SEP 16 1994

New England Telephone
A NYNEX Company

Environmental Affairs

125 High Street
Boston, Massachusetts 02110

September 2, 1994

Mr. Chuck Schwer, Supervisor
Sites Management Section
Vermont Department of Environmental Conservation
103 South Main Street
Waterbury, Vermont 05671-0404

RE: Site Investigation;
29 Gates St, White River Junction, VT CO
VTDEC Site No. 93-1530; RE Code 4761-06

Dear Mr. Schwer:

By letter dated December 30, 1993, you requested that New England Telephone (NYNEX) conduct a site investigation at its above referenced facility.

Enclosed, please find a report entitled "Environmental Site Assessment, White River Junction, Vermont" which is dated July 1994 and was prepared by Wehran Emcon. Based on the results of their studies, Wehran concludes that no additional investigation or remediation is required at the site.

If you should have any questions or require any further information, please feel free to contact me at (617) 743-6824.

Sincerely,

Michael G. LaRow
Project Manager

MGL/cay

Enclosure: As noted

ENVIRONMENTAL SITE ASSESSMENT

WHITE RIVER JUNCTION, VERMONT

Prepared For

NYNEX

Boston, Massachusetts

July 1994

WEHRAN EMCON NORTHEAST

Burlington, Vermont

Environmental Engineers • Scientists • Constructors

Wehran EMCON
Northeast

Wehran Engineering Corporation
1 Mill Street, Box B15
Burlington, VT 05401-1530
Tel: (802) 658-6884
Fax: (802) 658-5014

July 29, 1994

Michael G. LaRow
NYNEX
125 High Street Room 1006
Boston, MA 02110

Re: Environmental Site Assessment
Site #93-1530
NYNEX - White River Junction, Vermont
Wehran Project No. 03589.09

Dear Mr. LaRow:

Enclosed are three copies of our Environmental Site Assessement report for the NYNEX White River Junction facility in White River Junction, Vermont. Please do not hesitate to contact us if you have any questions or if you should require any further assistance with this site.

Wehran is pleased to have been able to provide NYNEX with environmental consulting services, we look forward to working with you in the future.

Sincerely,

WEHRAN ENGINEERING CORPORATION

Eugene J. Martin
Task Manager

Nicholas P. Nowlan, P.E.
Project Manager

EJM/NPN/atd
Enclosure(s)

31.7/94.03589.09

ENVIRONMENTAL SITE ASSESSMENT

WHITE RIVER JUNCTION, VERMONT

Prepared for

NYNEX
125 High Street
Boston, Massachusetts 02110

Prepared by

WEHRAN EMCON NORTHEAST
1 Mill Street
Burlington, Vermont 05401

WE Project No. 03589.09

July 1994

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

1.0 INTRODUCTION

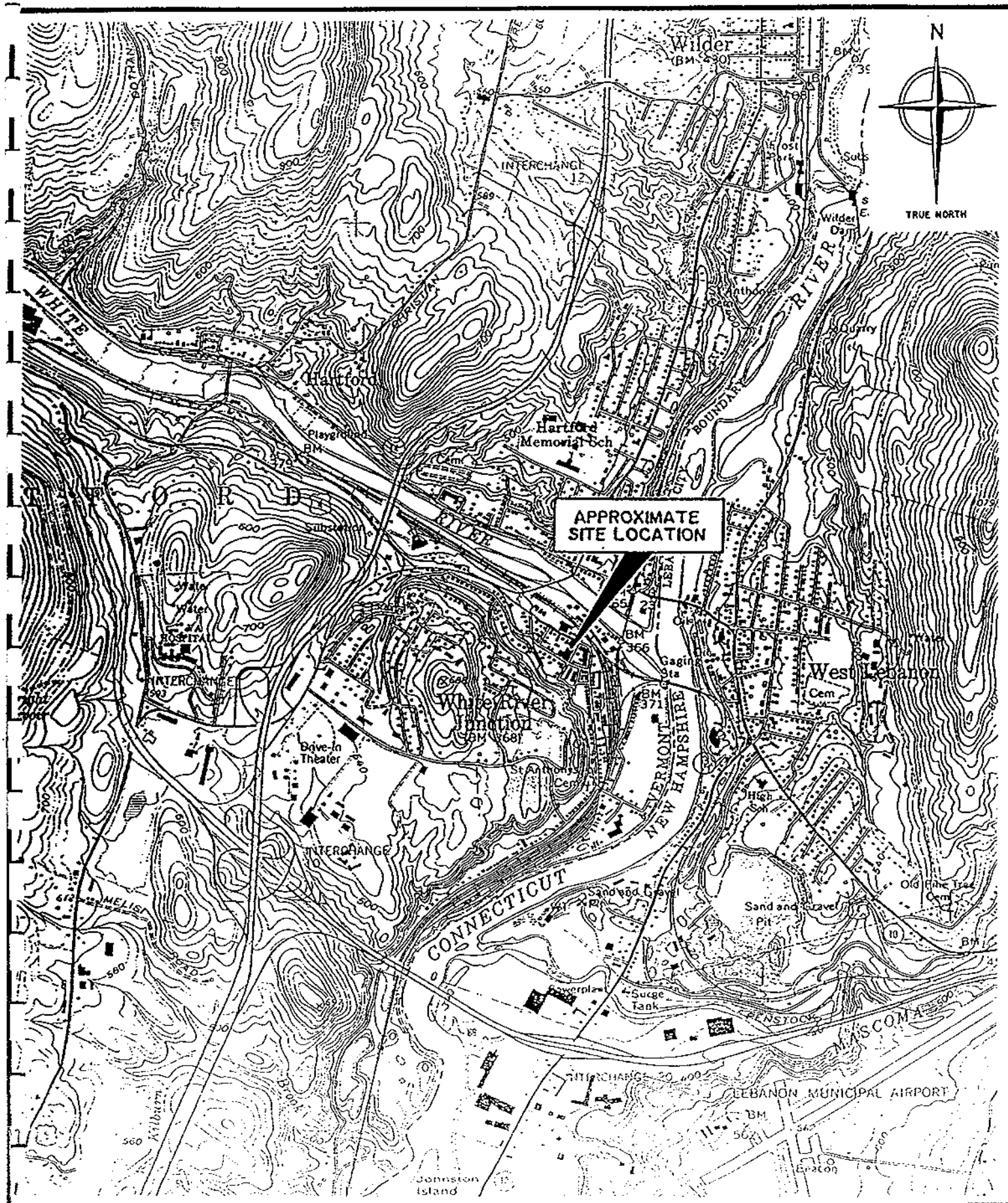
On November 16, 1993, Wehran Engineering Corporation (Wehran) personnel observed the closure of a 20,000 gallon diesel oil underground storage tank (UST) used for operating a backup generator at the NYNEX White River Junction Facility (Figure 1, Site Location). The tank was removed by LaMountain Brothers of Oxford, Massachusetts. The tank location is shown on Figure 2 entitled "Site Plan, Demolition Plan and Soil Boring Locations", which was prepared as part of a previous tank installation project. During the UST removal residual oil as soil headspace gas (48 parts per million [ppm]), was detected with a photoionization detector (PID), in excess of the Vermont Department of Environmental Conservation (VTDEC) Sites Management Section (SMS) soil guideline concentration of 10 ppm as described in the VTDEC publication entitled "Agency Guidelines for Petroleum Contaminated Soil and Carbon Media".

Approximately 160 tons of soil above VTDEC SMS guidelines was excavated, stockpiled and polyencapsulated onsite. The stockpile was sampled and disposed of offsite at the John C. Iofolla Company facility in Portsmouth, New Hampshire. Stockpiled soil analytical results and disposal documentation are included in Appendix A.

As a result of the detected soil contamination, the VTDEC SMS (letter dated December 30, 1993) requested additional investigations that included the following tasks:

1. Determine the degree and extent of contamination to the soil and groundwater, if any.
2. Define the potential for contamination to affect sensitive receptors.
3. Determine the need to develop a long-term treatment and monitoring plan for the site.
4. Submit a report.

Wehran submitted a Work Plan to conduct additional investigation as requested by the VTDEC SMS (letter dated March 23, 1994). The Work Plan was approved by the VTDEC SMS in a letter dated April 5, 1994. Field work was conducted in accordance with the approved work plan.



WehranEnviroTech

SITE LOCATION MAP

SOURCE: USGS HANOVER QUADRANGLE

NYNEX

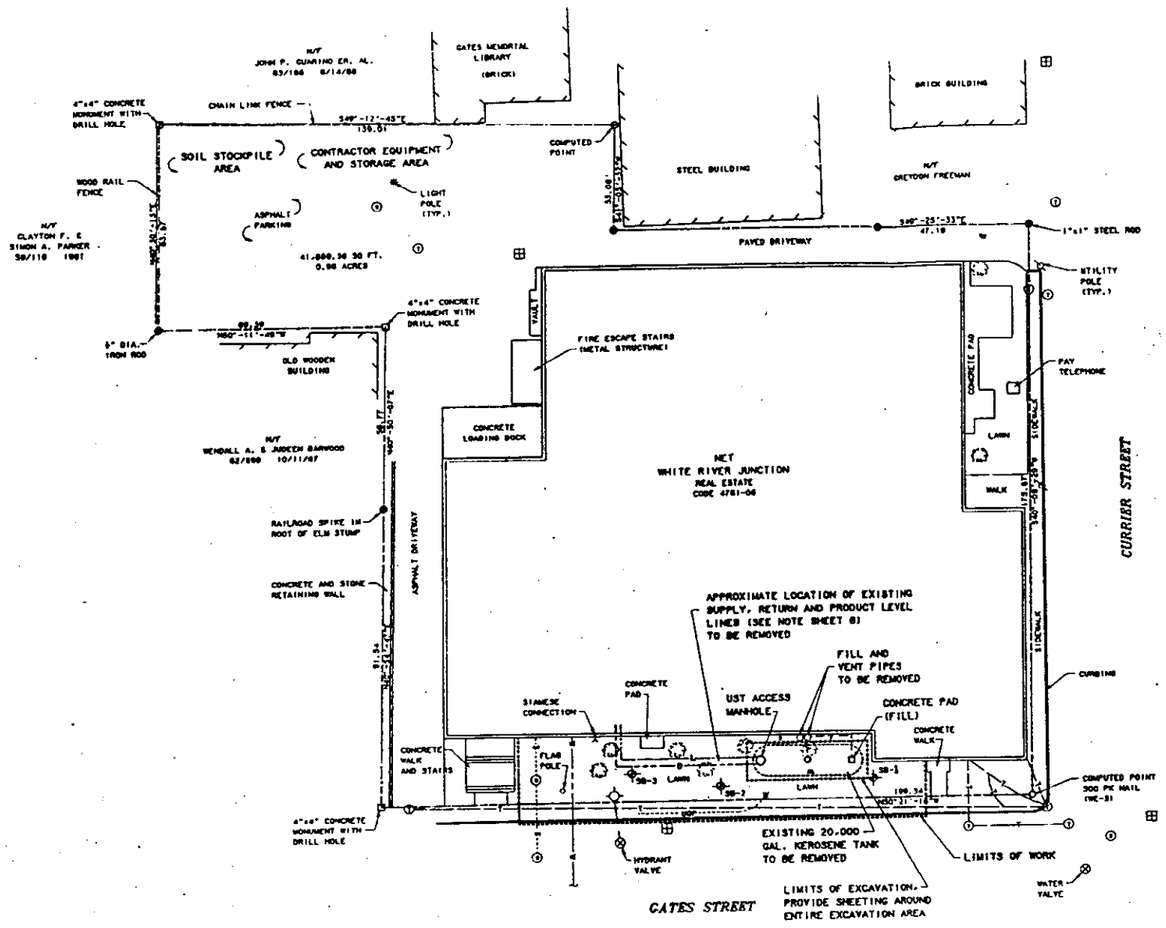
WHITE RIVER JUNCTION VERMONT

FIGURE 1

Scale: 1" = 2000

Date: 7-19-94

Project No: 03589.09



NOTES:

1. THE BOUNDARIES SHOWN HEREON ARE BASED UPON THE FOLLOWING SURVEYS AND DEEDS OF RECORD:

   A. PLAN OF LAND FOR NEW ENGLAND TELEPHONE AND TELEGRAPH CO., DATED 1963 BY LAKES REGION SURVEY SERVICE, INC., WOLFEBORO, NH.

   B. WARRANTY DEED OF CHARLES S. WILSON TO NET & T CO. DATED APRIL 30, 1917, RECORDED BOOK 39, PAGE 185 OF THE HARTFORD LAND RECORDS.

   C. WARRANTY DEED OF GRAYCE M. RAMSEY TO NET & T CO. DATED FEBRUARY 23, 1959 RECORDED IN BOOK 57, PAGE 373 OF THE HARTFORD LAND RECORDS WITH REFERENCE TO A SURVEY BY FRED C. KOERNER, C.E. DATED FEBRUARY 23, 1959.

   D. QUIT CLAIM DEED OF CLAYTON F. PARKER AND SIMONE R. PARKER TO NET & T CO., RECORDED IN BOOK 69, PAGE 10 OF THE HARTFORD LAND RECORDS WITH REFERENCE TO A SURVEY (LAURA J. WHITE PARCEL) BY FRED KOERNER, C.E. DATED OCTOBER, 1970

   E. WARRANTY DEED OF CHARLES POTTER AND JOYCE POTTER TO NET & T CO., DATED JANUARY 28, 1971 AND RECORDED IN BOOK 83, PAGE 10 OF THE HARTFORD LAND RECORDS WITH REFERENCE TO A SURVEY (POTTER & GOODNOW PARCEL) BY FRED C. KOERNER, C.E. DATED OCTOBER 1970.

   F. WARRANTY DEED OF CLAYTON F. PARKER AND SIMONE R. PARKER TO NET & T CO., DATED MAY 15, 1972, RECORDED BOOK 87, PAGE 220 OF THE HARTFORD LAND RECORDS WITH REFERENCE TO A SURVEY (PARKER PARCEL BY FRED C. KOERNER, C.E. DATED DECEMBER, 1971.

   G. WARRANTY DEED OF MARY M. SHARINO, ET. AL. TO NET & T CO., DATED NOVEMBER 24, 1973 AND RECORDED IN BOOK 71, PAGE 110 OF THE HARTFORD LAND RECORDS WITH REFERENCE TO A SURVEY (SHARINO PARCEL) BY FRED C. KOERNER, C.E. DATED OCTOBER, 1973.

   H. QUIT CLAIM DEED OF ALFRED A. SHARINO TO NET & T CO., DATED NOVEMBER 24, 1973, RECORDED IN BOOK 71 OF THE HARTFORD LAND RECORDS.

2. BEARINGS SHOWN HEREON ARE INTENDED TO RELATE TO DEEDS AND SURVEYS OF RECORD.
3. RIGHTS-OF-WAY AND EASEMENTS, EITHER RECORDED OR NON-RECORDED ARE NOT SHOWN ON THIS SURVEY PLAN.
4. THE PLANIMETRIC FEATURES AS SHOWN BASED UPON FIELD SURVEYS CONDUCTED BY WEHRAN APRIL 20TH, 1993.
5. UNDERGROUND STORAGE TANKS AND UTILITY LINES WERE LOCATED BASED ON THE BEST INFORMATION AVAILABLE. EXACT LOCATION CANNOT BE GUARANTEED. UNDERGROUND TANK AND UTILITY LINE LOCATIONS SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.

LEGEND

- EXISTING BUILDING
- SHRUB / TREE
- CURBING
- PROPERTY BOUNDARY
- FENCE LINE
- UGP — EXISTING UNDERGROUND ELETRIC LINE
- SW — STORM WATER LINE
- EXISTING IRON PIPE
- COMPUTED PROPERTY CORNER
- TELEPHONE MANHOLE
- CATCH BASIN
- EXISTING UNDERGROUND VENT LINE
- EXISTING UNDERGROUND DIESEL SUPPLY AND RETURN LINES
- EXISTING UNDERGROUND LINES TO PRODUCT LEVEL MONITOR
- EXISTING UNDERGROUND FUEL OIL SUPPLY AND RETURN LINES
- SB-2 SOIL BORING

FIGURE 2

NO.	DATE	REVISIONS	CHK BY:	DATE

WehranEnviroTech

DESIGN BY: DATE
DRAWN BY:
CHECKED BY:
SUPV. BY:
APP'VD BY:

Scales: 20 0 20
SCALE IN FEET

PATRICK G. GILLESPIE
VT. P.E. LIC. NO. 5573

GATES STREET
NEW ENGLAND TELEPHONE
WHITE RIVER JUNCTION VERMONT

SITE PLAN, DEMOLITION PLAN AND SOIL BORING LOCATIONS

Sheet of
Project No. 03589.04

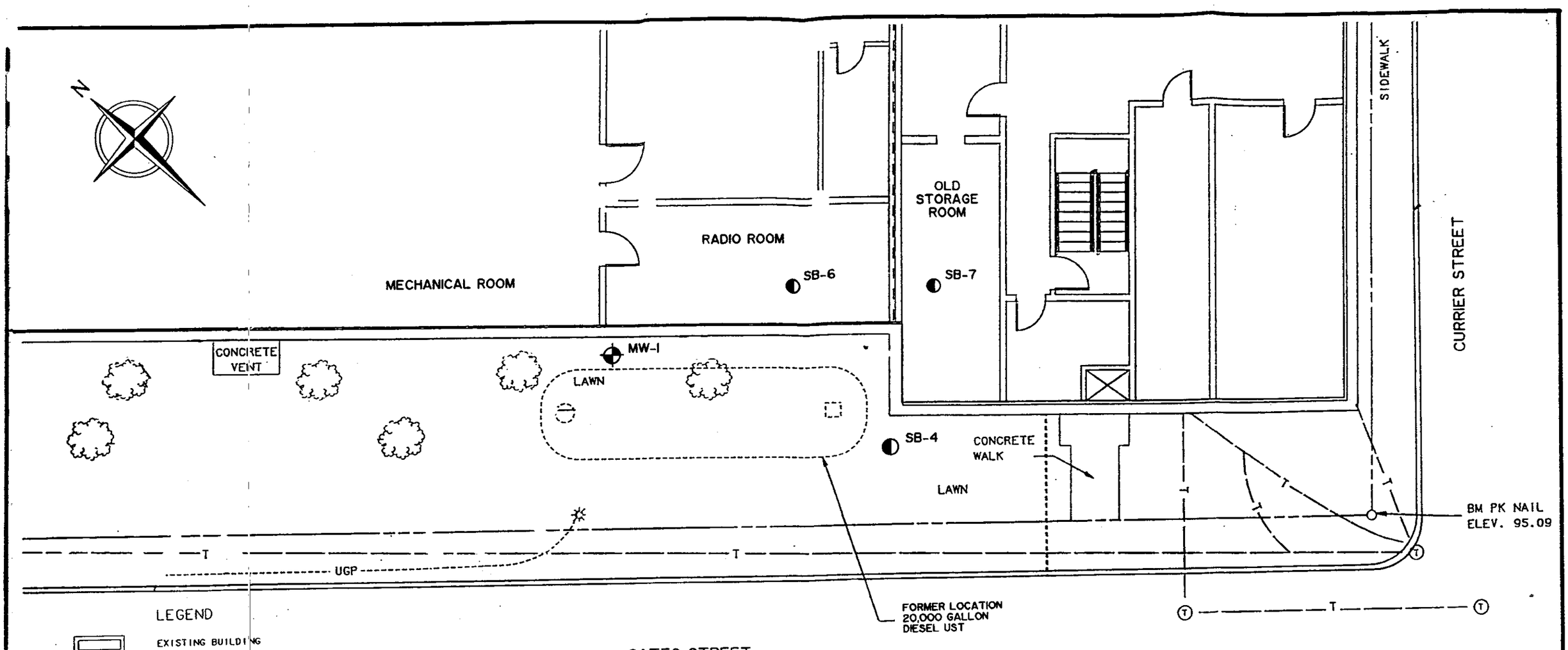
2.0 SOIL BORING/MONITORING WELL INSTALLATION

On April 22, 1994, two soil borings were installed by New Hampshire Boring of Londonderry, New Hampshire, under Wehran supervision. One boring (SB-5) was completed as a monitoring well (MW-1) and was installed to the northeast and downgradient of the former UST location between the building foundation and the abandoned concrete hold down pad. Soil Boring (SB-4) was installed to the southeast of the former UST location and was not completed as a monitoring well. The soil boring and monitoring well locations are shown on Figure 3. Geotechnical soil borings SB-1, SB-2 and SB-3 installed during the previous tank installation project are shown on Figure 2.

The soil borings were advanced with an eight-inch outside diameter (OD) hollow stem auger to depths between 31 and 32 feet below ground surface (bgs). Continuous split-spoon samples were collected with a 2-inch OD, 24-inch long, split spoon sampler in accordance with American Society for Testing and Materials (ASTM) procedures. Geologic descriptions of the soil were recorded in the field in order to prepare detailed geologic logs in accordance with the Burmeister Soil Classification System.

Split-spoon samples were collected continuously during bore hole advancement and field screening tests utilizing the headspace analysis (HSA) method were conducted. The tests were performed using an HNu PID equipped with a 11.7 electron volt lamp. The PID was calibrated at the start of work with 100 parts per million (ppm) isobutylene standard. Soil jar headspace readings are provided on the soil boring logs in Appendix B. Representative soil samples from each split-spoon were collected into glass containers. The split-spoon sampler was decontaminated between uses with a tap water and non-phosphate detergent wash, followed by a tap water rinse, deionized water rinse, methanol rinse and air dry, followed by a final deionized water rinse. Drilling equipment was steam cleaned between borings.

One soil sample was collected from each soil boring for analytical testing. Sample SB-4 was collected from soil boring SB-4 between 9 and 11 feet bgs where the highest HSA reading of 9.7 ppm was observed in the soil. Sample SB-5 was collected from soil boring SB-5 (MW-1) at a depth of 24 to 26 feet bgs, also where the highest HSA reading was observed. The soil samples were transferred from the split-spoon into laboratory supplied clear glass sample bottles, then packed on ice in a shipping cooler and accompanied by a completed chain-of-custody from the time of collection to the time of delivery to the



LEGEND

- EXISTING BUILDING
- SHRUB / TREE
- CURBING
- PROPERTY BOUNDARY
- FENCE LINE
- UGP EXISTING GMP ELETRIC LINE
- SW STORM WATER LINE
- EXISTING IRON PIPE
- COMPUTED PROPERTY CORNER
- TELEPHONE MANHOLE
- CATCH BASIN
- MONITORING WELL
- SOIL BORING/VAPOR PROBE

NOTES

1. BEARINGS SHOWN HEREON ARE INTENDED TO RELATE TO DEEDS AND SURVEYS OF RECORD.
2. RIGHTS-OF-WAY AND EASEMENTS, EITHER RECORDED OR NON-RECORDED ARE NOT SHOWN ON THIS SURVEY PLAN.
3. THE PLANIMTERIC FEATURES AS SHOWN BASED UPON FIELD SURVEYS CONDUCTED BY WEHRAN APRIL 20TH, 1993.
4. UNDERGROUND STORAGE TANKS AND UTILITY LINES WERE LOCATED BASED ON THE BEST INFORMATION AVAILABLE, EXACT LOCATION CANNOT BE GUARANTEED. UNDERGROUND TANK AND UTILITY LINE LOCATIONS SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.

MW-1
MW-1 AT MILLER AUTO CO. LOCATED 30' FROM THIS PT.

Wehran EnviroTech

Drawn By: EJM
Checked By: NPN
Date: 7-19-94

Scale: 1" = 10'

SOIL BORING, MONITORING WELL AND AIR MONITORING LOCATIONS

NYNEX
WHITE RIVER JUNCTION VERMONT

Figure: 3
Project No. 03589.09

laboratory. The analytical testing was performed by Alpha Analytical Laboratories, Inc., of Westborough, Massachusetts. Soil samples were submitted for total petroleum hydrocarbon (TPH) analysis by Environmental Protection Agency (EPA) Method 418.1 and aromatic volatile organics analysis by EPA Method 8020.

A monitoring well was installed in soil boring SB-5 to collect a groundwater sample and measure groundwater depth. The monitoring well consisted of a 2-inch inside diameter (ID), Schedule 40 threaded, flush joint, polyvinyl chloride (PVC) riser pipe with a 10-foot length of machine slotted (10-slot) PVC well screen. The well screen was positioned to intersect the water table surface. A clean filter sand was installed in the annular space from the bottom of the boring to approximately 2 feet above the well screen. A bentonite chip seal, approximately 2 feet thick was placed above the well screen. The monitoring well was completed with a locking PVC compression fit plug and a flush-mounted road box protective casing cemented in place. A monitoring well construction diagram and soil boring logs are included in Appendix B.

The monitoring well was developed by bailing with disposable bailers to remove drill cuttings, clean the well screen and improve the hydraulic connection between the well and the water bearing strata.

Soil cuttings generated during the installation of the soil borings were placed in a 55 gallon drum which was sealed and labeled. The well development and decontamination water was poured into a separate 55 gallon drum which was also sealed and labeled. The drums were stored onsite until analytical results were available to determine appropriate disposal methods. NYNEX facility personnel were notified of the drum locations which were adjacent to the south side of the building.

3.0 GROUNDWATER SAMPLING

On May 19, 1994, a groundwater sample was collected from the new well installed by Wehran (MW-1). Prior to sampling, the water level and depth of the monitoring well was measured to the nearest 0.01 foot using an electronic water sensing probe. The groundwater level measurement was used to determine the volume of water present in each well and approximate the direction of local groundwater flow. A teflon disposable bailer suspended on nylon twine was then lowered to intersect the groundwater table in the well for the purpose of observing the presence of floating product, if any.

To assure that representative formation water was being sampled, the monitoring well was bailed until the pH, specific conductance and temperature values of the discharge stabilized to within 10 percent variation. A minimum of three well volumes was evacuated from the well.

Groundwater samples were transferred from the teflon bailers into 40-milliliter, laboratory-supplied, sample vials. The vials were filled carefully to minimize dissolved air in the sample and to completely fill the sample vial, leaving no headspace or air bubbles. A field blank was prepared by transferring distilled water through a decontaminated bailer to serve as a field equipment quality control. A trip blank containing distilled water was prepared by Wehran prior to arriving onsite and was retained with the samples during their transfer to the laboratory. The samples were packed, stored on ice in a shipping cooler, and accompanied by a completed chain-of-custody form from the time of collection to laboratory delivery. The analytical testing was conducted by Alpha Analytical Laboratories of Westborough, Massachusetts. Groundwater samples were submitted for TPH/IR 418.1 and VOCs by 8020M

To assist in approximation of groundwater flow direction in the vicinity of the site, Wehran obtained permission from the VTDEC SMS to utilize monitoring wells installed as part of an investigation at the Miller Auto Company (Site #93-15-27), located on Gates Street approximately 100 feet southeast of the NYNEX site. Wehran also obtained permission from the owners of the Miller Auto Company property and Jaworski Geotech, Inc., of Manchester, New Hampshire, who installed the wells.

On May 19, 1994, Wehran measured the depth to groundwater to the nearest 0.01 foot using an electronic water sensing probe in monitoring well MW-1/B-2 on the Miller Auto Company property.

4.0 RECEPTOR SURVEY/AIR MONITORING

To determine the potential for sensitive receptors to be impacted by soil and/or groundwater contamination, Wehran conducted a receptor assessment.

Tom Coutermarsh of the Town of Hartford, Vermont Public Works Department was contacted by Wehran personnel on April 15, 1994. Mr. Coutermarsh confirmed that the NYNEX building is serviced by the White River Junction municipal water supply and that there are no private water supplies in the area.

The nearest surface water in the proximity, and downgradient from the site is the White River, located approximately 850 feet to the northeast.

The receptor which would most likely be affected by the de-gassing of diesel fuel oil from the soil and/or groundwater is the ambient air in the NYNEX basement. The portion of the NYNEX basement closest to the former UST is the Radio Office, Old Storage Room and Mechanical Room.

On April 22, 1994, Wehran, accompanied by NYNEX personnel, conducted air monitoring in the Radio Office, Old Storage room and Mechanical room with a MSA Model 260 oxygen and combustible gas (O_2/LEL) meter and a PID. Wehran also screened vapors beneath the concrete basement floors of the Radio and Old Storage rooms. These rooms are believed to be downgradient of the former UST location.

Wehran installed two temporary vapor probes, one in the Radio room (SB-6) and one in the Old Storage room (SB-7). The probe locations are shown on Figure 3. The probes consisted of a 5/8-inch OD hardened steel pipe, 1/4-inch ID polyethylene tubing and a hardened stainless steel retractable point, equipped with a 3-inch stainless steel screen (see Figure 4).

A concrete drill was used to drill 1/2-inch ID holes in the concrete floor. Initial PID readings were taken within the borehole. The retractable probe was advanced to a depth of approximately 1 to 3 feet below the basement surface. Once the probe had been advanced to the required depth the rods were retracted to expose the probe screen and soil gas vapors were measured with the PID. Upon completion of soil gas measurements, the holes were plugged with concrete.

5.0 SURVEY

As part of the tank removal and installation project at the NYNEX White River Junction facility, Wehran had previously prepared detailed property boundary/site plan drawings which identified the UST locations.

Utilizing the survey control established previously on the site, Wehran conducted a survey on May 19, 1994 to determine the locations and elevations of the soil borings/monitoring well installed at the NYNEX facility and the monitoring well (B-2/MW-1) utilized on the Miller Auto Company property.

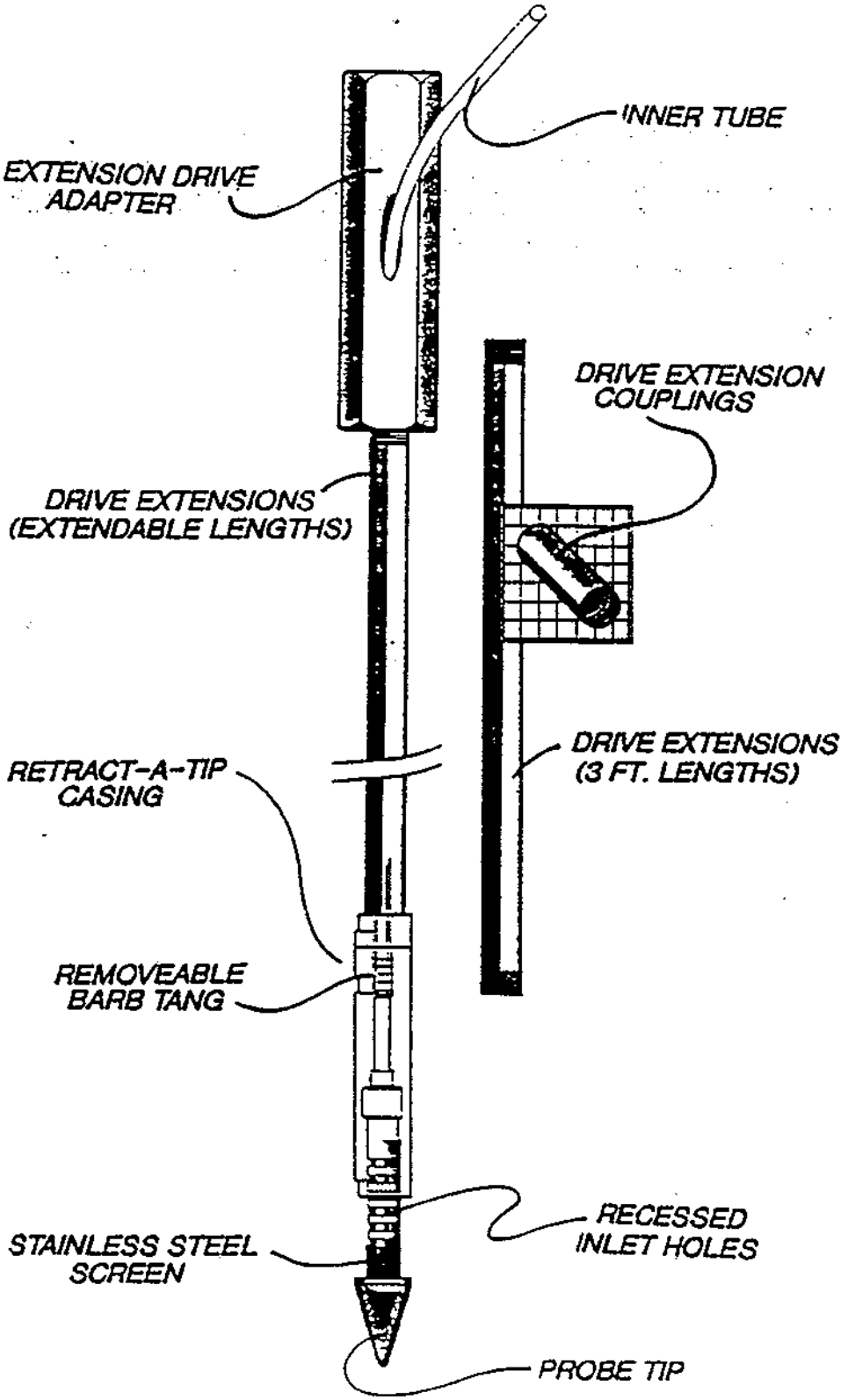


FIGURE 4

RETRACT-A-TIP SCHEMATIC

WehranEnviroTech

6.0 RESULTS

In general, the geology from the ground surface to a depth of 32 feet bgs encountered in the borings consisted of well graded sand with gravel. Detailed soil descriptions are attached in Appendix B. The water table surface was encountered in both borings at approximately 26 feet bgs. The HSA PID readings ranged from none detected to 9.7 ppm (9 to 11 feet) in SB-4 and none detected to 3.4 ppm (24 to 26 feet) in SB-5/MW-1. Soil sample SB-4 analytical results indicated TPH at a concentration of 58 milligrams per kilogram (mg/kg) at a depth of 9 to 11 feet in soil boring SB-4. TPHs were not detected above laboratory minimum detection limits (MDL) in soil sample SB-5 submitted from soil boring/monitoring well SB-5/MW-1. No aromatic volatile organics were detected in either soil sample submitted. Analytical results are included in Appendix C.

The water level measurements taken at MW-1/SB-5 on the NYNEX property and MW-1/B-2 at the Miller Auto Company property, along with previous studies at the Miller property indicate a northeasterly sloping groundwater table. No floating product was observed in monitoring well MW-1 at the NYNEX facility prior to collecting the groundwater sample. The groundwater analytical results indicate that no petroleum hydrocarbons or other VOCs tested for were detected in the NYNEX well located downgradient of the former UST. Also, no VOCs were detected in the trip or field blanks. Complete analytical results and a copy of the chain-of-custody are included in Appendix C.

Air monitoring in the Mechanical, Radio and Old Storage Rooms indicated normal levels of oxygen and combustible vapors. PID readings were non-detect.

PID screening beneath the concrete slab (SB-6) in the Radio Room yielded a direct headspace reading of 57.0 ppm in an approximate 6-inch air space between the bottom of the concrete floor and the soil beneath the floor. Soil gas vapors measured at 4 feet below the concrete floor in the soil were 22.0 ppm. PID screening in the Old Radio Room (SB-7), yielded a direct reading of 84.0 ppm in the air space below the concrete floor and 11.0 ppm at 4 feet below the concrete floor in the soil.

7.0 SUMMARY AND CONCLUSIONS

In summary, two soil borings (SB-4 and SB-5/MW-1), of which one was completed as a monitoring well, were installed at the location of the former 20,000 gallon diesel fuel UST to determine the potential impact of diesel fuel to soil and groundwater.

Field screening of soils during the installation of the borings indicated the presence of low concentrations of VOCs. Analytical results indicate that no VOCs or TPHs were detected in the groundwater sample from the NYNEX downgradient MW-1 above laboratory MDL. Soil sample analytical results indicate low level TPH concentrations (58 mg/kg) in SB-5 at a depth of 24 to 26 feet. No TPHs were detected in SB-4 at a depth of 9 to 11 feet. No VOCs were detected in either soil sample.

PID screening of the airspace and soil beneath the concrete slab in the Radio Room and Old Storage Room yielded HSA readings ranging from 11.0 ppm to 84.0 ppm. Air monitoring of the ambient air in rooms closest to the former UST (Mechanical, Radio and Old Storage Rooms) in the NYNEX facility basement was performed with a PID and oxygen and combustible gas meter. VOCs were not detected and oxygen and combustible gas levels were within normal range. It does not appear the VOCs detected beneath the slab by PID screening are impacting the ambient air in these rooms.

Based upon PID field screening and soil and groundwater analytical results, petroleum contamination does not appear to be present in significant concentrations in the area of the former 20,000 gallon diesel fuel UST. Furthermore, no special disposal requirements are necessary for the contents of the two 55 gallon drums (one containing soil and one containing well development and decon water).

Given the low concentration of TPHs detected in the one soil sample, the present use of the site, and that no impact to sensitive receptors was observed, additional investigation or remediation at the site is not warranted. Wehran recommends that a copy of this report be forwarded to VTDEC SMS as documentation.

APPENDIX A
STOCKPILED SOIL ANALYTICAL RESULTS AND DISPOSAL DOCUMENTATION

Eastern Analytical, Inc. 130 Hall St., Concord, NH 03301 (603) 228-0525

January 6, 1994

Rick Rowsell
R. Rowsell Tank Testing
200 Turnpike Road
Chelmsford, MA 01824

Subject: Laboratory Report

Eastern Analytical, Inc. ID #:	7575 RTT
Client Identification:	NET-White River Jct, VT
Sample Quantity/Type:	2 soil
Date Received:	15 December, 1993

Dear Mr. Rowsell:

Enclosed, please find the laboratory report for the above identified project. All analyses were subjected to rigorous quality control measures to assure data accuracy.

The following standard abbreviations and conventions apply throughout all Eastern Analytical, Inc. reports:

- < = "Less than" followed by the detection limit
- TNR = Testing Not Requested
- ND = None detected, no established detection limits

If you have any questions regarding the results contained within, please feel free to directly contact me, the department supervisor, or the analytical chemist who performed the testing in question.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

William Brunkhorst
Lab Director

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 7575 RTT

Client: R. Rowsell Tank Testing
Client Designation: **NET-White River Jct, VT**

Sample Qty/Type: 2 soil
Date Received: December 15, 1993

Sample ID: / **Matrix:**	1-4 Soil	5-8 Soil	Date of Analysis	Analyst	EPA Method
Physical Properties:					
Ignitability (°F)	> 140	> 140	1/11/94	JDS	1010
Inorganic Non-Metals: (mg/kg unless noted)					
pH (SU)	8.0	8.2	12/27/93	HS	9045
Reactive Cyanide	< 0.2	< 0.2	12/21/93	JDS	7.3.3.2
Reactive Sulfide	< 10	< 10	12/21/93	JDS	7.3.4.2
TCLP Metals: (mgL)					
Arsenic	< 0.5	< 0.5	12/28/93	RW	6010
Barium	0.8	0.8	12/28/93	RW	6010
Cadmium	< 0.05	< 0.05	12/28/93	RW	6010
Chromium	< 0.1	< 0.1	12/28/93	RW	6010
Lead	< 0.5	< 0.5	12/28/93	RW	6010
Mercury	< 0.01	< 0.01	12/29/93	HS	7470
Selenium	< 0.5	< 0.5	12/28/93	RW	6010
Silver	< 0.05	< 0.05	12/28/93	RW	6010

Approved By: Lorraine Olashaw, Inorganics Supervisor Lorraine Olashaw

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 7575 RTT

Client: R. Rowsell Tank Testing
Client Designation: **NET-White River Jct, VT**

Sample Qty/Type: 2 soil
Date Received: December 15, 1993

Hazardous Substance List Volatile Organic Compounds

Sample ID:	1-4	5-8	
Matrix:	Soil	Soil	
Date of Analysis:	12/20/93	12/20/93	
Units:	µg/kg	µg/kg	EPA
Analyst:	LB	LB	Method
Chloromethane	< 100	< 100	8240
Bromomethane	< 100	< 100	8240
Vinyl Chloride	< 100	< 100	8240
Chloroethane	< 100	< 100	8240
Methylene Chloride	< 10	< 10	8240
Carbon Disulfide	< 10	< 10	8240
1,1-Dichloroethene	< 10	< 10	8240
1,1-Dichloroethane	< 10	< 10	8240
Trans-1,2-Dichloroethene	< 10	< 10	8240
Cis-1,2-Dichloroethene	< 10	< 10	8240
Chloroform	< 10	< 10	8240
1,2-Dichloroethane	< 10	< 10	8240
1,1,1-Trichloroethane	< 10	< 10	8240
Carbon Tetrachloride	< 10	< 10	8240
Bromodichloromethane	< 10	< 10	8240
1,2-Dichloropropane	< 10	< 10	8240
Trans-1,3-Dichloropropene	< 10	< 10	8240
Trichloroethene	< 10	< 10	8240
Dibromochloromethane	< 10	< 10	8240
1,1,2-Trichloroethane	< 10	< 10	8240
Cis-1,3-Dichloropropene	< 10	< 10	8240
2-Chloroethylvinylether	< 10	< 10	8240
Bromoform	< 10	< 10	8240
Tetrachloroethene	< 10	< 10	8240
1,1,2,2-Tetrachloroethane	< 10	< 10	8240
Acetone	< 500	< 500	8240
2-Butanone (MEK)	< 100	< 100	8240
Vinyl Acetate	< 100	< 100	8240
4-Methyl-2-Pentanone (MIBK)	< 100	< 100	8240
2-Hexanone	< 100	< 100	8240
Benzene	< 10	< 10	8240
Toluene	< 10	< 10	8240
Ethylbenzene	< 10	< 10	8240
Total Xylenes	< 10	< 10	8240
Chlorobenzene	< 10	< 10	8240
Styrene	< 10	< 10	8240
Volatile Petroleum Hydrocarbons (C4-C7)	< 500	< 500	8015
(C8-C10)	< 500	< 500	8015
(C11-C16)	**5,000**	**1,000**	8015

Approved By: Timothy Schaper, Organics Supervisor Timothy O. Schaper

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 7575 RTT

Client: R. Rowsell Tank Testing
Client Designation: **NET-White River Jct, VT**

Sample Qty/Type: 2 soil
Date Received: December 15, 1993

Acid and Base/Neutral Extractable Organic Compounds

Sample ID:	1-4	5-8
Matrix:	Soil	Soil
Date of Extraction:	12/22/93	12/22/93
Date of Analysis:	12/30/93	12/30/93
Units:	µg/kg	µg/kg
Analyst:	TDS	TDS
Method:	8270	8270
Acid Extractable Compounds		
Phenol	< 300	< 300
2-Chlorophenol	< 300	< 300
2,4-Dichlorophenol	< 300	< 300
2,4,5-Trichlorophenol	< 2,000	< 2,000
2,4,6-Trichlorophenol	< 300	< 300
Pentachlorophenol	< 2,000	< 2,000
2-Nitrophenol	< 300	< 300
4-Nitrophenol	< 2,000	< 2,000
2,4-Dinitrophenol	< 2,000	< 2,000
2-Methylphenol	< 300	< 300
3-Methylphenol/4-Methylphenol	< 700	< 700
2,4-Dimethylphenol	< 300	< 300
4-Chloro-3-methylphenol	< 2,000	< 2,000
4,6-Dinitro-2-methylphenol	< 2,000	< 2,000
Benzoic acid	< 2,000	< 2,000
Base/Neutral Extractable Compounds		
N-Nitrosodimethylamine	< 300	< 300
N-Nitroso-di-N-propylamine	< 300	< 300
N-Nitrosodiphenylamine	< 300	< 300
Bis (2-chloroethyl) ether	< 300	< 300
Bis (2-chloroisopropyl) ether	< 300	< 300
Bis (2-chloroethoxy) methane	< 300	< 300
1,3-Dichlorobenzene	< 300	< 300
1,4-Dichlorobenzene	< 300	< 300
1,2-Dichlorobenzene	< 300	< 300
1,2,4-Trichlorobenzene	< 300	< 300
2-Chloronaphthalene	< 300	< 300
4-Chlorophenyl phenyl ether	< 300	< 300
4-Bromophenyl phenyl ether	< 300	< 300
Hexachloroethane	< 300	< 300
Hexachlorobutadiene	< 300	< 300
Hexachlorocyclopentadiene	< 300	< 300
Hexachlorobenzene	< 300	< 300
4-Chloroaniline	< 2,000	< 2,000
2-Nitroaniline	< 2,000	< 2,000
3-Nitroaniline	< 2,000	< 2,000
4-Nitroaniline	< 2,000	< 2,000

Approved By: Timothy Schaper, Organics Supervisor Timothy D. Schaper

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 7575 RTT

Client: R. Rowsell Tank Testing
Client Designation: **NET-White River Jct, VT**

Sample Qty/Type: 2 soil
Date Received: December 15, 1993

Acid and Base/Neutral Extractable Organic Compounds

Sample ID:	1-4	5-8
Matrix:	Soil	Soil
Date of Extraction:	12/22/93	12/22/93
Date of Analysis:	12/30/93	12/30/93
Units:	µg/kg	µg/kg
Analyst:	TDS	TDS
Method:	8270	8270
Base/Neutral Extractable Compounds (continued)		
Benzyl Alcohol	< 2,000	< 2,000
Nitrobenzene	< 300	< 300
Isophorone	< 300	< 300
2,4-Dinitrotoluene	< 300	< 300
2,6-Dinitrotoluene	< 300	< 300
Benzidine	< 2,000	< 2,000
3,3'-Dichlorobenzidine	< 2,000	< 2,000
Pyridine	< 2,000	< 2,000
Azobenzene	< 300	< 300
Dimethylphthalate	< 300	< 300
Diethylphthalate	< 300	< 300
Di-n-butylphthalate	< 300	< 300
Butylbenzylphthalate	< 300	< 300
Bis(2-ethylhexyl)phthalate	< 300	< 300
Di-n-octylphthalate	< 300	< 300
Naphthalene	< 300	< 300
2-Methylnaphthalene	< 300	< 300
Acenaphthylene	< 300	< 300
Acenaphthene	< 300	< 300
Dibenzofuran	< 300	< 300
Fluorene	< 300	< 300
Phenanthrene	< 300	< 300
Anthracene	< 300	< 300
Fluoranthene	< 300	< 300
Pyrene	< 300	< 300
Benz[a]anthracene	< 300	< 300
Chrysene	< 300	< 300
Benzo[b]fluoranthene	< 300	< 300
Benzo[k]fluoranthene	< 300	< 300
Benz[a]pyrene	< 300	< 300
Indeno[1,2,3-c,d]pyrene	< 300	< 300
Dibenz[a,h]anthracene	< 300	< 300
Benzo[g,h,i]perylene	< 300	< 300

Approved By: Timothy Schaper, Organics Supervisor Timothy D. Schaper

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 7575 RTT

Client: R. Rowsell Tank Testing
Client Designation: **NET-White River Jct, VT**

Sample Qty/Type: 2 soil
Date Received: December 15, 1993

Petroleum Hydrocarbons

Sample ID:		1-4	5-8
Matrix:		Soil	Soil
Date of Extraction:		12/21/93	12/21/93
Date of Analysis:		12/22/93	12/22/93
Units:		mg/kg	mg/kg
Analyst:		BDS	BDS
Method:		EPA 8100	EPA 8100
Identification	**Carbon Range**		
None Identified	N/A	< 50	< 50

Approved By: Timothy Schaper, Organics Supervisor Timothy D. Schaper

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 7575 RTT

Client: R. Rowsell Tank Testing
Client Designation: **NET-White River Jct, VT**

Sample Qty/Type: 2 soil
Date Received: December 15, 1993

Pesticides and PCBs

Sample ID:	1-4	5-8
Matrix:	Soil	Soil
Date of Extraction:	12/21/93	12/21/93
Date of Analysis:	12/27/93	12/22/93
Units:	µg/kg	µg/kg
Analyst:	BDS	BDS
Method:	8080	8080
Endrin	< 20	< 20
gamma-BHC	< 50	< 50
Methoxychlor	< 50	< 50
Toxaphene	< 500	< 500
PCB-1016	< 500	< 500
PCB-1221	< 500	< 500
PCB-1232	< 500	< 500
PCB-1242	< 500	< 500
PCB-1248	< 500	< 500
PCB-1254	< 500	< 500
PCB-1260	< 500	< 500

Approved By: Timothy Schaper, Organics Supervisor Timothy D. Schaper

environmental laboratory inc.

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111

December 29, 1993

Ms. Michelle Barrett
Eastern Analytical, Inc.
130 Hall St.
Concord NH 03301

CLIENT SAMPLE ID

Client Project: NET-White River Jct,VT

Project Number:
Station ID: Front of Pile #1

SAMPLE DATA

Lab #:	32257-1
Matrix:	Soil
Percent Solid:	89
Dilution Factor:	1.1
Collection Date:	12/14/93
Lab Receipt Date:	12/17/93
Extraction Date:	12/20/93
Analysis Date:	12/23/93

ANALYTICAL RESULTS CHLORINATED HERBICIDES

COMPOUND	Detection Limit: µg/kg	Result: µg/kg
Dichloroprop	9	ND
Dalapon	17	ND
2,4-D	9	ND
2,4,5-TP	4	ND
2,4,5-T	4	ND
Dicamba	4	ND
MCPA	660	ND
MCPP	660	ND
2,4-DB	9	ND

Surrogate Standard Recovery

2,4-Dichlorophenylacetic acid 90%

ND=None Detected <=Less than >=Greater than PR=Present but not calibrated for

METHODOLOGY: Water sample analysis was conducted according to "40 CFR Part 136, EPA Method 615," and other matrices were analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8150A."

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

Kenneth W. Teague, President

Health and Human Services Building
6 Hazen Drive, Concord, NH 03301-6509
603-271-2921

FOR STATE USE ONLY

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

Form Approved OMB No. 2050-0039, Expires 9/30/94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: V.T.D.0.0.0.8.4.2.7.9.9 — Manifest Document No.: 0 0 0 0 3 [illegible]

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State Law.

A. State Manifest Document Number: NH G0006275

3. Generator's Name and Mailing Address:
New England Telephone
29 Gates Street, Currier Street
White River Junction, VT 05001

B. State Generator's ID (Location): Same

4. Generator's Phone (802) 295-8395

5. Transporter 1 Company Name: Total Waste Management Corp.

6. US EPA ID Number: N H D 9 8 0 5 2 1 8 4 3

C. State Transporter's ID

D. Transporter's Phone: (603) 431-2420

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID: L31181

F. Transporter's Phone

9. Designated Facility Name and Site Address:
John C. LaFolla Company
650 Peverly Hill Road
Portsmouth, NH 03801

10. US EPA ID Number: None

G. State Facility's ID (Not Required)

H. Facility's Phone: (603) 436-4432

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-R.C.R.A. Waste, None, None, None (VT02)	001	DT	18	Y	EPA None / STATE VT02
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

88300
38680
49680
24.84

J. Additional Descriptions for Materials Listed Above
Petroleum Contaminated Soil
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
a. Interim | Final c. Interim | Final
b. d.

15. Special Handling Instructions and Additional Information
[illegible] #7202 [illegible]
24 Hour Emergency Contact: (603) 431-2420

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Chet Stockwell — Signature: Chet Stockwell — Month 02 Day 01 Year 9[illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Peter Lacasse — Signature: Pete Lacasse — Month Day 2 1 Year 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Richard T Moore — Signature: Richard T Moore — Month 2 Day 1 Year 94

EPA Form 8700-22 (Rev. 9-88) Previous Editions are Obsolete.

IN CASE OF EMERGENCY OR SPILL, CONTACT THE NATIONAL [illegible] RESPONSE CENTER (1-800-424-8802), THE N.H. DEPT. OF SAFETY (1-800-346-4009) AND THE NH WASTE MANAGEMENT DIVISION (271-2942). TO REPORT AN OIL SPILL: NHWSPCD (271-3440).

02/03/1994 15:32 TOTAL WASTE MANAGEMENT 603 431 3806 P.13

0889
Ticket No.

2.1.94
Date

Weighed At ______

Time 10:00

55300	GROSS
[illegible]	TARE
49680	NET

24.84

Material ______

Truck No. ______

Driver: On ☐ Off ☑

Customer Ord. ______

Deliver To Allied
C 000075

Remarks NE Telephone

Driver [illegible] Weigher [illegible]

Received By ______

analytics environmental laboratory inc.

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111

December 29, 1993

Ms. Michelle Barrett
Eastern Analytical, Inc.
130 Hall St.
Concord NH 03301

CLIENT SAMPLE ID

Client Project: NET-White River Jct,VT

Project Number:
Station ID: Rear of Pile #5

SAMPLE DATA

Lab #:	32257-2
Matrix:	Soil
Percent Solid:	87
Dilution Factor:	1.1
Collection Date:	12/14/93
Lab Receipt Date:	12/17/93
Extraction Date:	12/20/93
Analysis Date:	12/23/93

ANALYTICAL RESULTS CHLORINATED HERBICIDES

COMPOUND	Detection Limit: µg/kg	Result: µg/kg
Dichloroprop	9	ND
Dalapon	17	ND
2,4-D	9	ND
2,4,5-TP	4	ND
2,4,5-T	4	ND
Dicamba	4	ND
MCPA	660	ND
MCPP	660	ND
2,4-DB	9	ND

Surrogate Standard Recovery

2,4-Dichlorophenylacetic acid 96%

ND=None Detected <=Less than >=Greater than PR=Present but not calibrated for

METHODOLOGY: Water sample analysis was conducted according to "40 CFR Part 136, EPA Method 615," and other matrices were analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8150A."

COMMENTS: **Results are expressed on a dry weight basis.**

Authorized signature _____
Kenneth W. Teague, President

Sample ID	Collection Time	Matrix	VOC 624/8240	VOC 601/8010	VOC 602/8020	VOC 8015	ABN	PCB/Pest	TPH 8100	TPH IR/Grav	RCRA Metals	Fe Mn	Cyanide T/F	TKN	BOD/COD	Oil & Grease	Total Phenols	Coliform T/F	Other Parameters	No. of Cont.	Notes
Front of Pile #1	9:00pm	S																	Herbicides		
Rear of Pile #5	9:00p	S																	Herbicides		

Drinking Water Supply [ ] Y [ ] N

Date of Collection:

Results Needed By:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Teresa Osborn	7/26/94	2:45p			

EAI USE ONLY T: M:

NOTES: fax asap!

Client: Michelle Barrett

Company: Eastern Analytical

Address: 130 Hall St
Concord NH 03301

Phone: 228-0525 Fax: 228-4591

Eastern Analytical, Inc.
130 Hall Street
Concord, NH 03301

Phone: (603) 228-0525
In N.H.: 1-800-287-0525
Fax#: (603) 228-4591

Project No. ______ P.O. No. BTT-7575

Project Name NET- White River Jct VT.

Sampler(s) Rich Rowsell

Sheet ____ of ____

JUL 26 '94 12:30 ROWSELL P.11

Sample ID	Collection Time	Matrix	VOC 8240/8260	VOC 8010/8021	VOC 8020/8020	VOC 8015	ABN	PCB/Pest	TPH 8100	TPH IR/Grav	RCRA Metals	Fe Mn	Cyanide T/F	TKN	BOD/COD	Oil & Grease	Total Phenols	Coliform T/F	Other Parameters	No. of Cont.	Notes
1-4	9:00	Soil																	Full MTS		Front Pile
5-8	9:00	Soil																	Listing		Rear Pile

JUL '26 '94 12:30 ROWSELL P.12

Drinking Water Supply ☐ Y ☐ N

Date of Collection: 12/14/93

Results Needed By:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Rick Rowsell			Teresa Dubois	12/15/93	3:15p
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

EAI USE ONLY T: M:

NOTES: will phone back re: quick turnaround -

Per Rick R - just do normal turnaround 12/16 11:20a

Client: Rick Rowsell

Company: Rowsell Tanner Pump

Address:

Phone: **Fax:**

Eastern Analytical, Inc.
130 Hall Street
Concord, NH 03301

Phone: (603) 228-0525
In N.H.: 1-800-287-0525
Fax#: (603) 228-4591

Project No. **P.O. No.**

Project Name NET - White River Jct, VT

Sampler(s) Rick Rowsell

Sheet ____ **of** ____

Virgin Petroleum Contaminated Soils (VPCS) Receiving Log

Do not Receive Soils Without Approval Log

Customer: New England Telephone

Site: White River Junction Vt

Approval For Recycling:
TWM®
Iafolla

Product Type: 2

Approved Qty: 200 tons
Do not accept more than approved amount.

Month: Feb   Job Nº: 4061.02

Date	Time	Transporter	Truck Nº	Shipper Doc.	Storage Bin Location.	Weight In	Weight Out	Net	Batch Running Total
2/1/94		Alky	1	G0006274	2	102740	38840	63900	31.95
2/1/94		Alky	4	G0006275	2	88300	38620	49680	56.79
2/1/94		Alky	3	G0006276	2	74840	38000	36840	75.21
2/1/94		Alky	10	G0006277	2	82800	38140	44660	97.54
2/1/94		Alky	17	G0006278	2	97440	38660	58780	126.93
2/2/94		Alky	10	G0006271	2	73860	38540	35320	144.59
2/2/94		Alky	17	G0006279	2	67500	37920	29580	159.38

Form: VPCS 3 Receiving Log: Page 1 of 1 for Site.   Complete [X] Incomplete [ ] Month Total: 159.38

WASTE MANAGEMENT DIVISION
Health and Human Services Building
6 Hazen Drive, Concord, NH 03301-6509
603-271-2921

FOR STATE USE ONLY

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

Form Approved OMB No. 2050-0039, Expires 9/30/9

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. V.T.D.0.0.0.8.4.2.7.9.9 — Manifest Document No. 0 0 0 0 6

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State Law

3. Generator's Name and Mailing Address
New England Telephone
29 Gates Street, Currier Street
White River Junction, VT 05001

4. Generator's Phone (802) 295-8395

A. State Manifest Document Number: NH G0006279

B. State Generator's ID (Location): Same

5. Transporter 1 Company Name: Total Waste Management Corp.

6. US EPA ID Number: V H D 9 8 0 5 2 1 8 4 3

C. State Transporter's ID:

D. Transporter's Phone: (603) 431-2420

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID: 518484

F. Transporter's Phone

9. Designated Facility Name and Site Address
John C. Iafolla Company
650 Peverly Hill Road
Portsmouth, NH 03801

10. US EPA ID Number: None

G. State Facility's ID (Not Required)

H. Facility's Phone: (603) 436-4432

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-R.C.R.A. Waste, None, None, None (VT02)	0 0 1	D T	18	Y	EPA None / STATE
b. 67500					EPA / STATE
c. 37920 14.79					EPA / STATE
d. 29580					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Petroleum Contaminated Soil
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
TWM W/O #7202 DAL
24 Hour Emergency Contact: (603) 431-2420

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Curt Stackwell	Curt Stackwell	02	02	9[illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bryan Baker	Bryan Baker	02	02	9[illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Richard J Moore	Richard J Moore	2	2	9[illegible]

EPA Form 8700-22 (Rev. 9-88) Previous Editions are Obsolete.

GENERATOR

TO REPORT A SPILL, CONTACT: NATIONAL EMERGENCY RESPONSE CENTER (1-800-424-8802), THE N.H. DEPT. OF SAFETY (1-800-346-4009) AND THE NH WASTE MANAGEMENT DIVISION (271-2942). TO REPORT AN OIL SPILL: NHWSPCD (271-3440).

0895
Ticket No.

Date: 2 2 94

Weighed At: Tabella

Time:

67500	GROSS	
37920	TARE	
29580	NET	14.79

Material:

Truck No.:

Driver: On [ ] Off [ ]

Customer Ord.:

Deliver To: Alby 17
NH 6000077

Remarks: NE Telephone

Driver: Bryan

Weigher:

Received By:

WASTE MANAGEMENT DIVISION
Health and Human Services Building
6 Hazen Drive, Concord, NH 03301-6509
603-271-2921

FOR STATE USE ONLY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039, Expires 9/30/94

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. V T D 0 0 5 0 8 4 2 7 9 9	Manifest Document No. 0 0 0 0 7	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State Law.

3. Generator's Name and Mailing Address
New England Telephone
29 Gates Street, Currier Street
White River Junction, VT 05001

4. Generator's Phone (802) 295-8395

A. State Generator's ID
NH 6 0 0 0 6 2 7 1

B. State Transporter's ID

C. Transporter's Phone (603) 431-2070

5. Transporter 1 Company Name: Total Waste Management Corp.

6. US EPA ID Number: N H D 9 8 0 5 2 1 8 4 3

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter 2 ID

E. Transporter 2 Phone

9. Designated Facility Name and Site Address
John C. Iafolla Company
650 Peverly Hill Road
Portsmouth, NH 03801

10. US EPA ID Number: N o n e

F. Facility's Phone (603) 436-7842

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-R.C.R.A. Waste, None, None, None	0 0 1	D T	18	Y	EPA None / STATE
b. ~~73860~~ ~~73860~~					EPA / STATE
c. ~~38540~~ ~~38540~~ 17.66					EPA / STATE
d. ~~35320~~ ~~35320~~					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Petroleum Contaminated Soil
b.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.				
b.				

15. Special Handling Instructions and Additional Information
TWM W/O #7202 DAL
24 Hour Emergency Contact: (603) 431-2420

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Chet Stockwell	Chet Stockwell	02	02	94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jerry O. Cooper	Jerry O. Cooper Rtg #10	02	02	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Richard A. Moore	Richard A. Moore	2	2	94

EPA Form 8700-22 (Rev. 9-88) Previous Editions are Obsolete

GENERATOR
TRANSPORTER
FACILITY

COPY 1- DESTINATION STATE MAILED BY FACILITY

0896
Ticket No.

Weighed At Tafella

2 2 94
Date

Time

73560	GROSS
38540	TARE
35320	NET

17.66

Material

Truck No.

Driver: On [ ] Off [✓]

Customer Ord.

Deliver To MA, 1C

NH C000 6271

Remarks New England Telephone

Driver Jerry

Weigher

Received By

WASTE MANAGEMENT DIVISION
Health and Human Services Building
6 Hazen Drive, Concord, NH 03301-6509
603-271-2921

FOR STATE USE ONLY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039, Expires 9/30/94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: V T D 0 0 0 8 4 2 7 9 9 — Manifest Document No.: 0 0 0 0 5
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by State Law.

3. Generator's Name and Mailing Address:
New England Telephone
29 Gates Street, Currier Street
White River Junction, VT 05001

4. Generator's Phone (802) 295-8395

A. State Manifest Document Number: NH G0006278
B. State Generator's ID (Location): Same

5. Transporter 1 Company Name: Total Waste Management Corp.
6. US EPA ID Number: N H D 9 8 0 5 2 1 8 4 3
C. State Transporter's ID
D. Transporter's Phone (603) 431-2420

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID 518484
F. Transporter's Phone

9. Designated Facility Name and Site Address:
John C. Iafolla Company
650 Peverly Hill Road
Portsmouth, NH 03801

10. US EPA ID Number: None
G. State Facility's ID (Not Required)
H. Facility's Phone (603) 436-4432

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-R.C.R.A. Waste, None, None, None (VT02)	001	DT	18	Y	EPA None / STATE VT02
b. 97440 ~~38660~~					EPA / STATE
c. ~~58780~~ 29.39					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Petroleum Contaminated Soil
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. Interim | Final
b.
c. Interim | Final
d.

15. Special Handling Instructions and Additional Information
TWM W/O #7202.DAL
24 Hour Emergency Contact: (603) 431-2420

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Chet Stockwell — Signature: Chet Stockwell — Month Day Year: 02 01 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bryan Dodier — Signature: Bryan Dodier — Month Day Year: 02 01 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Richard J Moore — Signature: Richard J Moore — Month Day Year: 2 1 94

EPA Form 8700-22 (Rev. 9-88) Previous Editions are Obsolete

TO REPORT [illegible] CALL THE NATIONAL RESPONSE CENTER (1-800-424-8802), THE N.H. DEPT. OF SAFETY (1-800-346-4009) AND THE NH WASTE MANAGEMENT DIVISION (271-2942). TO REPORT AN OIL SPILL: NHWSPCD (271-3440).

0890
Ticket No.

Date: 2/1/94

Weighed At: [illegible]

Time: ____

97440	GROSS
38660	TARE
58780	NET

29.39

Material: ____

Truck No. ____

Driver: On [ ] Off [✓]

Customer Ord. ____

Deliver To: [illegible]

Remarks: NE Telephone

Driver: [illegible signature]

Weigher: [illegible]

Received By: ____

Health and Human Services Building
6 Hazen Drive, Concord, NH 03301-6509
603-271-2921

FOR STATE USE ONLY

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

Form Approved OMB No. 2050-0039, Expires 9/30/94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: V T D 0 0 0 8 4 2 7 9 9 — Manifest Document No. 0 0 0 0 1
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by State Law.

3. Generator's Name and Mailing Address:
New England Telephone
29 Gates Street, Currier Street
White River Junction, VT 05001
4. Generator's Phone (802) 295-8395

A. State Manifest Document Number: NH G0006277
B. State Generator's ID (Location): Same

5. Transporter 1 Company Name: Total Waste Management Corp.
6. US EPA ID Number: N H D 9 8 0 5 2 1 8 4 3
C. State Transporter's ID: [illegible]
D. Transporter's Phone (603) 431-2420

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address:
John C. Iafolla Company
650 Peverly Hill Road
Portsmouth, NH 03801
10. US EPA ID Number: None
G. State Facility's ID (Not Required)
H. Facility's Phone (603) 436-4432

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-R.C.R.A. Waste, None, None, None (VT02)	0 0 1	D T	18	Y	EPA None / STATE VT02
b.					EPA / STATE
c. 22800 / 38140 / 22.33					EPA / STATE
d. 446660					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Petroleum Contaminated Soil c.
b. d.

K. Handling Codes for Wastes Listed Above
a. Interim | Final c. Interim | Final
b. d.

15. Special Handling Instructions and Additional Information
TWM W/O #7202 DAL
24 Hour Emergency Contact: (603) 431-2420

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Printed/Typed Name: Chet Stockwell — Signature: Chet Stockwell — Month Day Year: 02 01 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry A Connor — Signature: Jerry A Connor 9/1/10 — Month Day Year: 2 20 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Richard J Moore — Signature: Richard J Moore — Month Day Year: 2 1 94

EPA Form 8700-22 (Rev. 9-88) Previous Editions are Obsolete

TO REPORT A SPILL CONTACT: NATIONAL EMERGENCY RESPONSE CENTER (800-...) ... N.H. ... (603-...) ... TO REPORT AN OIL SPILL: NH WSPCD (271-3440)

0887
Ticket No.

Weighed At Tilella

Date 2 / 94

Time 11 am

79800 GROSS

35140 TARE

44660 NET

22.33

Material

Truck No.

Driver: On [ ] Off [L]

Customer Ord.

Deliver To Nhi 10

N116006077

Remarks NE Telephone

Driver Jerry

Weigher

Received By

FOR STATE USE ONLY

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

Form Approved OMB No. 2050-0039, Expires 9/30/94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: V T D 0 0 0 8 4 2 7 9 9 | Manifest Document No.: 0 0 0 0 2
2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State Law.

3. Generator's Name and Mailing Address
New England Telephone
29 Gates Street, Currier Street
White River Junction, VT 05001

4. Generator's Phone (802) 295-8395

A. State Manifest Document Number: NH G0006276

B. State Generator's ID (Location): Same

5. Transporter 1 Company Name: Total Waste Management Corp.
6. US EPA ID Number: N H D 9 8 0 5 2 1 8 4 3

C. State Transporter's ID: AP 6186

D. Transporter's Phone: (603) 431-2420

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
John C. Iafolla Company
650 Peverly Hill Road
Portsmouth, NH 03801

10. US EPA ID Number: None

G. State Facility's ID (Not Required)

H. Facility's Phone: (603) 436-4432

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-R.C.R.A. Waste, None, None, None (VT02)	001	DT	18	Y	EPA None; STATE VT02
b. 74840 / 38000 / 36840 — 18.42					EPA; STATE
c.					EPA; STATE
d.					EPA; STATE

J. Additional Descriptions for Materials Listed Above
a. Petroleum Contaminated Soil
b.
c.
d.

K. Handling Codes for Wastes Listed Above
	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
TWM W/O #7202 DAL
24 Hour Emergency Contact: (603) 431-2420

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Printed/Typed Name	Signature	Month	Day	Year
Chet Stockwell	Chet Stockwell	02	01	94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BRADFORD JOHNSON	Bradford Johnson	02	01	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Richard J Moore	Richard J. Moore	2	1	94

GENERATOR / TRANSPORTER / FACILITY

TO REPORT A SPILL CONTACT ... EMERGENCY ... TO REPORT AN OIL SPILL: NHWSPCD (271-3440). ALSO THE N.H. WASTE MANAGEMENT DIVISION (271-2942).

0886
Ticket No.

Weighed At *Tc Colle*

01 94
Date

Time *1100*

71840	GROSS
35000	TARE
36840	NET

1842

Material ______

Truck No. ______

Driver: On ☐ Off ☐

Customer Ord. ______

Deliver To *Ally 3*
[illegible]

Remarks *NE Telephone*

Driver *[illegible]*   Weigher *[illegible]*

Received By ______

Health and Human Services Building
6 Hazen Drive, Concord, NH 03301-6509
603-271-2921

FOR STATE USE ONLY

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

Form Approved OMB No. 2050-0039, Expires 9/30/94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: V T D 0 0 0 8 4 2 7 9 9
Manifest Document No.: 0 0 0 0 4
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by State Law.

3. Generator's Name and Mailing Address:
New England Telephone
29 Gates Street, Currier Street
White River Junction, VT 05001
4. Generator's Phone (802) 295-8395

A. State Manifest Document Number: NH G0006274
B. State Generator's ID (Location): Same

5. Transporter 1 Company Name: Total Waste Management Corp.
6. US EPA ID Number: N H D 9 8 0 5 2 1 8 4 3
C. State Transporter's ID
D. Transporter's Phone (603) 431-2420

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID: ME N12918
F. Transporter's Phone

9. Designated Facility Name and Site Address:
John C. Iafolla Company
650 Peverly Hill Road
Portsmouth, NH 03801
10. US EPA ID Number: None
G. State Facility's ID (Not Required)
H. Facility's Phone: (603) 436-4432

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-R.C.R.A. Waste, None, None, None (VT02)	001	DT	18	Y	EPA None / STATE VT02
b. 103740					EPA / STATE
c. 38840 / 63900 31.95					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Petroleum Contaminated Soil
c.
b.
d.

K. Handling Codes for Wastes Listed Above
Interim | Final | Interim | Final
a. c.
b. d.

15. Special Handling Instructions and Additional Information
TWM W/O #7202 DAL
24 Hour Emergency Contact: (603) 431-2420

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Printed/Typed Name: Chet Stockwell | Signature: Chet Stockwell | Month Day Year: 02 01 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: B. ?1 FOTHERGILL A11641 | Signature: Bill Fothergill | Month Day Year: 02 01 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Richard J Moore | Signature: Richard J. Moore | Month Day Year: 2 1 94

EPA Form 8700-22 (Rev. 9-88) Previous Editions are Obsolete

TO REPORT A SPILL CONTACT NATIONAL EMERGENCY RESPONSE CENTER (1-800-424-8802) THE N.H. DEPT. OF SAFETY (1-800-???-0009) THE ... WASTE MANAGEMENT ... ON (...-2942) TO REPORT AN OIL SPILL ... WSPCC (271-3...)

02/03/1994 15:23 TOTAL WASTE MANAGEMENT 603 431 3806 P.15

0888
Ticket No.

Date: 2 1 94

Weighed At: Tr. Ma

Time: 13:00

100740	GROSS
37040	TARE
63700	NET 31.95

Material:

Truck No.:

Driver: On [ ] Off [✓]

Customer Ord.:

Deliver To: Mkt Gbout 77

Remarks: WE Telephone

Driver: Rick #1

Weigher: Mon

Received By:

APPENDIX B
BORING LOGS AND MONITORING WELL CONSTRUCTION

Wehran EnviroTech

LEGEND FOR BORING LOGS

PROJECT: NYNEX

PROJECT NO.: 03589.09

BORING NO.: B-4, B-5/MW-1

GRAPHIC SYMBOL	SOIL/ROCK CODE	DESCRIPTION OF SYMBOLS USED IN LITHLOGIC LOG COLUMN
		SAND
		SILT

SYMBOL or PATTERN	DESCRIPTION OF SYMBOLS USED IN WELL CONSTRUCTION AND SAMPLE SYMBOLS
	Blank Casing (Solid PVC)
	Well Screen (Slotted PVC)
	Filter Sand Pack
	Cement Grout
	Bentonite Seal
	Split Spoon Sample.

Wehran EnviroTech

BORING/WELL NO. B-4

SHEET 1 of 2

PROJECT: *White River Junction Site Investigation* . PROJECT NO: *03589.09*
CLIENT: *NYNEX*
CONTRACTOR: *New Hampshire Boring, Inc.* RIG: *Mobile B-47*

GS ELEV: *94.2ft.*
N-S COORD:
E-W COORD:
WL REF ELEV:
DATE STARTED: *04/22/94*
DATE FINISHED: *04/22/94*
OPERATOR: *B. Dougherty*
GEOLOGIST: *E. Martin*

GROUNDWATER DATA (feet)

DATE	GW DEPTH	GW ELEV	INTAKE

	CASING	SAMPLE	TUBE	CORE
TYPE	*HSA*	*SS*		
DIAM.	*4¼"*	*2" OD*		
WEIGHT		*140 lbs.*		
FALL		*30"*		

WELL CONSTRUCT	DEPTH (feet)	SAMPLE NUMBER	SAMPLE & TYPE	RECOVERY (inches)	N-VALUE	LOG	HNu	FIELD DESCRIPTION (Modified Burmister Methodology)	REMARKS
								-SAND-	
		SS-1		6	4		0	Very loose, medium to dark brown SAND, some coarse Sand, little fine Sand, trace fine Gravel, dry to moist.	
		SS-2		4	4		0	Very loose, medium to dark brown SAND, some coarse Sand, little fine Sand, trace fine Gravel, dry to moist.	
	5	SS-3		7	2		0	Very loose, medium to dark brown SAND, some coarse Sand, little fine Sand, trace fine Gravel, dry to moist.	
		SS-4		5.5	3		0	Very loose, medium brown, medium to coarse SAND, some Silt, trace Clay, moist.	
	10	SS-5		14	7		9.7	Loose, light to medium brown, medium to coarse SAND, little Silt, trace Clay, moist.	
		SS-6		12	10		0	Medium dense, medium to dark brown, coarse to fine SAND, some medium to fine Gravel, little Silt, trace Clay, moist.	
		SS-7		8	23		0	Medium dense, light to medium brown, coarse to fine SAND, some fine to medium Gravel, little Silt, trace Clay, moist.	
	15	SS-8		14	19		0	Medium dense, light to medium brown, coarse to fine SAND, some fine to medium Gravel, little Silt, trace Clay, moist.	
		SS-9		12	22		0	Medium dense, dark to medium brown, coarse SAND, some fine to medium Gravel, little Silt, trace Clay, moist.	
	20	SS-10		13	18		0	Medium dense, dark to medium brown, coarse SAND, some fine to medium Gravel, little Silt, trace Clay, moist.	
		SS-11		12.5	14		0	Light to medium brown SAND and GRAVEL, little Silt, trace Clay, moist.	
								-SILT-	
		SS-12		18	14		0	Medium dense, medium brown SILT, little fine Sand, trace Clay, moist.	
	25	SS-13		13	22		1.2	Dark brown SILT, little fine Sand, trace Clay, trace fine Sand, saturated.	▽
		SS-14		8	67		0.5		

Wehran EnviroTech

BORING/WELL NO. B-4

SHEET 2 of 2

PROJECT: *White River Junction Site Investigation*
CLIENT: *NYNEX*
CONTRACTOR: *New Hampshire Boring, Inc.*

PROJECT NO: *03589.09*
RIG: *Mobile B-47*

GS ELEV: *94.2ft.*
N-S COORD:
E-W COORD:

WELL CONSTRUCT	DEPTH (feet)	SAMPLE NUMBER	SAMPLE & TYPE	RECOVERY (inches)	N-VALUE	LOG	HNu	FIELD DESCRIPTION (Modified Burmister Methodology)	REMARKS
	30	SS-15		6	53		0.2	Dark brown SILT, little fine Sand, trace Clay, trace fine Sand, saturated. Dense, medium to dark brown SILT, little medium Gravel, trace medium to fineSAND, trace Clay, saturated.	
								END OF BORING AT 31 FEET	
	35							NOTES: 1. HSA is headspace analysis measured with a MSA Photon PID in parts per million (ppm).	
	40								
	45								
	50								
	55								
	60								

Wehran EnviroTech

BORING/WELL NO. B-4/MW-1

SHEET 1 of 2

PROJECT: *White River Junction Site Investigation* PROJECT NO: *03589.09*
CLIENT: *NYNEX*
CONTRACTOR: *New Hampshire Boring, Inc.* RIG: *Mobile B-47*

GS ELEV: *94.2ft.*
N-S COORD:
E-W COORD:
WL REF ELEV: *93.78ft.*
DATE STARTED: *04/22/94*
DATE FINISHED: *04/22/94*
OPERATOR: *B. Dougherty*
GEOLOGIST: *E. Martin*

GROUNDWATER DATA (feet)			
DATE	GW DEPTH	GW ELEV	INTAKE
5/19/94	*29.98*	*63.80*	*22-32'*

	CASING	SAMPLE	TUBE	CORE
TYPE	*HSA*	*SS*		
DIAM.	*4¼"*	*2" OD*		
WEIGHT		*140 lbs.*		
FALL		*30"*		

WELL CONSTRUCT	DEPTH (feet)	SAMPLE NUMBER	SAMPLE & TYPE	RECOVERY (inches)	N-VALUE	LOG	HNu	FIELD DESCRIPTION (Modified Burmister Methodology)	REMARKS
								NOTE 1. MW-1 is constructed in the former UST location, imported clean fill was utilized as backfill after the removal of the UST. Soil cuttings observed during advancement of augers consisted of medium brown SAND and GRAVEL.	
	5								
	10							*-SAND-*	
		SS-1		12	8		0	Medium dense, light to medium brown, coarse to fine SAND, some medium to fine Gravel, trace Silt, trace Clay, moist.	
	15	SS-2		19	14		0	Medium dense, light to medium brown, coarse to fine SAND, some medium to fine Gravel, trace Silt, trace Clay, moist.	
		SS-3		14	30		0	Dense, light to medium brown, coarse to fine SAND, some medium Gravel, little Silt, trace Clay, moist.	
		SS-4		18	19		0	Medium dense, medium to dark brown SILT and fine SAND, little fine Gravel, trace Clay, moist.	
	20	SS-5		19	34		0	Medium dense, light to medium brown, coarse to fine SAND, little medium to fine Gravel, trace Silt, trace Clay, moist.	
		SS-6		18	41		1.5	Medium dense, light to medium brown, coarse to fine SAND, little medium to fine Gravel, trace Silt, trace Clay, moist.	
	25	SS-7		18	30		3.4	Medium to dense, medium to dark brown, medium to coarse SAND, some fine to medium Gravel, little Silt, trace Clay, moist to wet.	
		SS-8		14	32		1.4	Medium to dense, medium to dark brown, medium to coarse SAND, some fine to medium Gravel, little Silt, trace Clay, saturated.	

Wehran EnviroTech

BORING/WELL NO. B-4/MW-1

PROJECT: *White River Junction Site Investigation*
CLIENT: *NYNEX*
CONTRACTOR: *New Hampshire Boring, Inc.*

PROJECT NO: *03589.09*
RIG: *Mobile B-47*

GS ELEV: *94.2ft.*
N-S COORD:
E-W COORD:

WELL CONSTRUCT	DEPTH (feet)	SAMPLE NUMBER	SAMPLE & TYPE	RECOVERY (inches)	N-VALUE	LOG	HNu	FIELD DESCRIPTION (Modified Burmister Methodology)	REMARKS
	30	SS-9		8	33		1.8	Dense, dark brown, coarse SAND, some fine to medium Gravel, little Silt, trace Clay, saturated.	▽
		SS-10		10	62		2.1	Very dense, dark brown, coarse SAND, some fine to medium Gravel, little Silt, trace Clay, saturated.	
								END OF BORING AT 32 FEET	
	35								
	40								
	45								
	50								
	55								
	60								

APPENDIX C
SOIL AND GROUNDWATER ANALYTICAL RESULTS

ALPHA
Analytical Laboratories, Inc.

Eight Walkup Drive
Westborough, MA 01581-1019
508-898-9220 FAX 508-898-9193

CHAIN OF CUSTODY RECORD and ANALYSIS REQUEST RECORD

No. 32863
Sheet 1 of 1

Company Name:	Project Number:	Project Name / Location:	Date Received in Lab:	Date Due:
WEHRAN ENVIROTECH	P.O. Number: 03589.09	NYNEX WHITE RIVER JCT., VT.	4/26	5/10 STANDARD

Company Address:	Phone Number:	Project Manager:	Alpha Job Number: (Lab use only)
CHACE MILL 3-20 1 MILL ST. BURLINGTON, VT.	(802) 658-6884 FAX No.:	NICK NOWLAN	9403079

Container Codes: P = Plastic V = Vial C = Cube G = Glass A = Amber Glass B = Bacteria Container O = Other

MATRIX / SOURCE CODES: MW = Monitoring Well, RO = Runoff, O = Outfall, W = Well, LF = Landfill, L = Lake/Pond/Ocean, I = Influent, E = Effluent, DW = Drinking Water, R = River Stream, S = Soil, SG = Sludge, B = Bottom Sediment, X1 = Other, X2 = Other

ALPHA Lab # (Lab Use Only)	Sample I.D.	Containers (number/type)	Matrix / Source	Method Preserve. (number of containers): Unpres.	Ice	Nitric	Sulfuric	HCl	Other	Solubles - F.F.	Sampling Date	Sampling Time	Analysis Requested
3079.1	SB-4	2 / GLASS	S	X	X						4/22	10:30 AM	TPH (IR) / EPA 8020M (TS)
2	SB-5	2/GLASS	S	X	X						4/24	3:00 PM	TPH (IR) / EPA 8020M (TS)

Sampler's Signature	Affiliation	Date	Time
Eugene J. Martin	WEHRAN	4/25/94	11:40 AM

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	Fedex	Johnson	4/26	AM
2				
3				
4				

ADDITIONAL COMMENTS:

SAMPLES TAKEN FROM SPLIT SPOON SAMPLER @ SOIL BORINGS

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

CERTIFICATE OF ANALYSIS

Client: Wehran Engineering
Address: 3-20 Chace Mill 1 Mill Road
Burlington, VT 05401
Attn: Nick Nowlan
Project Number: 03589-09
Site: Nynex

Laboratory Job Number: L9403079
Invoice Number: 62484
Date Received: 26-APR-94
Date Reported: 10-MAY-94
Delivery Method: Fed ex

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9403079-01	SB-14	White River Junction, VT
L9403079-02	SB-15	White River Junction, VT

Authorized by: James R. Roth

James R. Roth, PhD - Laboratory Manager

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9403079-01 SB-14 **Date Received:** 26-APR-94
Sample Matrix: SOIL **Date Reported:** 10-MAY-94
Condition of Sample: Satisfactory **Field Prep:** None
Number & Type of Containers: 1 Glass,1 Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS
Solids, Total	96.	%	0.10	3	2540B		09-May
Hydrocarbons, Total	58.	mg/kg	40.	1	418.1	03-May	05-May
Aromatic Volatile Organics				1	8020	09-May	10-MAY
Benzene	ND	ug/kg	5.0				
Toluene	ND	ug/kg	5.0				
Ethylbenzene	ND	ug/kg	5.0				
Xylenes	ND	ug/kg	5.0				
1,2-Dichlorobenzene	ND	ug/kg	5.0				
1,3-Dichlorobenzene	ND	ug/kg	5.0				
1,4-Dichlorobenzene	ND	ug/kg	5.0				
Chlorobenzene	ND	ug/kg	5.0				
Methyl tert butyl ether	ND	ug/kg	5.0				

Comments: * Complete list of References found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9403079-02 SB-1 S
Date Received: 26-APR-94
Sample Matrix: SOIL
Date Reported: 10-MAY-94
Condition of Sample: Satisfactory
Field Prep: None
Number & Type of Containers: 1 Glass,1 Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS
Solids, Total	93.	%	0.10	3	2540B		09-May
Hydrocarbons, Total	ND	mg/kg	40.	1	418.1	03-May	05-May
Aromatic Volatile Organics				1	8020	09-May	09-MAY
Benzene	ND	ug/kg	5.0				
Toluene	ND	ug/kg	5.0				
Ethylbenzene	ND	ug/kg	5.0				
Xylenes	ND	ug/kg	5.0				
1,2-Dichlorobenzene	ND	ug/kg	5.0				
1,3-Dichlorobenzene	ND	ug/kg	5.0				
1,4-Dichlorobenzene	ND	ug/kg	5.0				
Chlorobenzene	ND	ug/kg	5.0				
Methyl tert butyl ether	ND	ug/kg	5.0				

Comments: * Complete list of References found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE DUPLICATE ANALYSIS

Laboratory Job Number: L9403079

Parameter	Value 1	Value 2	RPD	Units
Hydrocarbons, Total	DUPLICATE for sample(s) 01-02			
	16000	16000	3	mg/kg

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE SPIKE ANALYSES

Laboratory Job Number: L9403079

Parameter	% Recovery
Hydrocarbons, Total	SPIKE for sample(s) 01-02
	103

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE MS/MSD ANALYSIS

Laboratory Job Number: L9403079

Parameter	MS %	MSD %	RPD
Volatile Organics Spike Recovery by GC MS/MSD for sample(s) 01-02			
1,1-Dichloroethene	116	94	21
Trichloroethene	124	121	2
Chlorobenzene	86	79	8
Benzene	88	87	1
Toluene	85	86	1
Ethylbenzene	76	86	12

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. 1986.

3. Standard Methods for Examination of Water and Waste Water. APHA-AWWA-WPCF. 17th Edition. 1989.

ALPHA
Analytical Laboratories, Inc.

Eight Walkup Drive
Westborough, MA 01581-1019
508-898-9220 FAX 508-898-9193

CHAIN OF CUSTODY RECORD and ANALYSIS REQUEST RECORD

No. 19468
Sheet 1 of 1

Company Name: WEHRAN ENVIROTECH	Project Number: 03589.09 P.O. Number:	Project Name/Location: NYNEX WHITE RIVER JCT, VT.	Date Received in Lab: 5/23	Date Due: 2 WKS. 6/6
Company Address: CHACE MILL 3-20 1 MILL STREET BURLINGTON, VT. 05401	Phone Number: (802) 658-6894 FAX No.: 659-5014	Project Manager: EUGENE MARTIN NICK NOWLAN	Alpha Job Number: (Lab use only) 9403908	

Container Codes: P = Plastic V = Vial C = Cube G = Glass A = Amber Glass B = Bacteria Container O = Other

MATRIX / SOURCE CODES: MW = Monitoring Well; RO = Runoff; O = Outfall; W = Well; LF = Landfill; L = Lake/Pond/Ocean; I = Influent; E = Effluent; DW = Drinking Water; R = River Stream; S = Soil; SG = Sludge; B = Bottom Sediment; X1 = Other; X2 = Other

ALPHA Lab # (Lab Use Only)	Sample I.D.	Containers (number/type)	Matrix/Source	Method Preserve. (number of containers): Unpres.	Ice	Nitric	Sulfuric	HCl	Other	Solubles - F.F.	Sampling: Date	Time	Analysis Requested
3908.1	MW-1	2 AMBER 500 mL	MW					X			5/19	6:00 PM	418.1 TPH (D)
.1	MW-1	2 AMBER 40 ml VOA	MW					X			5/19	6:00 pm	8020 M
.2	TRIPBLANK	1 AMBER 40 ml VOA						X			5/19	6:00 pm	8020 M NC
.3	FIELD BLANK	2 AMBER 40 ml VOA						X			5/19	6:00 pm	8020 M ↓

Sampler's Signature: Eugene J. Martin Affiliation: WEHRAN Date: 5/19/94 Time: 6:00 pm

ADDITIONAL COMMENTS:

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	Eugene J. Martin 5-19-94	C. Pignatello	5/23	10:30
2				
3				
4				

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

CERTIFICATE OF ANALYSIS

Client: Wehran Engineering
Address: 3-20 Chace Mill 1 Mill Road
Burlington, VT 05401
Attn: Eugene Martin
Project Number: 03589.09
Site: Nynex

Laboratory Job Number: L9403908
Invoice Number: 63271
Date Received: 23-MAY-94
Date Reported: 03-JUN-94
Delivery Method: Federal Express

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9403908-01	MW-1	White River Jct., VT
L9403908-02	TRIP BLANK	White River Jct., VT
L9403908-03	FIELD BLANK	White River Jct., VT

Authorized by: James R. Roth

James R. Roth, PhD - Laboratory Manager

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9403908-01
MW-1
Sample Matrix: WATER
Condition of Sample: Satisfactory
Number & Type of Containers: 2 Amber Glass,2 Vial

Date Received: 23-MAY-94
Date Reported: 03-JUN-94
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS
Hydrocarbons, Total	ND	mg/l	1.0	1	418.1	01-Jun	02-Jun
Aromatic Volatile Organics				1	8020		26-MAY
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Xylenes	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Methyl tert butyl ether	ND	ug/l	1.0				

Comments: * Complete list of References found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9403908-02 TRIP BLANK
Sample Matrix: WATER
Condition of Sample: Satisfactory
Number & Type of Containers: 1 Vial

Date Received: 23-MAY-94
Date Reported: 03-JUN-94
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATES PREP	DATES ANALYSIS
Aromatic Volatile Organics				1 8020		26-MAY
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Xylenes	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	1.0			
1,3-Dichlorobenzene	ND	ug/l	1.0			
1,4-Dichlorobenzene	ND	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
Methyl tert butyl ether	ND	ug/l	1.0			

Comments: * Complete list of References found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9403908-03 FIELD BLANK
Sample Matrix: WATER
Condition of Sample: Satisfactory
Number & Type of Containers: 2 Vial

Date Received: 23-MAY-94
Date Reported: 03-JUN-94
Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATES PREP	DATES ANALYSIS
Aromatic Volatile Organics			1	8020		27-MAY
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Xylenes	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	1.0			
1,3-Dichlorobenzene	ND	ug/l	1.0			
1,4-Dichlorobenzene	ND	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
Methyl tert butyl ether	ND	ug/l	1.0			

Comments: * Complete list of References found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE DUPLICATE ANALYSIS

Laboratory Job Number: L9403908

Parameter	Value 1	Value 2	RPD	Units
Hydrocarbons, Total	DUPLICATE for sample(s) 01			
	1.2	1.1	9	mg/l

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE SPIKE ANALYSES

Laboratory Job Number: L9403908

Parameter	% Recovery
Hydrocarbons, Total	SPIKE for sample(s) 01
	99

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE MS/MSD ANALYSIS

Laboratory Job Number: L9403908

Parameter	MS %	MSD %	RPD
Volatile Organics Spike Recovery by GC MS/MSD for sample(s) 01-03			
1,1-Dichloroethene	121	109	10
Trichloroethene	84	72	15
Chlorobenzene	89	77	14
Benzene	92	88	4
Toluene	102	81	23
Ethylbenzene	93	76	20

ALPHA ANALYTICAL LABS
ADDENDUM I
REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. 1986.