

# UST CLOSURE REPORT

**PROPERTY:**

**Repetti's Service Station  
22 South West Street  
Mt. Vernon, New York 10550**

**WCDOH PBS No. 3-172359  
NYSDEC Spill No. 05-01989**

**DATED:**

**August 10, 2005**

**PREPARED FOR:**

**Repetti's Service Station  
22 South West Street  
Mt. Vernon, New York 10550**

**PREPARED BY:**

**PERFORMER COMPLIANCE LLC  
PO Box 610  
Tarrytown, New York 10591**

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### 1.0 INTRODUCTION

Performer Compliance LLC (PCLLC) was contracted by Repetit's Service Station of Mt Vernon, NY to provide documentation in the removal of three (3) underground petroleum storage tanks (USTs) at a gas station located at 22 South West Street in the city of Mt. Vernon, New York. The objectives of this work were to remove the USTs as well as identify and remove associated contamination, if found. The activities conducted at the site were performed in accordance with local, state and federal regulations.

This report summarizes all activities which were performed at the site, relative to tank removal and does not address any additional environmental issues related to the site. Information in this report is based on observations made by personnel on site and data provided by others.

### 2.0 SITE INFORMATION

#### 2.1 Site Description

The site is a commercial property containing a one story masonry structure containing garage bays and office for vehicle repair and gasoline dispensing operations.

#### 2.2 Site Location

The site is located on the west side of South West Street, east of the New York Central railroad tracks in the City of Mt. Vernon, in Westchester County, New York. The street address is 22 South West Street, Mt. Vernon, NY 10550. A general map of the area shows its location in relationship to local and major routes (Figure 1).

### 2.3 Area Land Use

The area in the vicinity of the site consists mainly of a mixture of light industrial and commercial development. The west side of the property borders the New York Central Railroad tracks and Mt. Vernon train station.

### 2.4 Water Supply Information

The area is supplied by a municipal water source, according to the City of Mt. Vernon Building Department.

## 3.0 UST INFORMATION

### 3.1 UST Description

There were three USTs in total. All tanks were of steel single-wall construction over 25 years of age. Two tanks were 550 gallons in capacity (96 inches in length by 48 inches in diameter) and one tank was 1000 gallons in capacity (128 inches in length by 48 inches in diameter). The tanks are listed in the current Westchester County Department of Health Petroleum Bulk Storage (WCDOH PBS) database as Tank ID No's. 5, 6 and 7, respectively. It should be noted that Tank ID No. 6 was originally listed as being 550 gallons in capacity, however upon excavation and removal it was determined to be 1000 gallons in size. The site plan in Figure 2 shows the USTs with their associated Tank ID numbers.

### 3.2 UST Location

All three USTs were located parallel to one another in the driveway area, between the two pump islands, with their long axes aligned in a northeast to southwest direction.

The middle 550 gallon UST was in use and stored waste oil. The two flanking USTs were not in service, having been abandoned at least 20 years ago according to information supplied by the facility owner.

### 3.3 UST Usage

## 4.0 DESCRIPTION OF WORK

### 4.1 Regulatory Notification

Applications to the Westchester County Department of Health, City of Mt. Vernon Building Department (Permit No. A-46099), City of Mt. Vernon Fire Department (Permit No. 6519) and were required in order to proceed with the UST removal operation. These applications were made and all permits were issued prior to start of work. Copies of these permits are attached in Appendices D, E and F, respectively.

Notification was made to DigSafelyNY in order to inform the appropriate utility companies that excavation was planned. A Ticket ID (No. 04215-035-053) was subsequently issued.

### 4.2 Site Operations - Overview

The site operations which were completed included the excavation, removal and disposal of two (2) 550 gallon and one (1) 1000 gallon USTs. Operations also included visual inspection of the USTs, visual screening of the soils, sampling of the soils, analyses of post-excavation soil samples by a New York State Department of Health (NYSDOH) certified laboratory and back-filling of the excavation.

#### 4.3 Site Operations - Detail

Barrier Motor Fuels, Inc. of Tarrytown, NY conducted the removal of the USTs over the course of two days (5-18/05 - 5/19/05). On May 18, 2005, work began with the

excavation and removal of the 550 gallon waste oil UST (PBS Tank ID No. 5). The tank top was exposed at a depth of about two (2) feet. Excavation continued along the sides of the tank to facilitate removal. The tank was removed and placed above ground. The tank was observed to be in good condition with moderate surface corrosion. The total depth of the excavation was approximately seven (7) feet. A small amount of soils encountered at a depth of about six to seven (6-7) feet, below and south of the tank exhibited a slight petroleum odor and some discoloration. These soils were stockpiled separately alongside the pit and later moved to a location alongside the building, covered on all sides with impermeable plastic lining material. No groundwater was observed during the excavation process.

An inspector from WCDOH reviewed the site on May 18, 2005 and prepared a Tank Closure Inspection Report which also reflected the above observations. This report is attached in Appendix A.

Excavation work continued in order to remove the second UST (Tank ID No. 6), which was located to the west of the first tank removed. The tank top was exposed at a depth of about three feet. Backfill materials removed appeared mostly clean with no odor or discoloration except for an area below and to the south and west of the tank. These soils were excavated until clean soils were reached, and were then added to the stockpiled soil. The tank was removed and placed above ground. The tank was observed to be in fair condition with moderate to heavy surface corrosion, pitting and several perforations along the bottom and lower third of the tank sides.

On May 19, 2005, excavation work continued in order to remove the third UST (Tank ID No. 7) which was located to the east of the first (middle) UST. The tank top was

exposed at a depth of about three feet. Backfill materials removed appeared mostly clean with no odor or discoloration, except for an area along the south and east corner of the tank at a depth of about six (6) feet (near the tank bottom). These soils were removed and added to the previously stockpiled soil. The tank was removed and was observed to be in poor condition with heavy surface corrosion, pitting and numerous perforations, mostly along the bottom of the tank.

The tanks were cut, cleaned and transported to a local scrap metal recycling facility. The active waste oil storage tank (Tank ID No. 5) contained a small amount of residual product, while the others were empty. The tank bottom product was removed and placed into two (2) Department of Transportation (DOT) approved fifty-five (55) gallon steel drums on site.

Excavation continued in the area of affected soil as far as practicable, to a depth of about 12 feet in the southeastern corner of the pit. Further excavation was not practical due to the presence of the adjacent active diesel storage tank system to the south and the active gasoline pump island to the east.

The total area of the excavation was approximately 13 ft along the north-south axis, 17 feet along the east-west axis and 8 feet in depth (12 feet deep in the southeastern area). No groundwater was observed within the pit throughout the excavation process. Post-excavation samples were procured and the pit was subsequently back-filled with clean soils.

A WCDCH inspector reviewed the site on May 19, 2005 and prepared a Tank Closure Inspection Report which also reflected the above observations. This report is attached in Appendix G.



The two (2) fifty-five (55) gallon DOT-approved steel drums of tank bottom materials were removed and disposed of on July 15, 2005 by A-1 Environmental Recycling of Wallingford, CT. A waste removal receipt is attached in Appendix C.

A WCDOH PBS Work Summary, listing the work performed at the facility, has been completed and is attached in Appendix H.

## 5.0 SOIL SAMPLING AND ANALYTICAL RESULTS

### 5.1 Sampling Procedure

Sampling of the UST excavation was as follows:

A total of eleven (11) post-excavation samples were taken from the walls and floor of the pit. Sampling locations were based upon WCDOH requirements for the site as well as additionally observed soil conditions.

A composite sample was developed from two (2) grab samples from the north wall (Sample ID No. 4). A composite sample was developed from two (2) grab samples from the west wall (Sample ID No. 3). A composite sample was developed from two (2) grab samples from the east wall (Sample ID No. 9).

Three (3) composite samples, consisting of two (2) grab samples each, were taken from the south wall, one from each tank end area (Sample ID No's. 5, 6 and 8)

Three (3) composite samples were taken from beneath each UST consisting of three (3) grab samples each (Sample ID No's. 1, 2 and 7).

Separate grab samples were taken from the southern portion of the east wall and the adjacent floor area (Sample ID No's. 10, 11) due to the elevated presence of affected soils.

Soil sampling was conducted in accordance with NYS Department of Environmental Conservation (NYSDEC) guidelines. The general protocol was as follows:

Post-excavation soil samples were placed in 8-oz glass jars with teflon-lined lids, then stored in a cooler for preservation. A Chain of Custody Report was generated at that time. The samples were then placed in a refrigerator awaiting collection by laboratory personnel. The samples were subsequently picked up and delivered to York

Laboratories of Stamford, Connecticut (NYSDOH License #10854) for analyses. The soil samples were analyzed for target compounds (8260 and 8270 STARS List) in accordance with NYSDEC Recommended Soil Cleanup Objectives, TAGM guidelines.

Analytical results are attached in Appendix A.

## 5.2 Analytical Results

Post-excavation soil analyses detected VOC target compounds within the southern portions of the walls and floor of the excavation adjacent to and beneath the Trimehylbenzene, Napthalene Toluene, and Xylenes, were detected at levels significantly higher than NYSDEC TAGM maximum guidance values. No VOCs were detected in any other samples.

Post-excavation soil analyses detected some SVOC target compounds within the walls and floor of the excavation, most of which were below NYSDEC TAGM guidance values, with the exception of the compounds Benzo[a]anthracene, Benzo[a]pyrene, Benzo [b] fluoranthene and Benzo [k] fluoranthene and Chrysene, which were present at moderately high levels primarily in the same area in which high VOC concentration

was found, which is within the southern portions of the walls and floor of the excavation adjacent to and beneath the easternmost UST (Tank ID No. 7).

Post-excavation soil analyses detected no target compounds within the northern and southern walls of the excavation, nor the northern portion of the floor beneath Tank ID No. 7 (easternmost tank). These data were obtained from Sample ID No's. 4, 5, 6, 7 and 8. Some SVOCs were found in samples taken from below Tank ID No. 6 (Sample ID No. 2), however these levels were below NYSDEC TAGM maximum guideline values.

QUICK-VIEW ANALYSES OF POST-EXCAVATION SOIL SAMPLES - VOCs

TABLE 1:

ANALYTICAL RESULTS (ppb)	TAGM LIMITS (ppb)		COMPOUND
	ID #10 Wall-East-South	Floor Tank ID #7-South	
92000	19000	10,000	1,2,4 Trimethylbenzene
32000	6500	3300	1,3,5, Trimethylbenzene
550	ND	60	Benzene
2200	600	5500	Ethylbenzene
880	290	2300	Isopropylbenzene
23000	ND	13,000	Napthalene
1500	2300	10,000	n-Butylbenzene
2300	1100	3700	n-Propylbenzene
9200	1200	600	o-Xylene
42000	4900	800	p- & m-Xylenes *
1300	920	10,000	p-Isopropyltoluene
940	310	10,000	sec-Butylbenzene
ND	ND	10,000	tert-Butylbenzene
7200	ND	1500	Toluene
51200	6100	1200	Total Xylenes

\* Mixed Xylenes limit applies.

NOTE: All other compounds tested were non-detectable for VOCs.

TABLE 2:

QUICK-VIEW ANALYSES OF POST-EXCAVATION SOIL SAMPLES - SVOCs

COMPOUND	TAGM LIMITS (ppb)	ANALYTICAL RESULTS (ppb)								
		ID #1 Floor Tank ID #5	ID #2 Floor Tank ID #6	ID #3 Wall-West	ID #9 Wall-East- North	ID #10 Wall-East- South	ID #11 Floor Tank ID #7-South			
Acenaphthene	50,000	120	ND	ND	ND	ND	ND	ND	ND	
Anthracene	50,000	330	ND	70	140	590	ND	ND	ND	
Benzoflanthracene	224	950	89	420	640	2000	460	ND	ND	
Benzoflapyrene	61	430	ND	170	270	370	1200	330	330	
Benzo [b] fluoranthene	60	420	ND	99	140	330	270	330	330	
Benzo [k] fluoranthene	61	380	ND	210	390	610	270	270	270	
Chrysene	400	700	85	290	530	610	370	370	370	
Flouranthene	50,000	1500	140	600	2300	1300	1300	1300	1300	
Fluorene	50,000	ND	ND	ND	ND	2900	1300	1300	1300	
Naphthalene	13,000	ND	ND	ND	ND	630	360	360	360	
Phenanthrene	10,000	1600	87	380	720	4400	6300	6300	6300	
Pyrene	50,000	1800	150	730	780	4600	2000	2000	2300	

ND indicates non-detectable results.

## 8.0 DISCLAIMER

This report is based on a limited number and scope of soil samples and analyses. The conclusions presented in this report are based only on the observations made during this investigation, as well as data provided by others. Subsurface conditions such as groundwater elevation and quality may change with time and affect future soil and groundwater data. Therefore, the conclusions and recommendations discussed herein apply only to conditions existing at the time of this report.

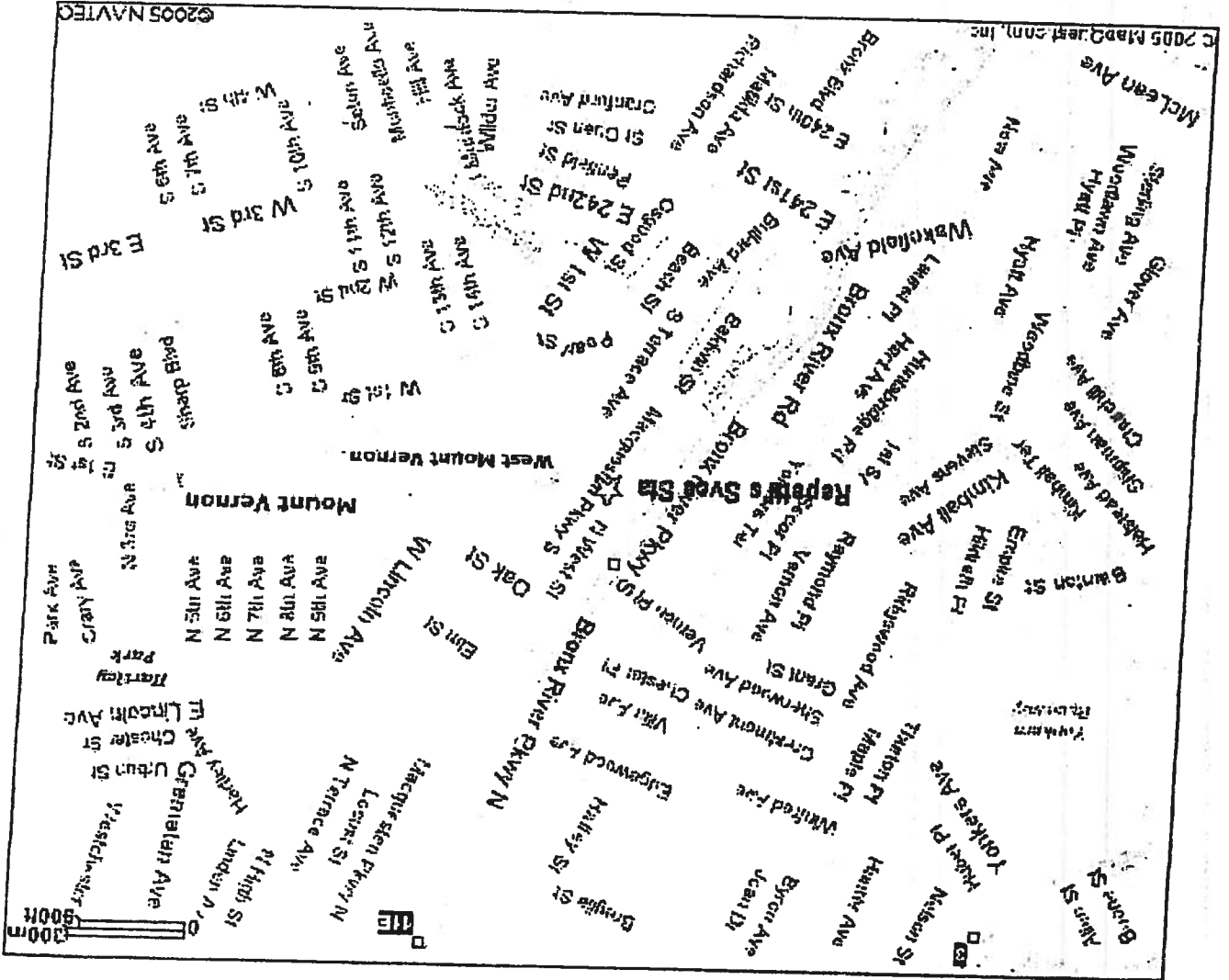
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Site Location

FIGURE 1

**SITE LOCATION:**

Repetit's Service Station  
22 South West Street Mt. Vernon, NY 10550





Site Plan / General

FIGURE 2

Site Plan / Sampling Locations

FIGURE 3

# SITE PLAN

## Sampling Locations

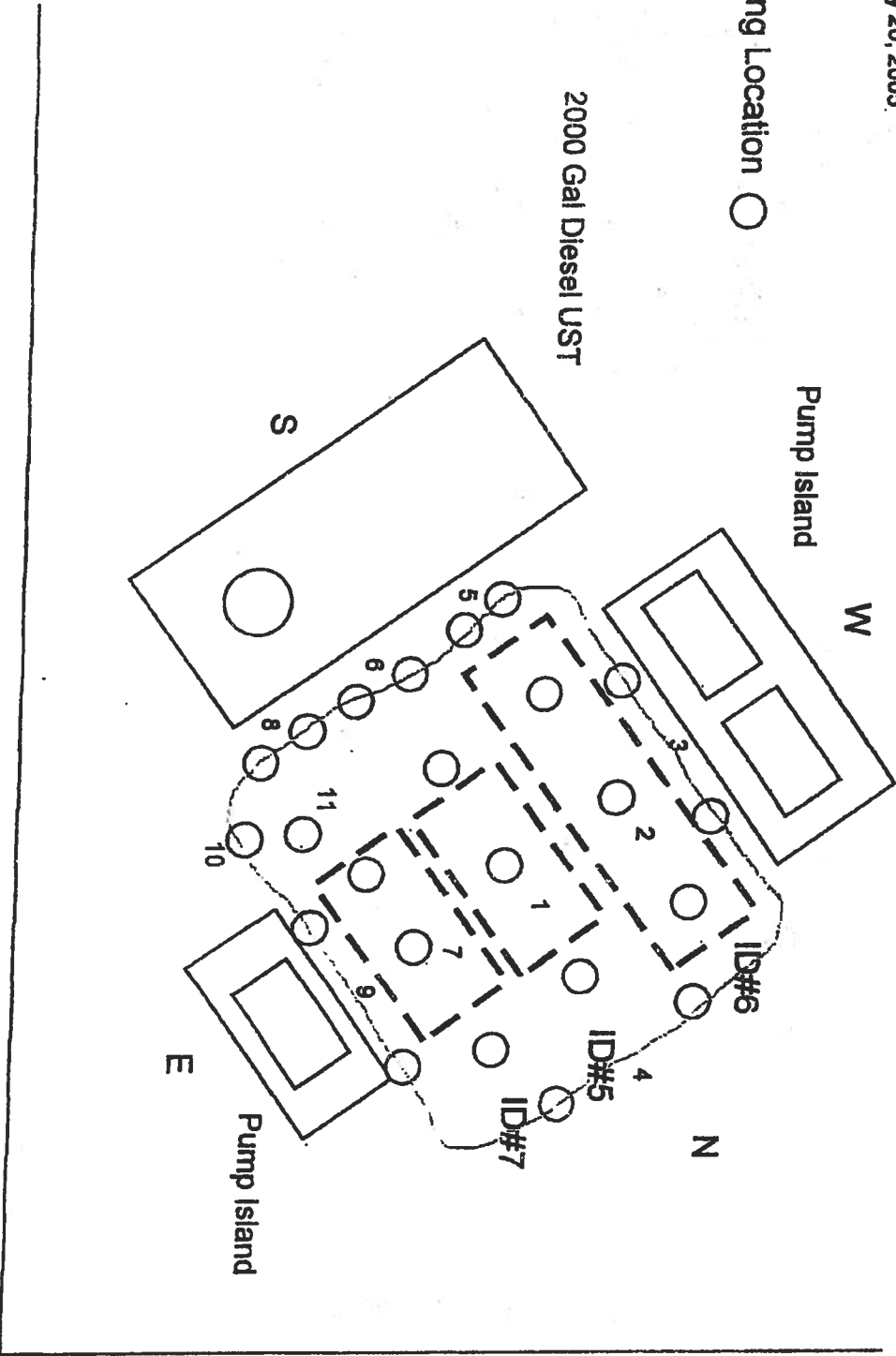
Repetti's Service Station  
22 South West Street Mt Vernon NY 10550  
PBS No. 3-172359

Dated: May 20, 2005



Sampling Location ○

2000 Gal Diesel UST



South West Street

Laboratory Results

APPENDIX A



New York License No. 10854

CT License No. PH-0723

Report Date: 6/1/2005  
Re: Client Project ID: Repett's Service Station / Post-Excavation Samples  
York Project No.: 05050751

Performer Compliance LLC  
P.O. Box 610  
Tarrytown, NY 10591  
Attn: Gary Giglio

prepared for

# Technical Report

ANALYTICAL LABORATORIES, INC.

# YORK

Client Sample ID	Floor-Tank #5	Floor-Tank #6
York Sample ID	05050751-01	05050751-02
Matrix	SOIL	SOIL
Parameter	Units	Results
Method	MDL	MDL
Volatiles-STARS List	SW846-8260	ug/Kg
1,2,4-Trimethylbenzene	Not detected	5.0
1,3,5-Trimethylbenzene	Not detected	5.0
Benzene	Not detected	5.0
Ethylbenzene	Not detected	5.0
Isopropylbenzene	Not detected	5.0
Methyl-tert-butyl ether (MTBE)	Not detected	5.0
Naphthalene	Not detected	5.0
n-Butylbenzene	Not detected	5.0
n-Propylbenzene	Not detected	5.0
o-Xylene	Not detected	10
p- & m-Xylenes	Not detected	10
p-Isopropyltoluene	Not detected	5.0
sec-Butylbenzene	Not detected	5.0
tert-Butylbenzene	Not detected	5.0
Toluene	Not detected	5.0
Total Xylenes	Not detected	10

**Analysis Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/23/05. The project was identified as your project "Repetti's Service Station / Post-Excavation Samples."

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

**Purpose and Results**

Report Date: 6/1/2005  
 Client Project ID: Repetti's Service Station / Post-Excavation Samples  
 York Project No.: 05050751  
**Performer Compliance LLC**  
 P.O. Box 610  
 Tarrytown, NY 10591  
 Attn: Gary Giglio

Client Sample ID	York Sample ID	Matrix	Method	Units	Results	MDL	Results	MDL
		SOIL						
		SOIL						
		SOIL						
		Parameter	Method	Units	Results	MDL	Results	MDL
		Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
		1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
		1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
		Benzene			Not detected	5.0	Not detected	5.0
		Ethylbenzene			Not detected	5.0	Not detected	5.0
		Isopropylbenzene			Not detected	5.0	Not detected	5.0
		Methyl-tert-butyl ether (MTBE)			Not detected	5.0	Not detected	5.0
		Naphthalene			Not detected	5.0	Not detected	5.0
		n-Butylbenzene			Not detected	5.0	Not detected	5.0
		n-Propylbenzene			Not detected	5.0	Not detected	5.0
		o-Xylene			Not detected	10	Not detected	10
		p- & m-Xylenes			Not detected	10	Not detected	10
		p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
		sec-Butylbenzene			Not detected	5.0	Not detected	5.0
		tert-Butylbenzene			Not detected	5.0	Not detected	5.0
		Toluene			Not detected	5.0	Not detected	5.0
		Total Xylenes			Not detected	5.0	Not detected	5.0
		STARS Target Semi-Volatiles	SW846-8270	ug/Kg	---	---	---	---
		Acenaphthene			Not detected	48	Not detected	48
		Anthracene			70		Not detected	
		Benzo[a]anthracene			420		Not detected	
		Benzo[a]pyrene			170		Not detected	
		Benzo[b]fluoranthene			99		Not detected	
		Benzo[g,h,i]perylene			38		Not detected	
		Benzo[k]fluoranthene			55		Not detected	
		Chrysene			210		Not detected	
		Dibenz[a,h]anthracene			290		Not detected	
		Fluorene			600		Not detected	
		Fluoranthene			41		Not detected	

Client Sample ID	York Sample ID	Matrix	Method	Units	Results	MDL	Results	MDL
		SOIL						
		SOIL						
		Parameter	Method	Units	Results	MDL	Results	MDL
		STARS Target Semi-Volatiles	SW846-8270	ug/Kg	---	---	---	---
		Acenaphthene			120		Not detected	
		Anthracene			330		Not detected	
		Benzo[a]anthracene			950		Not detected	
		Benzo[a]pyrene			430		Not detected	
		Benzo[b]fluoranthene			420		Not detected	
		Benzo[g,h,i]perylene			110		Not detected	
		Benzo[k]fluoranthene			380		Not detected	
		Chrysene			700		Not detected	
		Dibenz[a,h]anthracene			94		Not detected	
		Fluoranthene			1500		Not detected	
		Fluorene			120		Not detected	
		Indeno[1,2,3-cd]pyrene			110		Not detected	
		Naphthalene			76		Not detected	
		Phenanthrene			1600		Not detected	
		Pyrene			1800		Not detected	











ONE RESEARCH DRIVE  
STAMFORD, CT 06905  
(203) 325-1371 FAX (203) 357-0166

**Field Chain-of-Custody Record** Page 1 of 1

Company Name  
**Repetti's Service Station**

Report To:  
**Performer - Compliance LLC**

Invoice To:  
**Repetti's Service Station**

Project ID/No.  
**Repetti's Service Station Post-Excavation Samples**

Sample Collected By (Signature)  
*[Signature]*  
Name (Printed)  
**GARY GILLIO**

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	Floor - Tank #5	5-19-05						
2	Floor - Tank #6	"	X				8260 + 8270 "STARS" LIST	80Z TAR
3	Wall - West	"	X				"	"
4	Wall - North	"	X				"	"
5	Wall - South - Tank #6	"	X				"	"
6	Wall - South - Tank #5	"	X				"	"
7	Floor - Tank #7	"	X				"	"
8	Wall - South - Tank #7	"	X				"	"
9	Wall - East - North	"	X				"	"
10	Wall - East - South	"	X				"	"
11	Floor - Tank #7 - South	"	X				"	"

Chain-of-Custody Record

Bottles Relinquished from Lab by \_\_\_\_\_ Date/Time \_\_\_\_\_

Bottles Received in Field by \_\_\_\_\_ Date/Time \_\_\_\_\_

Comments/Special Instructions \_\_\_\_\_

Sample Relinquished by *[Signature]*

Sample Relinquished by *[Signature]*

Date/Time 5/23 12:20

Date/Time 5/23 12:20

Sample Received in LAB by *[Signature]* Date/Time 5/23/05

Sample Received in LAB by *[Signature]* Date/Time 5/23/05

Turn-Around Time \_\_\_\_\_

Soil Removal / Disposal Manifest

APPENDIX B

Date 7/18/05

Tickets 69071

Approvals 250705

Trucks KARIA014

Loc. Manifests B3

Net Tons 13.58

Loads 1  
TOTAL 19.58

From: 7/18/05  
To: 7/20/05  
Approvals 250705  
Generator REPET'S SERVICE STATION  
Origin 22 SOUTH WEST ST.  
MT. VERNON, NY 10550

CBC  
Delivery Report - DR & Approvals

7/21/05

**ALLIED ENVIRONMENTAL GROUP, INC.**  
 2103 HERRICK AVE, HERRICK, NY 11800 • TEL: 1-800-959-DIRT • FAX: 516-457-6180

**NON-HAZARDOUS MATERIAL MANIFEST**

**GENERATOR**

**KERRITT'S SERVICE STATION**

**SAME**

Generator Name: Shipping Location: Address: 22 SOUTH WEST STREET

MT. VERNON, NY

Address

Phone No. 914-664-1102

Net Weight (Cons)	Gross Weight	Net Weight	Net Weight	Approval Number	Description of Material
				250705	NON HAZARDOUS PETROL CONTAMINATED SOIL DESTINED FOR RECYCLING

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any equivalent state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DDT persistent substance as defined by 40 CFR Part 172 or any applicable state law, has been fully and accurately described above, packaged, labeled, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Signature: Shipment Date:

Katta

**TRANSPORTER**

Transporter Name: Driver Name (Print): FAUSTO VARELO

Address: Vehicle License No/State: Truck Number: 014

State Permit #: I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Driver Signature: Shipment Date: Driver Signature: Delivery Date:

Signature: Date:

Site Name: CLEAN BARTH OF CARTBERT  
 24 MIDDLESEX AVENUE  
 CARTBERT, NJ  
 Phone No. 1201-96  
 State Permit #: 0001-2

Name of Authorized Agent: Signature: Facility: Receipt Date:

Tank Bottom Removal / Disposal Manifest

APPENDIX C





WCDOH Work Permit

APPENDIX D

This work permit is good for sixty (60) days from the date of issue and must be posted on the tank at all times. Removal of this work permit prior to completion of work constitutes a violation of Article XXV of the Westchester County Sanitary Code.

In accordance with Article XXV of the Westchester County Sanitary Code, the bearer of this permit has completed an application for a work permit to perform work on the petroleum bulk storage tank located at:

Name of Establishment:

Repetti's Service Station

Street Address:

22 South West Street

Municipality:

Mount Vernon

Applicant's Name:

Barrier Motor Fuels, Inc

Issue Date:

04/01/2005

Expiration Date:

05/31/2005

Federal Tax ID Number:

13-2592167

PBS Number:

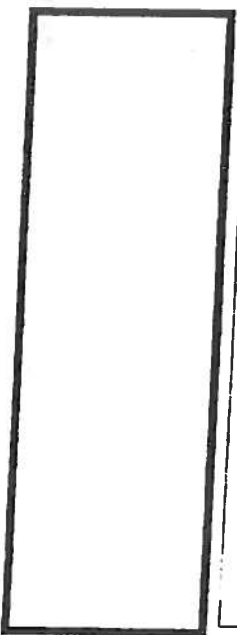
3-172359

Work to be Performed

Remove/Close Tank (1)

*Joshua Lipsman*

Joshua Lipsman, M.D., M.P.H.  
Commissioner of Health



City of Mt. Vernon Building Department Work Permit

APPENDIX E



City of Mt. Vernon Fire Department Work Permit

APPENDIX F

Plus two tanks found clean

*[Handwritten signature]*

In the space provided below clearly indicate the location of the tank removed.

Conversion to gas: Yes  No

Inspector: 3/20/95

4. Connecting lines removed yes securely plugged yes

3. Tank rendered free of vapors yes

2. Sludge removed from tank yes

1. Flammable & combustible liquids removed from tank yes

**INSPECTION FOR PERMANENT ABANDONMENT**

3. Gage opening capped

2. Fill line capped

1. Product removed to the lowest draft point

4. Pump suction capped

5. Secured against tampering

6. Protected against flotation

**INSPECTION FOR TEMPORARY ABANDONMENT**

Approved yes

8. Contaminated soil 0501989 NSDC spill

7. Tank or tanks removed from location yes

6. Filled to capacity with inert material benzene

5. Bottom of tank free of holes no

**NOTIFICATION**

Fire Dept. (Yes)  (No)

D.C. (Yes)  (No)

Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Permanent \_\_\_\_\_ Temporary \_\_\_\_\_

Name of Concern Performing Abandonment: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

**NUMBER AND SIZE OF TANKS TO BE ABANDONED AND PRODUCT**

1. Removal of 55 gal. undegraded front post

2. White Oil station

3. station

4. station

Owner: Ropetti Service Station

Facility Address: 22 South West Street

Telephone #: \_\_\_\_\_

**ABANDONMENT OR REMOVAL OF ANY CLASS I, II, III LIQUID STORAGE TANK**

Permit # 6579

1. FD Copy (White)

2. Inspected Premise (Yellow)

**CITY OF MOUNT VERNON, N.Y.**  
BUREAU OF FIRE PREVENTION  
Fire Headquarters, 470 East Lincoln Avenue

665-2611  
Fax 665-2630

BUREAU OF FIRE PREVENTION

4-40074

WCDOH Tank Closure Inspection Reports

APPENDIX G



**TANK CLOSURE INSPECTION REPORT**

Site: \_\_\_\_\_ NYSDEC Spill No. \_\_\_\_\_

Address: \_\_\_\_\_  
Municipality: \_\_\_\_\_  
Town: \_\_\_\_\_  
Contractor: \_\_\_\_\_

PBS No. \_\_\_\_\_  
Date of Inspection: \_\_\_\_\_  
Time of Inspection: \_\_\_\_\_

**TANK INFORMATION**

Capacity	Type	Product Stored	Condition

**EXCAVATION INFORMATION**

Excavation dimensions:	Is soil staining visible?	Are petroleum odors present?	Is groundwater present?	Is a sheen visible?	Is free product present?	Was contaminated soil excavated?	Is contaminated soil stockpiled on site?	Is stockpile property staged?	Receptors nearby	Distance from excavation:
5' x 7'	Y	N	Y	N	Y	Y	N	Y	Private Well	
									Stream	
									River	
									Storm Drain	
									Lake	
									Pond	

**FURTHER ACTION REQUIRED**

Tank Closure Report: Submit to WCDOH. The report must include a description of the work performed, site plan, laboratory results, waste disposal manifests, PBS certificate tank number. Failure to comply is a violation of Section 873.2519 of the Westchester County Sanitary Code.  
 Contaminated Material: All contaminated material must be removed and properly disposed. Contaminated soil must be removed within 60 days after stockpiling began. Failure to comply is a violation of NYSDEC 6NYCRR Part 360-1.7(b)(4).  
 Soil Sampling: Sampling must comply with NYSDEC STARS Memo #1. Fuel oil tanks: EPA 8021 and 8270 (base/neutral) or equivalent. Gasoline tanks EPA 8021 or equivalent.  
 Required sampling: To be determined by the inspector.

Groundwater Sampling: Fuel oil tanks: EPA 624 and EPA 625. Gasoline tanks: EPA 624.  
 Required sampling: To be determined by the inspector.

acknowledge receipt of this inspection report.  
 Representative's Signature: \_\_\_\_\_  
 Inspector: \_\_\_\_\_  
 Telephone No. (914) 813- \_\_\_\_\_

TANK CLOSURE INSPECTION REPORT

Site			
Address			
Town	Municipality		
Contractor			
Time of Inspection			
Date of Inspection			
PBS No.	3		
NYSDEC Spill No.			

TANK INFORMATION

Capacity	Type	Product Stored	Condition

EXCAVATION INFORMATION

Excavation dimensions: 12 x 17 ft	Is soil staining visible?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Is groundwater present?	Is a sheen visible?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Is contaminated soil excavated?	Is contaminated soil stockpiled on site?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Was contaminated soil excavated?	Is stockpile property staged?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Receptors nearby: Private Well, Stream, River, Storm Drain, Lake, Pond

Distance from excavation:

Remarks: 2 electric lines (one 200V, one 480V) are located near the site. The site is located on the corner of the intersection of the road and the road.

FURTHER ACTION REQUIRED

Tank Closure Report: Submit to WCDOH. The report must include a description of the work performed, site plan, laboratory results, waste disposal manifests, PBS certificate tank number. Failure to comply is a violation of Section 873.2519 of the Westchester County Sanitary Code.

Contaminated Material: All contaminated material must be removed and properly disposed. Contaminated soil must be removed within 60 days after stockpiling began. Failure to comply is a violation of NYSDEC 6NYCRR Part 360-1.7(b)(4).

Soil Sampling: Sampling must comply with NYSDEC STARS Memo #1. Fuel oil tanks: EPA 8021 and 8270 (base/neutral) or equivalent. Gasoline tanks: EPA 8021 or equivalent. NE well = 1 composite = 1 well. West = 3 (one for each tank). Soil wells = 2 soil tanks. EPA 8021 or equivalent.

Groundwater Sampling: Fuel oil tanks: EPA 624 and EPA 625. Gasoline tanks: EPA 624.

Required sampling: 15

Inspector	Representative's Signature
Telephone No. (914) 813- -	I acknowledge receipt of this inspection report.

WCDOH PBS Work Summary

APPENDIX H



Westchester County Department of Health  
Petroleum Bulk Storage

**WORK SUMMARY**

To:

Petroleum Bulk Storage Section  
Westchester County Department of Health  
145 Huguenot Street  
New Rochelle, NY 10801

Date:

2/2/05

FACILITY		CONTACT			OWNER										
PBS #	3-172359	Company	Barrier Motor Fuels, Inc.			Tank #	5								
Facility	Regrettis Service Station	Address	187 W. Main St			Removed <sup>2</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
City	Mat Vernon	City	Tarrytown			Closed in Place <sup>2</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Address	22 South West Street	Address	187 W. Main St			Installed <sup>2</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State	NY	State	NY			Modified <sup>3</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zip	10550	Zip	10591			Tested <sup>4</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NYSDEC Spill # (if applicable)	05-01989	Contact	Wayne Jeffers			Date	5/18/05	5/18/05	5/19/05						
Telephone	914-631-2272	Telephone	914-631-2272												

<sup>1</sup>The tank number must be the same identification number as it appears on the current PBS Registration Certificate.  
<sup>2</sup>Reports with incorrect identification numbers may be rejected.  
<sup>3</sup>Submit a closure report.  
<sup>4</sup>Submit a Petroleum Bulk Storage Application listing new tank information, as-built plans and a site plan.  
 Submit the tightness test report.

Office of Environmental Health Risk Control  
145 Huguenot Street, 8<sup>th</sup> Floor  
New Rochelle, NY 10801

10/04

telephone: (914) 813-5161  
fax: (914) 813-5160  
www.westchester.gov/health

## 6.0 CONCLUSIONS

### 6.1 Summary

The following is a summary based on the findings of this report:

- Two 550 and one 1000 gallon USTs were excavated and removed from the site.
- Approximately fourteen (14) tons of petroleum-contaminated soil were generated during site operations, and were subsequently removed and disposed of.
- Two (2) 55 gallon drums of tank bottom materials were generated during site operations and were subsequently removed and disposed of.
- A spill incident report was filed with NYSDEC and WCDOH (Spill No. 05-01989).
- The 550 gallon active waste oil UST appeared to be in good condition with no evidence of leakage.
- Post-excavation soil analyses indicates residual contamination from VOCs and SVOCs, primarily in the area of the easternmost UST (Tank ID No. 7) with concentrations of some target compounds above regulatory limits.
- The probability is minimal for human ingestion of potentially contaminated groundwater since there are no potable wells in the area.
- The nature of the site and surrounding area is primarily commercial and light industrial.

- No MTBE detected in any of the soil samples.

## 6.2 Recommendations

In consideration of the above observations, information supplied by the owner, it appears that localized environmental impact did occur upon soils in the area of the former USTs, mainly underneath Tank ID No. 7 (furthest south UST). This may have been a result of product losses through corrosion holes and/or surface spills over time. The lack of MTBE in the post-excavation soil samples indicates an older occurrence, with an origin of perhaps twenty five years or more in the past. The presence of VOCs indicates gasoline as a source.

Remaining affected soils appear localized to the southeastern portion of the former tank farm. These soils should be removed when further excavation becomes practical in the future. An existing nearby groundwater well can be monitored in order to obtain further subsurface data.

## 7.0 REGULATORY REVIEW

A copy of this report will be forwarded to the Westchester County Department of Health for review, pursuant to its requirements. The need for further action will be at its discretion.

# SOILTESTING, INC.

DATE May 25, 2005

Repett's Service Station

22 Southwest Street, Mt. Vernon, NY 10550

Repett's Service Station, 22 Southwest Street, Mt. Vernon, NY

John Repett

PLEASE SENT TO Storage (Max 60 days)

140 Oxford Road  
Oxford, Connecticut 06478  
203-888-4531  
Branch Office  
White Plains, New York 10607  
914-946-4850

JOB NO  
E18-7334-05



**SOILTESTING, INC.**

140 OXFORD RD.

OXFORD, CT 06478

CT (203) 888-4531

NY (914) 946-4850

MAN - DRILLER

D/cb

CTOR

ND WATER OBSERVATIONS

FT AFTER 0 HOURS

T AFTER HOURS

SAMPLE

SING

OWS NO

TYPE PEN REC

DEPTH @ BOT

BLOWS PER 6 IN

ON SAMPLER

(FORCE ON TUBE)

CORING

TIME PER

FT (MIN)

MOIST

OR

CONSIST

DEPTH

STRA

CHANGE

INCL. COLOR, LOSS OF WASH WATER, SEAMS

IN ROCK, ETC.

FIELD IDENTIFICATION OF SOIL REMARKS

Pavement

Brn FM SAND, sm C sand, ill F gravel

SAME, gry with fuel odor

Bm FM SAND

SAME

E.O.B. 32'0"

AND SURFACE TO

FT. USED

CASING THEN

CASING TO FT.

HOLE NO. MW-1

UNDISTURBED PISTON

WEIGHT OF RODS

WOH = WEIGHT OF HAMMER & RODS

H.S.A. = HOLLOW STEM AUGER

PORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%

C = COARSE  
M = MEDIUM  
F = FINE

CLIENT: Repetti's Service Station

PROJECT NO. E18-7334-05

PROJECT NAME

Repeti's Service Station

22 Southwest Street

Mt. Vernon, NY

CASING SAMPLER CORE BAR

TYPE HSA

SS

SIZE I.D. 6%"

HAMMER WT. 140#

HAMMER FALL 1 3/8"

BIT 30"

DATE START 5/19/05

DATE FINISH 5/19/05

SURFACE ELEV.

GROUND WATER ELEV.

OFFSET

BORING LOCATIONS

per plan

HOLE NO. MW-1

SHEET 1 OF 1



WHITE PLAINS, N.Y. (914) - 946-4850

MONITOR WELL INSTALLATION DETAIL.

140 OXFORD ROAD - OXFORD, CONN. 06478-1943

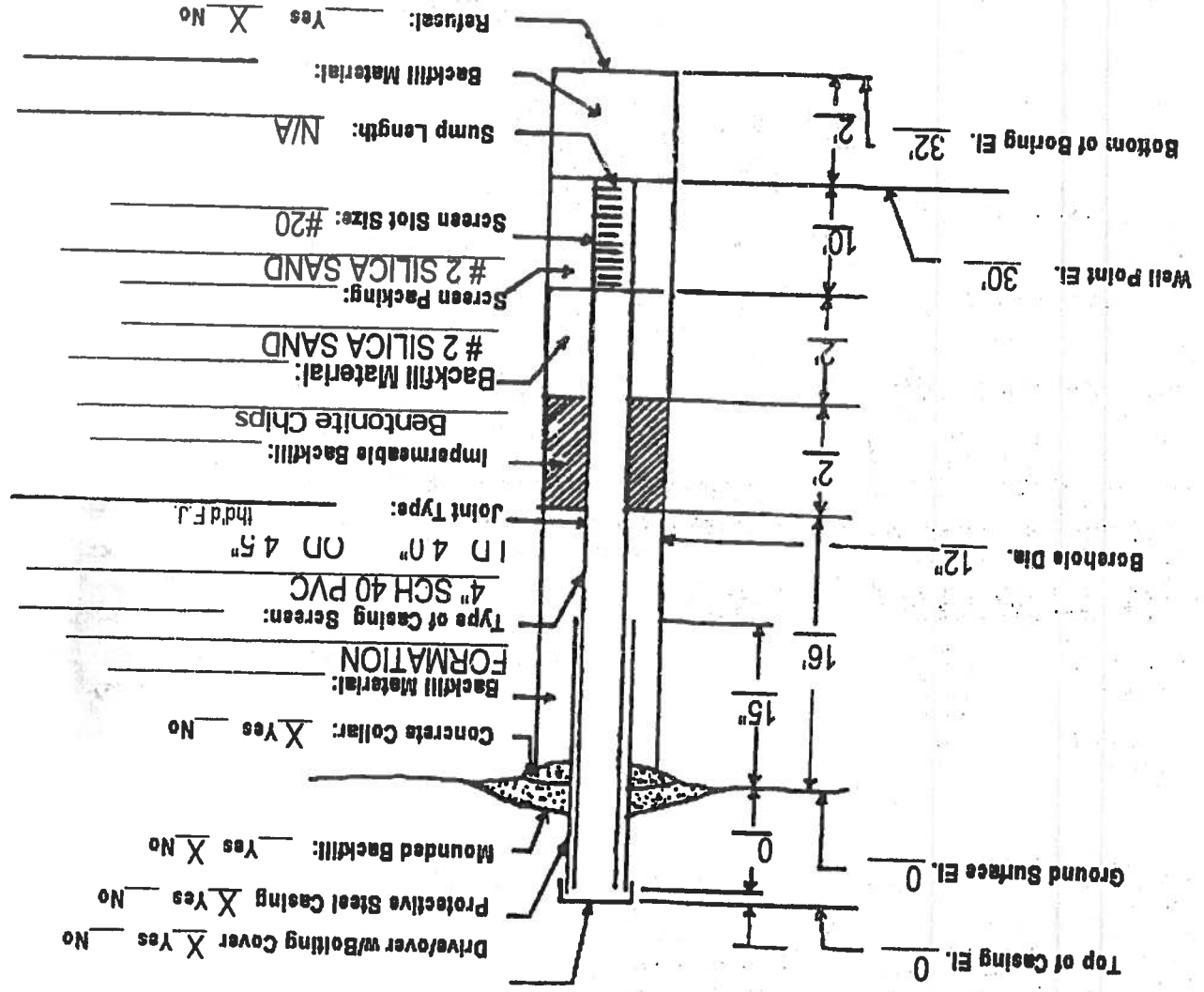
# SOILTESTING, INC.

Phone 203 - 888-4631  
 Telefax 203 - 888-6247

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling  
 Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling

CLIENT: Repett's Service Station  
 JOB#: E18-7334-05

Observation Well # MW-1



- Materials Used:**  
 Screen 10  
 Riser 20  
 Plug 1  
 Slip Cap  
 Shies Sand 550#  
 Powdered Bentonite
- Bentonite Pellets  
 Bentonite Chips 1/2  
 Concrete Mix 1  
 Portland
- Looking Exp. Plug 1  
 Lock  
 D/O 1  
 S/U
- Refusal: Yes \_\_\_ No   
 Backfill Material: \_\_\_\_\_  
 Sump Length: N/A  
 Screen Slot Size: #20  
 Screen Packing: #2 SILICA SAND  
 Backfill Material: #2 SILICA SAND  
 Bentonite Chips  
 Impermeable Backfill: \_\_\_\_\_  
 Joint Type: Inhd.F.J.  
 1 D 4" ON 4.5"  
 Type of Casing Screen: 4" SCH 40 PVC  
 Backfill Material: FORMATION  
 Concrete Collar: Yes \_\_\_ No   
 Mounded Backfill: Yes \_\_\_ No   
 Protective Steel Casing: Yes \_\_\_ No   
 Driveover/w/Boiling Cover: Yes \_\_\_ No

**OILTESTING, INC.**

140 OXFORD RD.  
OXFORD, CT 06478

CT (203) 888-4531  
NY (914) 946-4850

N - DRILLER

FOR

CD

WATER OBSERVATIONS

T AFTER 2 HOURS

AFTER HOURS

SAMPLE

NO. TYPE PEN REC

DEPTH @ BOT

BLOWS PER 6 IN

ON SAMPLER

(FORCE ON TUBE)

CORING

TIME PER

FT (MIN)

MOIST

ELEV

ASPHALT

Bm FM SAND, sm F gravel, lit C gravel, cobbles

dry

moist

wet

SAME

E.O.B. 32.0"

SET WELL AT 30'

HOLE NO. MW-2

SHEET 1 OF 1

CLIENT: Repetti's Service Station

PROJECT NO. E18-7334-05

PROJECT NAME

Repetti's Service Station

LOCATION

22 Southwest Street

Mt. Vernon, NY

CASING

SAMPLER

SS

DATE START

5/19/05

DATE FINISH

5/19/05

GROUND WATER ELEV.

30"

BIT

140#

TYPE

HSA

SIZE I.D.

6"

HAMMER WT.

13/8"

HAMMER FALL

30"

DATE START

5/19/05

DATE FINISH

5/19/05

GROUND WATER ELEV.

30"

BIT

140#

TYPE

HSA

SIZE I.D.

6"

HAMMER WT.

13/8"

HAMMER FALL

30"

DATE START

5/19/05

DATE FINISH

5/19/05

GROUND WATER ELEV.

30"

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5/19/05

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DATE START

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HAMMER FALL

30"

DATE START

5/19/05

DATE FINISH

5/19/05

GROUND WATER ELEV.

30"

BIT

140#

TYPE

HSA

SIZE I.D.

6"

HAMMER WT.

13/8"

HAMMER FALL

30"

DATE START

5/19/05

DATE FINISH

5/19/05

GROUND WATER ELEV.

30"

BIT

140#

TYPE

HSA

SIZE I.D.

6"

HAMMER WT.

13/8"

HAMMER FALL

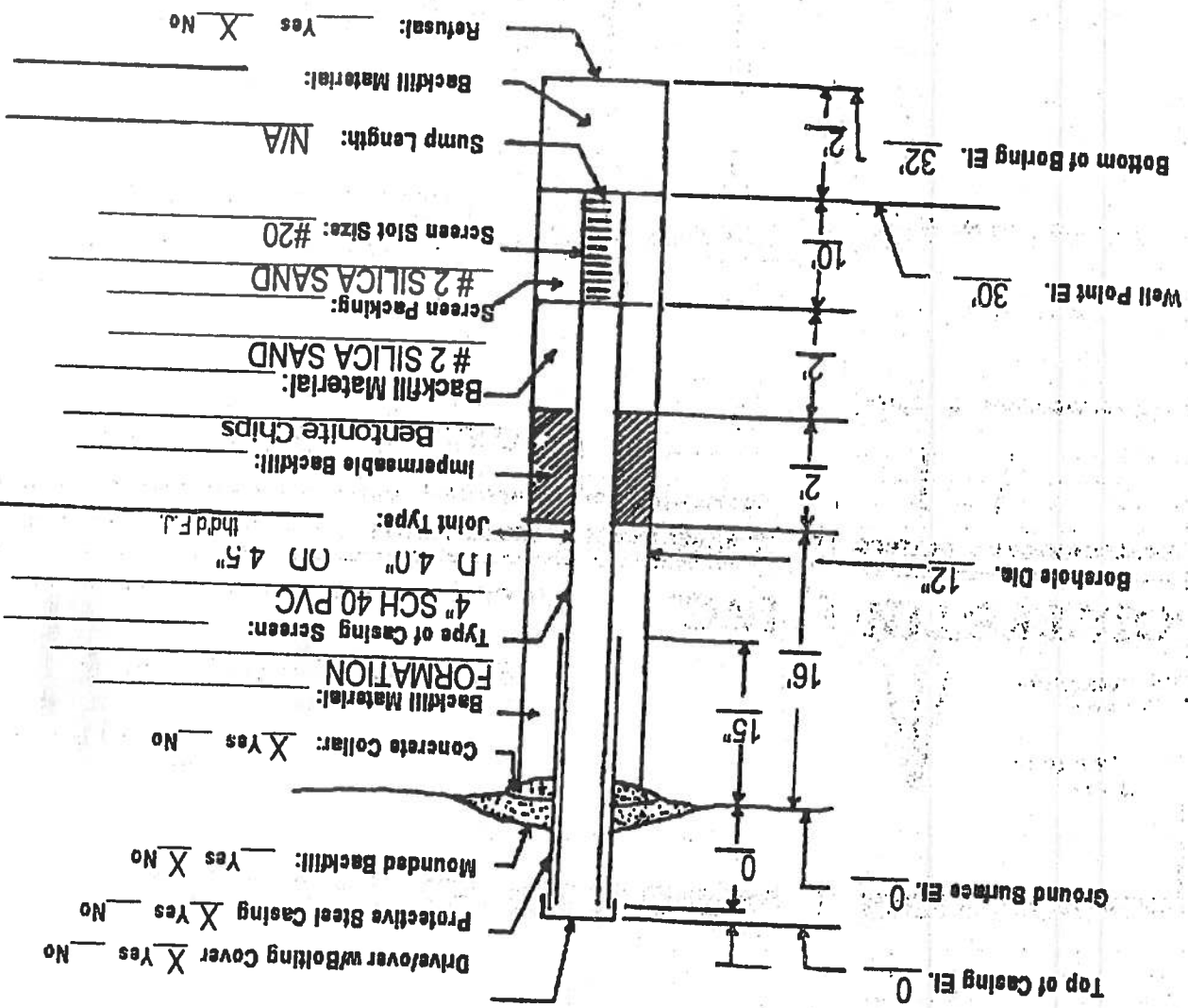
30"

DATE START

Materials Used:  
 Screen 10  
 Riser 20  
 Plug 1  
 Slip Cap  
 Silica Sand 550#  
 Powdered Bentonite

Bentonite Pellets  
 Bentonite Chips 1/2  
 Concrete Mix  
 Portland

Locking Exp. Plug 1  
 Lock  
 D/O 1  
 S/U



Observation Well # MW-2

JOB#: E18-7334-05

CLIENT: Repetti's Service Station

Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling

140 OXFORD ROAD - OXFORD, CONN. 06478-1943

**SOILTESTING, INC.**



Phone (03) - 888-4531  
 Telefax (03) - 888-6247

MONITOR WELL INSTALLATION DETAIL

WHITE PLAINS, N.Y.  
 (914) - 946-4850

# SITE PLAN

## Sampling Locations

Repetti's Service Station  
22 South West Street Mt Vernon NY 10550

PBS No. 3-172359

Dated: May 20, 2005



Sampling Location ○

MW-3

2000 Gal Diesel UST

Pump Island

MW-2

W

MW-1

N

ID#6

ID#5

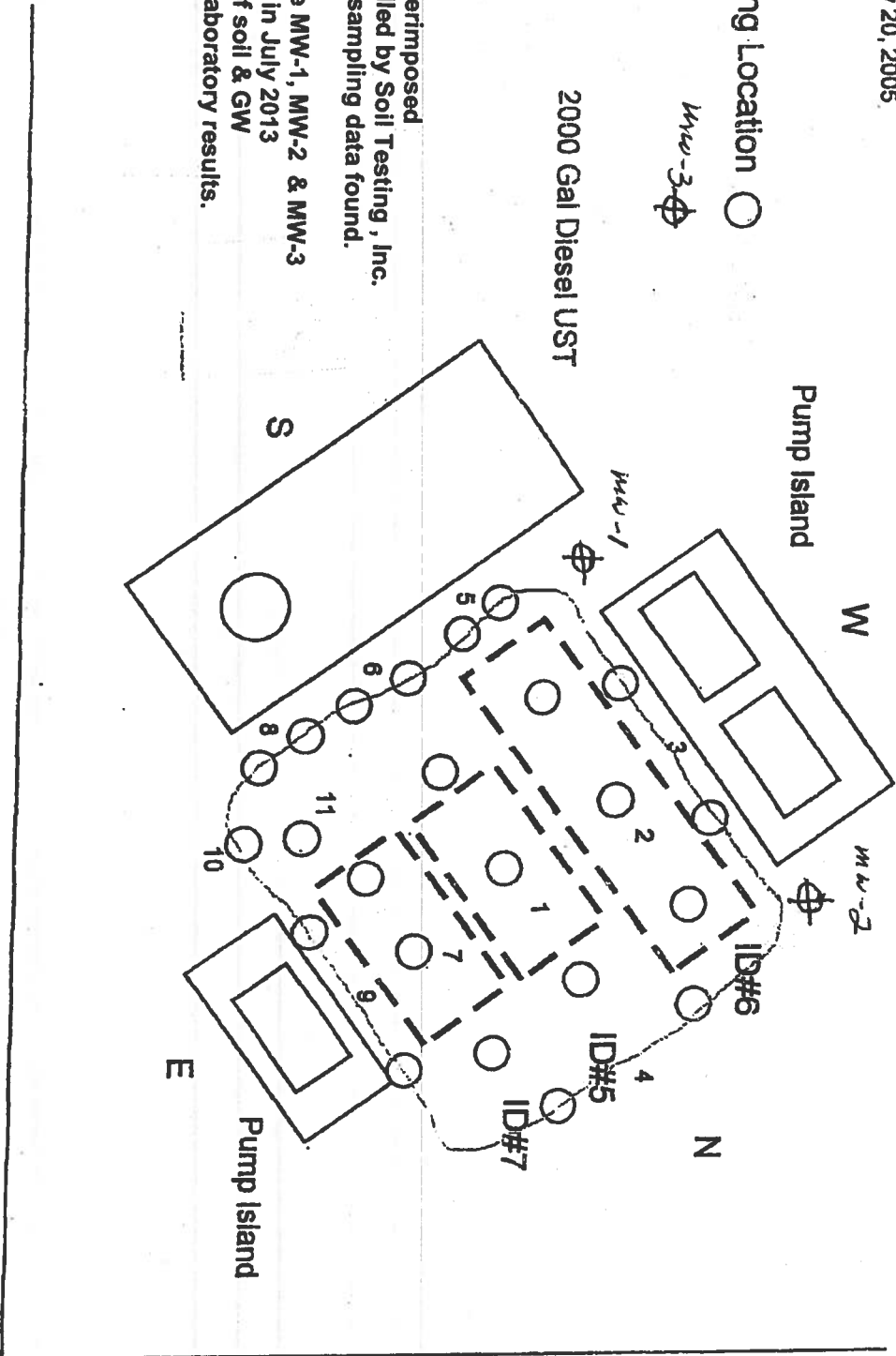
ID#7

S

E

Pump Island

Location of MW-1, 2 & 3 superimposed  
On this sketch that were Drilled by Soil Testing, Inc.  
In May, 2005, No soil or GW sampling data found.  
However These are the same MW-1, MW-2 & MW-3  
Sampled by Carlin-Simpson in July 2013  
See Appendix 3 for Sketch of soil & GW  
sampling points along with laboratory results.



South West Street

