRO Services, Inc.	Client Sample ID:	B-2 0.5-2.5'
Lab Order:	9912094	Tag Number:	
Project:	2402 Bell Atlantic Dummerston, VT	Collection Date:	12/7/99
Lab ID:	9912094-01A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
o-Xylene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
Styrene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
Bromoform	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
Isopropylbenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,1,2,2-Tetrachloroethane	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,2,3-Trichloropropane	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
Bromobenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
n-Propylbenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
2-Chlorotoluene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
4-Chlorotoluene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,3,5-Trimethylbenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
tert-Butylbenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,2,4-Trimethylbenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
sec-Butylbenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
4-Isopropyltoluene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,3-Dichlorobenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,4-Dichlorobenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
n-Butylbenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,2-Dichlorobenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,2-Dibromo-3-chloropropane	ND	55		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,2,4-Trichlorobenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
Hexachlorobutadiene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
Naphthalene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
1,2,3-Trichlorobenzene	ND	27		µg/Kg-dry	1	12/15/99 9:08:00 PM
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	10.9		0	wt%	1	12/15/99

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
 Lab Order: 9912094
 Project: 2402 Bell Atlantic Dummerston, VT
 Lab ID: 9912094-02A

Client Sample ID: B-3 5-7'
 Tag Number:
 Collection Date: 12/7/99
 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: SK
Dichlorodifluoromethane	ND	48		µg/Kg-dry	1	12/15/99 9:44:00 PM
Chloromethane	ND	48		µg/Kg-dry	1	12/15/99 9:44:00 PM
Vinyl chloride	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Chloroethane	ND	48		µg/Kg-dry	1	12/15/99 9:44:00 PM
Bromomethane	ND	48		µg/Kg-dry	1	12/15/99 9:44:00 PM
Trichlorofluoromethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Acetone	ND	240		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,1-Dichloroethene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Carbon disulfide	ND	48		µg/Kg-dry	1	12/15/99 9:44:00 PM
Methylene chloride	ND	48		µg/Kg-dry	1	12/15/99 9:44:00 PM
Methyl tert-butyl ether	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
trans-1,2-Dichloroethene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,1-Dichloroethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
2-Butanone	ND	240		µg/Kg-dry	1	12/15/99 9:44:00 PM
2,2-Dichloropropane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
cis-1,2-Dichloroethene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Chloroform	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Bromochloromethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,1,1-Trichloroethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,1-Dichloropropene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Carbon tetrachloride	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2-Dichloroethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Benzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Trichloroethene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2-Dichloropropane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Bromodichloromethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Dibromomethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
4-Methyl-2-pentanone	ND	240		µg/Kg-dry	1	12/15/99 9:44:00 PM
cis-1,3-Dichloropropene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Toluene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
trans-1,3-Dichloropropene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,1,2-Trichloroethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2-Dibromoethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
2-Hexanone	ND	240		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,3-Dichloropropane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Tetrachloroethene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Dibromochloromethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Chlorobenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,1,1,2-Tetrachloroethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Ethylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT:	ENPRO Services, Inc.	Client Sample ID:	B-3 5-7'
Lab Order:	9912094	Tag Number:	
Project:	2402 Bell Atlantic Dummerston, VT	Collection Date:	12/7/99
Lab ID:	9912094-02A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
o-Xylene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Styrene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Bromofom	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Isopropylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,1,2,2-Tetrachloroethane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2,3-Trichloropropane	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Bromobenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
n-Propylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
2-Chlorotoluene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
4-Chlorotoluene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,3,5-Trimethylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
tert-Butylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2,4-Trimethylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
sec-Butylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
4-Isopropyltoluene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,3-Dichlorobenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,4-Dichlorobenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
n-Butylbenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2-Dichlorobenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2-Dibromo-3-chloropropane	ND	48		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2,4-Trichlorobenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Hexachlorobutadiene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
Naphthalene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
1,2,3-Trichlorobenzene	ND	24		µg/Kg-dry	1	12/15/99 9:44:00 PM
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	5.3		0	wt%	1	12/15/99

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
 Lab Order: 9912094
 Project: 2402 Bell Atlantic Dummerston, VT
 Lab ID: 9912094-04A

Client Sample ID: MW-5
 Tag Number:
 Collection Date: 12/8/99
 Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		SW8260B			Analyst: JSL	
Dichlorodifluoromethane	ND	5.0		µg/L	1	12/17/99 7:55:00 PM
Chloromethane	ND	5.0		µg/L	1	12/17/99 7:55:00 PM
Vinyl chloride	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Chloroethane	ND	5.0		µg/L	1	12/17/99 7:55:00 PM
Bromomethane	ND	5.0		µg/L	1	12/17/99 7:55:00 PM
Trichlorofluoromethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Acetone	ND	10		µg/L	1	12/17/99 7:55:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/17/99 7:55:00 PM
Carbon disulfide	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/17/99 7:55:00 PM
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
trans-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
1,1-Dichloroethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
2-Butanone	ND	10		µg/L	1	12/17/99 7:55:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
cis-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Chloroform	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Bromochloromethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
1,1-Dichloropropene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Carbon tetrachloride	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
1,2-Dichloroethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Benzene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Trichloroethene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
1,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Bromodichloromethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Dibromomethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/17/99 7:55:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 7:55:00 PM
Toluene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 7:55:00 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
1,2-Dibromoethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
2-Hexanone	ND	10		µg/L	1	12/17/99 7:55:00 PM
1,3-Dichloropropane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Tetrachloroethene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Dibromochloromethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Chlorobenzene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	1	12/17/99 7:55:00 PM
Ethylbenzene	ND	2.0		µg/L	1	12/17/99 7:55:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
 Lab Order: 9912094
 Project: 2402 Bell Atlantic Dummerston, VT
 Lab ID: 9912094-05A

Client Sample ID: MW-2
 Tag Number:
 Collection Date: 12/8/99
 Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		SW8260B				Analyst: JSL
Dichlorodifluoromethane	ND	5.0		µg/L	1	12/17/99 8:31:00 PM
Chloromethane	ND	5.0		µg/L	1	12/17/99 8:31:00 PM
Vinyl chloride	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Chloroethane	ND	5.0		µg/L	1	12/17/99 8:31:00 PM
Bromomethane	ND	5.0		µg/L	1	12/17/99 8:31:00 PM
Trichlorofluoromethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Acetone	ND	10		µg/L	1	12/17/99 8:31:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/17/99 8:31:00 PM
Carbon disulfide	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/17/99 8:31:00 PM
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
trans-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,1-Dichloroethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
2-Butanone	ND	10		µg/L	1	12/17/99 8:31:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
cis-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Chloroform	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Bromochloromethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,1-Dichloropropene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Carbon tetrachloride	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2-Dichloroethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Benzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Trichloroethene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Bromodichloromethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Dibromomethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/17/99 8:31:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 8:31:00 PM
Toluene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 8:31:00 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2-Dibromoethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
2-Hexanone	ND	10		µg/L	1	12/17/99 8:31:00 PM
1,3-Dichloropropane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Tetrachloroethene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Dibromochloromethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Chlorobenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Ethylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
 Lab Order: 9912094
 Project: 2402 Bell Atlantic Dummerston, VT
 Lab ID: 9912094-05A

Client Sample ID: MW-2
 Tag Number:
 Collection Date: 12/8/99
 Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
o-Xylene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Styrene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Bromoform	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Isopropylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Bromobenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
n-Propylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
2-Chlorotoluene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
4-Chlorotoluene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
tert-Butylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
sec-Butylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
n-Butylbenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	12/17/99 8:31:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
Naphthalene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	1	12/17/99 8:31:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
 Lab Order: 9912094
 Project: 2402 Bell Atlantic Dummerston, VT
 Lab ID: 9912094-06A

Client Sample ID: MW-1
 Tag Number:
 Collection Date: 12/8/99
 Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed	
VOLATILES BY GC/MS		SW8260B				Analyst: JSL	
Dichlorodifluoromethane	ND	5.0		µg/L	1	12/17/99 9:06:00 PM	
Chloromethane	ND	5.0		µg/L	1	12/17/99 9:06:00 PM	
Vinyl chloride	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Chloroethane	ND	5.0		µg/L	1	12/17/99 9:06:00 PM	
Bromomethane	ND	5.0		µg/L	1	12/17/99 9:06:00 PM	
Trichlorofluoromethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Acetone	ND	10		µg/L	1	12/17/99 9:06:00 PM	
1,1-Dichloroethene	ND	1.0		µg/L	1	12/17/99 9:06:00 PM	
Carbon disulfide	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Methylene chloride	ND	5.0		µg/L	1	12/17/99 9:06:00 PM	
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
trans-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
1,1-Dichloroethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
2-Butanone	ND	10		µg/L	1	12/17/99 9:06:00 PM	
2,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
cis-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Chloroform	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Bromochloromethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
1,1,1-Trichloroethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
1,1-Dichloropropene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Carbon tetrachloride	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
1,2-Dichloroethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Benzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Trichloroethene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
1,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Bromodichloromethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Dibromomethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
4-Methyl-2-pentanone	ND	10		µg/L	1	12/17/99 9:06:00 PM	
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 9:06:00 PM	
Toluene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 9:06:00 PM	
1,1,2-Trichloroethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
1,2-Dibromoethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
2-Hexanone	ND	10		µg/L	1	12/17/99 9:06:00 PM	
1,3-Dichloropropane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Tetrachloroethene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Dibromochloromethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Chlorobenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	
Ethylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
 Lab Order: 9912094
 Project: 2402 Bell Atlantic Dummerston, VT
 Lab ID: 9912094-06A

Client Sample ID: MW-1
 Tag Number:
 Collection Date: 12/8/99
 Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
o-Xylene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
Styrene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
Bromoform	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
Isopropylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
Bromobenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
n-Propylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
2-Chlorotoluene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
4-Chlorotoluene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
tert-Butylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
sec-Butylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
n-Butylbenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	12/17/99 9:06:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
Naphthalene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
 Lab Order: 9912094
 Project: 2402 Bell Atlantic Dummerston, VT
 Lab ID: 9912094-07A

Client Sample ID: MW-3
 Tag Number:
 Collection Date: 12/8/99
 Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		SW8260B			Analyst: JSL	
Dichlorodifluoromethane	ND	5.0		µg/L	1	12/17/99 9:41:00 PM
Chloromethane	ND	5.0		µg/L	1	12/17/99 9:41:00 PM
Vinyl chloride	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Chloroethane	ND	5.0		µg/L	1	12/17/99 9:41:00 PM
Bromomethane	ND	5.0		µg/L	1	12/17/99 9:41:00 PM
Trichlorofluoromethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Acetone	ND	10		µg/L	1	12/17/99 9:41:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/17/99 9:41:00 PM
Carbon disulfide	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/17/99 9:41:00 PM
Methyl tert-butyl ether	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
trans-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,1-Dichloroethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
2-Butanone	210	10		µg/L	1	12/17/99 9:41:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
cis-1,2-Dichloroethene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Chloroform	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Bromochloromethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,1-Dichloropropene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Carbon tetrachloride	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2-Dichloroethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Benzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Trichloroethene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2-Dichloropropane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Bromodichloromethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Dibromomethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/17/99 9:41:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 9:41:00 PM
Toluene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/17/99 9:41:00 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2-Dibromoethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
2-Hexanone	ND	10		µg/L	1	12/17/99 9:41:00 PM
1,3-Dichloropropane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Tetrachloroethene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Dibromochloromethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Chlorobenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Ethylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

Date: 28-Dec-99

CLIENT: ENPRO Services, Inc.
Lab Order: 9912094
Project: 2402 Bell Atlantic Dummerston, VT
Lab ID: 9912094-07A

Client Sample ID: MW-3
Tag Number:
Collection Date: 12/8/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
o-Xylene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Styrene	260	2.0		µg/L	1	12/17/99 9:41:00 PM
Bromoform	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Isopropylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Bromobenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
n-Propylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
2-Chlorotoluene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
4-Chlorotoluene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
tert-Butylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
sec-Butylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
n-Butylbenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	12/17/99 9:41:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
Naphthalene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	1	12/17/99 9:41:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
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 E - Value above quantitation range

AMRO Environmental Laboratories Corp.

28-Dec-99

DATES REPORT

Lab Order: 9912094

Client: ENPRO Services, Inc.

Project: 2402 Bell Atlantic Dummerston, V

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912094-01A	B-2 0.5-2.5'	12/7/99	Solid	Percent Moisture			12/15/99
9912094-02A	B-3 5-7'			VOLATILES by GC/MS, Medium-Level	12/7/99	12/7/99	12/15/99
				Percent Moisture			12/15/99
9912094-03A	MW-4	12/8/99	Aqueous	VOLATILES by GC/MS, Medium-Level	12/7/99	12/7/99	12/15/99
9912094-04A	MW-5			VOLATILES by GC/MS	12/17/99	12/17/99	12/17/99
9912094-05A	MW-2			VOLATILES by GC/MS	12/17/99	12/17/99	12/17/99
9912094-06A	MW-1			VOLATILES by GC/MS	12/17/99	12/17/99	12/17/99
9912094-07A	MW-3			VOLATILES by GC/MS	12/17/99	12/17/99	12/17/99

The State of New Hampshire
Department of Environmental Services
CERTIFICATE OF APPROVAL
Wastewater Analysis

Issued to

AMRO Environmental Laboratories

Located at

111 Herrick Street, Merrimack, NH

*Under the provisions of the Regulations in Env-C300
for the following analyses:*

FULL CERTIFICATION: Volatile Organics, Pesticides, PCB's in Oil, PCB's in Water, Metals by ICP, Metals by Graphite Furnace, Nitrate-N, TDS, Total Hardness, Calcium, Magnesium, Sodium, Potassium, Total Alkalinity, Chloride, Specific Conductance, Sulfate, Fluoride, Orthophosphate, TKN, Total Phosphorus, COD, 5-Day BOD, pH, Total Cyanide, Non-Filterable Residue, Oil & Grease (Freon), Total Phenolics, Total Residual Chlorine, Ammonia-N, Mercury.

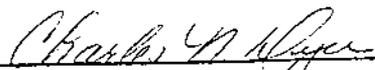
PROVISIONAL CERTIFICATION: None.

REPLACES CERTIFICATE #: 100198-B

CERTIFICATE NUMBER: 100199-B

DATE OF ISSUE: July 20, 1999

EXPIRATION DATE: July 19, 2000



Certifying Officer