

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT FORMER BROAD STREET PARKADE 324, 330, 334 & 340 BROAD STREET MANCHESTER, CONNECTICUT

Prepared For: Town of Manchester 494 Main Street Manchester, CT 06045-0191

Prepared By: GZA GeoEnvironmental, Inc. 655 Winding Brook Drive Suite 402 Glastonbury, CT 06033

GZA File No. 05.0044771.00

Report Issuance Date: February 4, 2011

Copyright© 2011 GZA GeoEnvironmental, Inc.

GZA
GeoEnvironmental, Inc.

Engineers and Scientists

February 4, 2011 File No. 05.0044771.00

Town of Manchester 494 Main Street P.O. Box 191 Manchester, CT 06045-0191

Attention: Mr. Mark Pellegrini

Re: Phase I Environmental Site Assessment Report

Former Broad Street Parkade Parcel 324, 330, 334 & 340 Broad Street

Manchester, Connecticut

655 Winding Brook Drive Suite 402 Glastonbury CT 06033 860-286-8900 Fax: 860-652-8590

www.gza.com

Dear Mr. Pellegrini:

In accordance with our proposal dated January 5, 2011, GZA GeoEnvironmental, Inc. (GZA) is pleased to provide the attached Phase I Environmental Site Assessment Report. This assessment was completed in general accordance with the guidelines described in ASTM Standard Practice E1527-05 for Phase I Site Assessments.

This report is based on our review of available historical and environmental records, limited (based on snow cover) visual observations of the surface of the subject Site and adjoining properties and personal interviews with available persons having knowledge of the property. Section 11.00 of the report, our Findings and Conclusions, is considered an Executive Summary, and should be reviewed in conjunction with the entire report.

We hope this satisfies your present needs. If you have questions, please contact the undersigned at (860) 286-8900, at your convenience. Thank you for the opportunity to work with you on this project.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

James T. Hutton, LEP

Sr. Project Manager/Environmental Professional

Gordon T. Brookman, P.E., LEP

Intelul alumban

Consultant/Reviewer

Gary Cluen, LEP

Principal/Environmental Professional

j:\vernon\\_44,500-44,999\44771-manchester parkade\44771-00.gjc\reports\manchester broad st ph i rpt 02-03-11 final.doc

# TABLE OF CONTENTS

P	age
1.00 INTRODUCTION	1
1.10 PROJECT AUTHORIZATION	
1.20 PROJECT OBJECTIVES	
1.30 SCOPE OF SERVICES	
1.40 POTENTIAL DATA GAPS	1.77
	552
2.00 SITE BACKGROUND INFORMATION	3
2.10 SITE LOCATION DESCRIPTION	3
2.20 CURRENT SITE USE	
2.30 ADJOINING PROPERTIES USE	4
2.40 AREA USE	5
2.50 SITE UTILITIES	5
3.00 ENVIRONMENTAL SETTING	5
3.10 REGIONAL PHYSIOGRAPHY	115 -
3.20 GROUNDWATER AND SURFACE WATER CONDITIONS	
3.30 SOIL AND ROCK CONDITIONS	7
4.00 HISTORICAL USE INFORMATION	
4.10 SITE HISTORY SUMMARY	
4.20 HISTORICAL CITY DIRECTORY REVIEW	
4.30 AERIAL PHOTOGRAPH REVIEW	
4.40 TOPOGRAPHIC MAP REVIEW	
4.50 HISTORIC ATLAS REVIEW	
4.60 TITLE SEARCH AND HISTORY OF OWNERSHIP	
4.70 OTHER HISTORICAL SOURCES	14
5.00 PREVIOUS SITE INVESTIGATIONS	14
6.00 SITE RECONNAISSANCE AND INTERVIEWS	21
6.10 EXTERIOR OBSERVATIONS	
6.10.1 Underground Storage Tanks (USTs)	
6.10.2 Aboveground Storage Tanks (ASTs	
6.10.3 Hazardous Substances or Petroleum Products Use	
6.10.4 Staining	
6.10.5 Electrical Transformers/Equipment	
6.10.6 Drywells and Sumps	
6.10.7 Pits, Ponds, and Lagoons	
6.10.8 Wells	
6.10.9 Solid Waste	
6.10.10 Septic System	
6.10.11 Stressed Vegetation	
6.10.12 Soil/Water Sampling	
6.10.13 Oil/Water Separators	

	C 10 14 C C W. L. D CC	_
	6.10.14 Surface Water Runoff	
	6.10.15 Other Observations	
6.20 II	NTERIOR OBSERVATIONS2:	5
	6.20.1 Construction	6
	6.20.2 Heating and Cooling	6
	6.20.3 Current Site Use	7
	6.20.4 Chemical Use and Storage Areas2	
	6.20.5 Stains or Corrosion	
	6.20.6 Floor Drains or Sumps2	
	6.20.7 Other Observations 2	7
700 VICINI	TY RECONNAISSANCE	Q
	IAZARDOUS MATERIALS USE AT ADJOINING PROPERTIES 2	
		_
7.20 V	VICINITY PROPERTIES AND USE	9
8.00 REGUL	ATORY DATABASE REVIEW 29	9
	FEDERAL AGENCY DATABASES	
	STATE AGENCY INFORMATION	
	TDEP FILE REVIEW 34	
	OCAL REGULATORY AGENCIES 33	
8.40 L	OCAL REGULATORY AGENCIES	8
9.00 INTER	VIEWS/REFERENCES	9
10.00 USER	RESPONSIBILITIES	9
11 00 EININE	NOC AND CONCLUCIONS	^
	NGS AND CONCLUSIONS 40	
	FINDINGS	
11.20	CONCLUSIONS AND OPINIONS4	4
12.00 ENVIR	ONMENTAL PROFESSIONAL STATEMENTS4	5
13.00 LIMIT	ATIONS & RELIANCE 4	5
ZOIGO ZZIVITI	T. T.	,
<b>TABLES</b>		
TABLE 1	MONITORING WELL DETAILS	
TABLE 2	SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS	
TABLE 3	SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS	
TABLE 4	SUMMARY OF STREAM SEDIMENT ANALYTICAL DATA	
TABLE 5	SUMMARY OF STREAM SURFACE WATER ANALYTICAL DATA	
FIGURES		
FIGURE 1	LOCUS PLAN	
FIGURE 2	SITE PLAN	
FIGURE 3	SAMPLING PLAN	

APPENDICES
APPENDIX A
APPENDIX B
LIMITATIONS
SITE PHOTOGRAPHS AND HISTORICAL AERIAL
PHOTOGRAPHs

APPENDIX C GIS MAPS

APPENDIX D PREVIOUS ENVIRONMENTAL REPORTS

APPENDIX E LOCAL AND STATE REGULATORY DOCUMENTS

APPENDIX F ENVIRONMENTAL DATABASE REPORT & SUPPLEMENTAL

**EDR REPORTS** 

APPENDIX G USER QUESTIONNAIRE

APPENDIX H QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

#### 1.00 INTRODUCTION

## 1.10 PROJECT AUTHORIZATION



GZA GeoEnvironmental, Inc. (GZA) conducted a Phase I Environmental Site Assessment (ESA) on behalf of the Town of Manchester (Client) for the property formerly known as the Broad Street Parkade located at 324, 330, 334 & 340 Broad Street in Manchester, Connecticut (Site). The Site visit portion of this environmental assessment of the property was conducted on January 24, 2011 by GZA environmental scientist Mr. Benjamin Graham. Authorization to proceed on this project was granted in accordance with GZA's signed proposal dated January 5, 2011.

As part of our assessment, GZA reviewed soil boring logs and soil and groundwater analytical reports prepared in 2006 for another party. The soil and groundwater data was collected for a confidential developer that was assessing the Site for redevelopment. GZA was given permission to use the existing data as part of the current assessment for the Town of Manchester.

It is our understanding that the Town of Manchester is contracting with others to assess asbestos and other hazardous building materials that may be present in existing Site structures.

### 1.20 PROJECT OBJECTIVES

The objectives of this Phase I Environmental Site Assessment were:

- To render an opinion as to whether surficial or historical evidence indicates the presence or likely presence of Recognized Environmental Conditions which have the potential to result in the presence of hazardous substances or petroleum products in the environment, as defined in the American Society for Testing and Materials (ASTM) Standard Practice E1527-05 for Phase I Environmental Site Assessments (ASTM E1527-05).
- To assist the User in satisfying one of the requirements to qualify for certain Landowner Liability Protections under CERCLA.

As defined by ASTM E1527-05, the term Recognized Environmental Condition (REC) means "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, past release, or material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property." The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include deminimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

### 1.30 SCOPE OF SERVICES



GZA's assessment of the Site was completed in general accordance with the ASTM – E1527-05 and GZA's proposal for services. GZA understands that this assessment is not funded with a Federal Grant awarded under the U.S. EPA Brownfield Assessment and Characterization Program and therefore did not include an evaluation for the presence of controlled substances. GZA's scope of services consisted of the following activities:

- review of federal and state regulatory agency databases identified by ASTM for the Site and a selected radius around the Site;
- contact with local environmental regulatory agencies to inquire about environmental conditions at the Site and in its vicinity;
- review of available public files at the Connecticut Department of Environmental Protection (CTDEP);
- review of the Site history through available ASTM Standard Historical Sources;
- a Site reconnaissance to make surficial observations for evidence of RECs;
- a vicinity reconnaissance of properties within ¼-mile of the Site;
- review of adjoining properties to identify the potential use of hazardous materials;
- an interview with the property owners or the Key Site Manager as well as certain other available occupants and/or major tenants regarding the current and past site usage and facility operations (and past owners and occupants if identified);
- a review of the information provided as part of "User responsibilities" described in ASTM E1527-05;
- a review of previous reports and existing Site soil and groundwater data that was previously collected by GZA during a 2006 assessment for another party (permission to use the data was granted by the party that previously contracted with GZA for subsurface testing at the Site); and,
- the preparation of this report of our findings.

This report presents GZA's Site reconnaissance observations, research findings and opinions related to apparent environmental conditions at the Site. This report is subject to modification if GZA or any other party develops subsequent information. This report is also subject to the Limitations presented in Section 13.00 and Appendix A.

### 1.40 POTENTIAL DATA GAPS



During the course of our investigation, several feet of snow covered the Site parking areas, buildings and landscaped areas. GZA was not able to directly observe the ground surface over the majority of the Site due to snow cover. Surficial staining or disturbed areas could be hidden beneath the snow at the Site. The inability to observe the ground surface is considered a data gap until such time that the Site can be observed when snow cover is gone.

Site buildings were vacant and the roofs of the buildings were in poor condition based on observations from doorways to the Site buildings. GZA did not enter all building spaces because safe entry into areas with degraded roofs was not possible. Inability to enter all building spaces to assess them for hazardous materials is a data gap. However, we note that TRC was contracted by the Town of Manchester to assess hazardous building materials at the Site. We understand that TRC is submitting a hazardous building materials survey report to the Town of Manchester under separate cover.

Other data gaps were not identified that would alter GZA's findings and conclusions in regard to environmental assessment of the Site to meet the ASTM – E1527-05 standard.

#### 2.00 SITE BACKGROUND INFORMATION

The following information was obtained by GZA during reconnaissance research conducted for the Site and area properties and interviews with people knowledgeable about the Site. Figure 1, attached, is a Site Locus Plan indicating the approximate Site location using the 1997 United States Geological Survey (USGS), Manchester, Connecticut Quadrangle topographic map as a base. Figure 2, attached, is a Site Plan indicating general Site features and observed Site and vicinity conditions. GZA's Figure 2 was developed based on Town Tax Assessor's maps and GZA's visual observations of Site features. Figure 3, attached, is a detailed Site map created from a 2006 survey map provided by a prior GZA client that authorized use of the base map.

Appendix B contains photographs of selected features observed during the Site reconnaissance on January 24, 2011. Sections 6.00 and 7.00 of our report provide additional information concerning Site use, Site vicinity observations and activities at the Site and at surrounding properties.

### 2.10 SITE LOCATION AND DESCRIPTION

The Site is located southwest of the intersection of Broad Street and Green Manor Boulevard in Manchester, Connecticut. Green Manor Boulevard borders the north side of the Site and Broad Street borders the east side of the Site; driveways to Green Manor Boulevard and Broad Street provide vehicular access to the Site. Bigelow Brook boarders the south side of the Site. Parts of the Site near Bigelow Brook are lightly wooded or overgrown with weeds and shrubs. The remaining portions of the Site are paved, covered with buildings or are

landscaped. Wetlands appear to be present along the edges of Bigelow Brook. Wetlands mapping was not completed as part of GZA's scope of work for this assessment.

The Town of Manchester Tax Assessor's records indicate 324 Broad Street is listed as 2.84 acres, 330 Broad Street is listed as 4.03 acres, 334 Broad Street is listed as 4.33 acres and 340 Broad Street is listed as 7.02 acres. Tax assessor's field cards for the parcels that make up the Site are included in Appendix C. The Tax Assessor designation (map/block/lot) for the Site parcels are as follows: parcel 61/730/324; parcel 61/730/330; parcel 61/730/334; and parcel 61/730/340.



### 2.20 CURRENT SITE USE

The Site is currently vacant but was most recently occupied by various retail businesses, storage space and commercial/state office space. According to Mr. Art Carone, property manager for the owner, the Site has always been used as a retail shopping plaza since its construction and no manufacturing or industrial activities have operated at the Site. Mr. Carone indicated he has worked at the Site for approximately one and a half years as a property manager but that the company he works for (Berenson Associates, Inc.) has managed the Site for many years (12 years or more according previous information obtained by GZA in a 2006 interview with Mr. Eugene P. O'Brien, a Berenson vice president).

A further description of current Site use is contained in Section 6.00 of this report.

### 2.30 ADJOINING PROPERTIES USE

Figure 2 indicates general usage of properties adjacent to the Site.

Bigelow Brook and then the Saint James Cemetery are located south of the Site; the Cemetery is at a higher elevation (approximately 15 to 25 feet) than the Site. The Parkade Cinema movie theatre building (formerly Hoyt's Cinemas) is located west of the Site. A large parking lot is present between the Site and the movie theatre building. Residential properties are present beyond the movie theatre building.

North and northwest of the Site is the Manchester Parkade shopping plaza, which houses numerous (approximately 30) retail stores, offices and restaurants. The portion of the Manchester Parkade plaza nearest the Site is occupied by a Stop & Shop supermarket store, the A. J. Wright clothing store, the Dollar Tree store, and the Fashion Bug clothing store. No industrial or manufacturing tenants were noted for the Manchester Parkade plaza.

At the corner of Green Manor Boulevard and Broad Street, northeast of the Site, is the American Eagle Federal Credit Union (bank). Across Green Manor Boulevard north of the Site is a building that houses a Mieneke Muffler store, a Hertz car rental store, J&M Motor Sports auto repair shop, a Subito Pizza restaurant and an Edible Arrangements store.



East of the Site across Broad Street are several auto repair and other businesses. The following businesses (from north to south) were observed adjacent to the Site across Broad Street: Former Tires International (vacant building) at 295 Broad Street; Former J&M Corvettes (vacant building) at 299 Broad Street; a vacant auto garage at 305 Broad Street; Economy Oil Change at 315 Broad Street; the Penny Saver Thrift Store at 319 Broad Street; Monro Muffler at 325 Broad Street; and Rockville Bank at 341 Broad Street (adjacent to Bigelow Brook). We note that a small building was formerly located at 331 Broad Street between Monro Muffler and Rockville Bank but that building is no longer present.

The Site wraps around the Mr. Auto Wash carwash property (344 Broad Street) at the southeast corner of the Site. South of the car wash and Bigelow Brook is an adjoining property which is occupied by Citizen's Bank at 354 Broad Street.

## 2.40 AREA USE

The Site vicinity generally consists of commercial properties along Broad Street (east of the Site), Middle Turnpike (approximately 600 feet north of the Site) and Green Manor Boulevard (adjacent to the Site to the north). Residential properties are located on side streets behind commercial properties in the vicinity of the Site. As indicated in Section 2.30, the large property south of the Site across Bigelow Brook is occupied by Saint James Cemetery.

#### 2.50 SITE UTILITIES

The Site buildings have been serviced by municipal water and sewer services since their construction in the mid 1960s to early 1980s. Natural gas meters were observed along the back of the building indicating Site buildings were most recently heated with natural gas. Town of Manchester Public Works and Engineering Department representatives confirmed the above Site utilities. The Town of Manchester Public Works and Engineering Department representatives also indicated Site vicinity properties are serviced by municipal water, sewer and natural gas utilities.

Five electrical transformers were previously observed at the Site in 2006 but were not observed by GZA during the Site walk for this assessment. Four transformers were located along the south side of the larger Site building and one transformer was located at the northwest corner of the smaller Site building. No staining or evidence of a release of transformer oil was observed by GZA in 2006 in the vicinity of these five transformers. However, the ground surface in the vicinity of the transformers could not be observed on January 24, 2011 due to snow cover.

Section 6.00 provides a further description of Site utilities.

#### 3.00 ENVIRONMENTAL SETTING

The following subsection provides information regarding the general physiographic, hydrologic and soil conditions within the Site area.

### 3.10 REGIONAL PHYSIOGRAPHY



GZA reviewed the 1997 USGS Manchester, Connecticut quadrangle topographic map to assess Site vicinity physiography. The Site is generally flat to gently sloping to the west. Area topography is generally higher to the south, east and northeast and lower to the west and northwest. On average, the Site elevation is approximately 130 to 140 feet above sea level (NGVD -National Geodetic Vertical Datum).

Bigelow Brook flows west along the south side of the Site and then turns to the northwest towards Hilliard Pond located approximately 1,200 feet northwest of the Site. Hilliard Pond discharges to the Hockanum River west of the Site and the Hockanum River eventually discharges to the Connecticut River several miles west of the Site.

GZA reviewed the "Atlas of Public Water Supply Sources and Drainage Basins" (CT DEP, 1982) (Atlas) to assess Site and Site vicinity public water supply sources. The Atlas indicates the Site is located in basin number 4500, the Hockanum River Drainage Basin, which is within the Hockanum River Regional Basin, which is within the Connecticut River Major Basin. The Atlas does not indicate public groundwater supply wells are located within an approximate 1-mile radius of the Site. The Atlas does not indicate any surface water reservoirs utilized as public surface water supplies within an approximate 1-mile radius of the Site. The nearest public supply well is located approximately 1.1 miles west of the Site and is identified as the Manchester Water Department Love Lane Well.

The nearest surface water body identified as a reservoir is Glob Hollow Reservoir located approximately 1.7 miles southeast of the Site.

### 3.20 GROUNDWATER AND SURFACE WATER CONDITIONS

Based on Site topography and information found in previous studies (see Section 5.00), Site groundwater is inferred to flow generally to the west. However, groundwater flow in the immediate vicinity of Bigelow Brook is likely to be towards the Brook. Groundwater at the west side of the Site is inferred to flow in a more westerly to northwesterly direction following the alignment of Bigelow Brook. Groundwater at the east side of the Site is inferred to flow in a more southwesterly direction towards the Brook. Geotechnical investigation of the Site by others in 2006 (data obtained by GZA during our 2006 assessment of the Site) included the installation of monitoring wells and measurement of groundwater elevations which support the inferred westerly groundwater flow direction documented in previous investigations (see Section 5.00). Subsequent references to upgradient and downgradient properties are based on the inferred westerly groundwater flow direction. We also note that localized groundwater flow directions may vary as a result of heterogeneous subsurface conditions and Site stormwater drainage systems and other subsurface utilities.

According to the Adopted Groundwater Classifications for the Connecticut River Basin (CTDEP Water Compliance Unit, 1993), the groundwater in the Site area has been assigned a classification of "GB." According to the Revisions to Connecticut's Groundwater Quality Standards (January 2011, proposed classifications published on the

CT DEP website), a GB groundwater classification is described as "ground water within a historically highly urbanized area or an area of intense industrial activity and where public water supply service is available. Such groundwater may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals or land use impacts. The Connecticut DEP goal is to prevent further degradation by preventing further discharges which could cause irreversible contamination."



According to the Water Quality Classification for the Connecticut River Basin (CT DEP website information for proposed January 2011 classifications), the Bigelow Brook has been assigned a surface water classification of "A." According to Water Quality Standards (CTDEP website data), the A classification is described as "known or presumed to meet Water Quality Criteria which support designates uses. Designated uses include potential drinking water supply; fish and wildlife habitat; recreational uses; agricultural, industrial supply and other legitimate uses, including navigation."

A CTDEP designated Aquifer Protection Area is located across Bigelow Brook approximately 1,000 feet southwest of the Site. The Aquifer Protection Area does not extend onto the study Site.

A copy of the Ground and Surface Water Quality map for the Site is provided in Appendix C.

## 3.30 SOIL AND ROCK CONDITIONS

Information from the Bedrock Geologic Map of Connecticut (Connecticut Geological and Natural History Survey, 1985) indicated that bedrock in the Site area consists of New Haven Arkose. This bedrock type is described as consisting mainly of "reddish, poorly sorted arkose (brownstone)."

According to the Surficial Materials Map of Connecticut (United States Geological Survey, 1992), the surficial geology of the Site area has been classified as sand and gravel over sand. These materials are described as being described as areas where "sand and gravel is less than 20-feet thick, horizontally bedded, and overlies thicker, inclined layers of sand".

According to information published in the New Haven County Soil Survey (U.S. Department of Agriculture, 1979) the soil in the Site area is best described as Urban Land Complex. These areas are described as consisting mainly of areas that are covered by buildings, paved roads and parking lots.

Copies of the Geologic Settings Maps and other natural resources maps are included in Appendix C.

### 4.00 HISTORICAL USE INFORMATION



GZA developed a general Site and vicinity history from ASTM Standard Historical Sources and available files at the Manchester Town Hall Offices (Building Department, Tax Assessor, Town Clerk, Engineering Department, Health Department, and Fire Marshal), from interviews of knowledgeable individuals, from previous environmental and geotechnical reports in GZA files that pertain to the Site and from database information provided by FirstSearch Technology Corporation (FirstSearch), a professional environmental data provider. A list of individuals that were interviewed is included in Section 9.00.

ASTM indicates that "all obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. ASTM further indicates that "data failure is not uncommon" when trying to establish the historical use of a property. A historical summary is provided in Section 4.10 below. Specific detail obtained from ASTM historical sources is contained in subsequent sections.

### 4.10 SITE HISTORY SUMMARY

Based on GZA's review of available Site history information, the Site vicinity has consisted of a retail shopping plaza since approximately 1966. Prior to 1966 the Site appears to have been undeveloped. Town of Manchester Tax Assessor's Office information indicates the Site is owned by FNM Manchester, LLC and that the Site buildings were constructed between 1966 and 1971. Historical resources indicate materials (soil, sand and gravel) may have been excavated from the middle of the Site to facilitate development for the current retail buildings based on changes in historical topographic contours for the Site.

As previously discussed, the Site buildings were most recently used as retail stores, storage space and office space.

Mr. Art Carone, property manager for Berenson Associates, Inc. and a representative of the owner, was interviewed by GZA for this assessment. Also, GZA interviewed Mr. Eugene O'Brien in 2006 regarding Site history and environmental issues; Mr. O'Brien had been involved in the management of the Site for 12 years in 2006. Mr. O'Brien indicated the Site buildings had been completely vacant for two to three years (as of late 2006); retail tenants started to leave the plaza when Stop & Shop moved to the adjacent parcel to the north in approximately 1992. Mr. O'Brien indicated, to the best of his knowledge, the Site had always used natural gas for heating, no USTs were present on the Site, and former transformers at the Site (removed sometime between 2006 and 2011) were owned by CL&P and had not been tested for PCBs. Mr. O'Brien had no knowledge of hazardous materials or petroleum products being used at the Site and no hazardous or petroleum wastes had been shipped from the Site with his authorization. No dry cleaners had been tenants at the Site according to Mr. O'Brien and regulatory records reviewed by GZA did not identify shipment of dry cleaning solvent wastes from the Site. Although the Parkade Laundromat was identified at the Site in 1990 in historical city directories (reviewed by GZA at the CT State Library), there is no evidence that the Parkade Laundromat conducted dry cleaning operations. No environmental liens were placed on the property (up to 2006) to the best of Mr. O'Brien's knowledge.

### 4.20 HISTORICAL CITY DIRECTORY REVIEW



On January 19, 2011, GZA field staff reviewed the City Directories on file at the State Library in Hartford, Connecticut. Directories covering the Town of Manchester were available for the years 1936 through 2010. Available directories were reviewed at approximate 5-year intervals.

The 324 Broad Street address was not listed until 1980. The following tenants were listed at this address in the City Directories: CVS (1980-1995), Marshal's (1980-1990), The Flower Store (1980), The Jewelry Shop (1980), TJ Deli & Restaurant (1980), Wild Top Clothing (1980), New England Savings Bank (1984-1990), H&R Block (1984), Command Performance (1990), FotoMat Corp. (1990), Orfitelli's Scoop & Deli (1990), Parkade Laundromat (1990) and Town & Country Jewelry (1990). GZA notes that there is no evidence that the Parkade Laundromat every conducted dry cleaning operations on-site.

The 330 Broad Street address was not listed until 1972. The following tenants were listed at this address in the City Directories: Butterfield's Department Store (1972), A. Adams Gift Shop (19972-1980), Animal World Pet Shop (1972), Flair Home Furnishings (1972-1975), Fabric Fair (1972), Scuffy Pet Center (1975), Consumer Sales Home Appliances (1975-1980), Mr. La Pizza Restaurant (1980), JoAnn Fabrics (1980), CT State Offices (social service/income dept.) (1984-1995), David's (1984), Pearl Vision Center (1984-1990), Parkade Fun Shop (1984), and Genesis Center (2000). There were no listings for this address in the 2006 or 2010 City Directories.

The 334 Broad Street address was not listed until 1970. Norman's Men's Clothing was listed at the Site in 1970. Hess Service Station, Martin Ltd Clothing and Simmon's WG Group were listed at this address 1975 and 1980. There was no listing in 1984, and Card Gallery was listed in 1990. There were no listings for this address in 1995, 2000, 2006 or 2010.

The 340 Broad Street address was not listed until 1966. From 1966 through 1980, this address was listed as King's Department Store. Bradlee's Department Store, Hobby Time and JoAnn Fabrics were listed at this address from 1984 through 1990. There were no listings for this address from 1995 through 2010.

#### 4.30 AERIAL PHOTOGRAPH REVIEW

GZA reviewed aerial photographs provided through the University of Connecticut Map and Geographic Information Center (UCONN MAGIC) for the years for the years 1934, 1991, 2004 and 2006. GZA also reviewed aerial photographs provided by Environmental Dad Resources (EDR) to further assess Site and Site vicinity use. The EDR report includes aerial photographs for the years 1957, 1967, 1977, 1989 and 1997. The following is a summary of aerial photograph observations made by GZA.

The 2006, 2004, 1997, 1991 and 1989 aerial photographs show the Site and Site vicinity properties generally as they appeared at the time of GZA's Site walk over. No significant features that might elicit environmental concern were noted in the photograph.



The 1977 aerial photograph shows the eastern most part of the Site building (location of former Stop & Shop supermarket) is not present. This part of the Site is paved and has a small structure on it adjacent to Broad Street. Other historical resources indicate the small structure is a former Hess gasoline filling station that was present on the Site. No other significant features that might elicit environmental concern were noted in the photograph.

The 1967 photograph indicates that the far west end of the Site building (former Marshall's and adjacent retail space) was under construction. The Hess gasoline station is not present at the east end of the Site; this area is a parking lot with no structures. No other significant features that might elicit environmental concern were noted in the photograph.

The 1957 photograph shows no buildings on the Site except for a small structure along Broad Street that appears to be the size of a small garage. The east side of the Site is cleared and shows features that may indicate soil, sand and gravel excavation. The west half of the Site is wooded and no structures are present. Fewer commercial structures are seen along Broad Street in the vicinity of the Site. No other significant features that might elicit environmental concern were noted in the photograph.

The 1934 aerial photograph shows the Site and surrounding areas as undeveloped wooded land. No significant features that might elicit environmental concern were noted in the photograph.

Copies of the 1934, 1991, 2004 and 2006 aerial photographs and the EDR Aerial Photograph report are included in Appendix B of the report.

### 4.40 TOPOGRAPHIC MAP REVIEW

EDR provided GZA with 1992 (revised from 1963 map), 1984 (revised from 1963 map), 1968 (revised from 1963 map) and 1963 USGS topographic maps at scales of 1:24,000 and an 1892 map at a scale of 1:62,500. Appendix E contains a copy of the EDR Historical Topographic Map Report. A discussion of historical topographic map observations made by GZA follows.

The 1992 topographic map shows the Site building and vicinity generally as they appeared at the time of GZA's Site walk over. Underlying topography (1963) shows higher elevations (10 to 20 feet above current grade) at the center of the Site. It appears this material was removed to level the Site prior to construction of the current Site buildings and parking areas.

The 1984 map shows the Site buildings without the Stop & Shop portion of the structure at the east end of the Site. A small structure that likely represents the former Hess gasoline station is shown at the east end of the Site adjacent to Broad Street.

The 1968 map shows the Site buildings without the Stop & Shop portion of the structure at the east end of the Site and without the Marshall's portion of the building at the west end of the Site. No Site structures are shown adjacent to Broad Street indicating the Hess gasoline station was likely constructed after 1968 but before 1984.



The 1963 map shows the Site as undeveloped land. A wetland/swamp area is shown at the very west side of the Site that appears to be predominantly on the adjacent property (current Hoyt's Cinemas parking area) to the west. The current car wash building, adjacent to the southeast corner of the Site, is visible. The Credit Union building adjacent to the northeast corner of the Site at the intersection of Green Manor Boulevard and Broad Street is visible. Bigelow Brook west of the Site appears to be further east than in more recent maps of the Site vicinity; the channel of the Brook may have been altered between 1963 and 1968. Topographic contours at the center of the Site appear higher than on later maps indicating possible removal of materials (soil, sand and gravel) prior to the Site being developed for the current retail buildings.

The 1892 topographic map provided by EDR shows the Site and vicinity as vacant land. No structures are shown in the area and Broad Street is not present.

### 4.50 HISTORIC ATLAS REVIEW

EDR provided GZA with Sanborn Fire Insurance maps for the Site and Site vicinity for the years 1968 and 1949. Appendix E contains a copy of the EDR Historical Sanborn Map Report. A discussion of Sanborn map observations made by GZA is as follows.

The Sanborn Maps provided by EDR do not show the entire Site. The 1949 Sanborn map indicates "no exposure" for the area west of Broad Street in the vicinity of the Site. The 1968 Sanborn map presents coverage up to 250 feet west of Broad Street but does not show the Site buildings or other structures in the vicinity of the Site that are more than 250 feet west of Broad Street. No coverage of the western part of the Site is available from EDR.

The 1968 Sanborn Map shows several businesses along Broad Street that potentially used petroleum products or hazardous materials and are potentially upgradient to the study Site based on available hydrogeological data and inferred groundwater flow direction to the south to southwest toward Bigelow Brook.

The car wash property at 344 Broad Street adjacent to the southeast corner of the Site is shown on the map. This property was formerly a Shell gasoline station and is known to have used an underground petroleum storage tank (see Section 8.20). Historical reports (see Section 5.00) for the southeast part of the study Site indicate petroleum impacts in the vicinity of the car wash parcel.

The property adjacent to the northeast corner of the Site at the corner of Green Manor Boulevard and Broad Street is identified as a Post Office and the rear of the structure on this adjacent property is labeled "truck bay". It is likely that some vehicle maintenance/repair was

performed at this adjacent parcel and chemicals and petroleum products associated with vehicle maintenance/repair were historically used here. If historical petroleum or chemical releases occurred at the Post Office property, contamination could potentially migrate onto the study Site.



Across Broad Street southeast of the study Site at 357 Broad Street is a structure identified as both a gasoline filling station and a tire sales and service company that likely used petroleum products and chemicals related to tire and automobile service. This parcel is south of Bigelow Brook and the Brook may act as a hydrogeologic barrier to contaminated groundwater migration at shallow depths in the upper aquifer. However, Bigelow Brook is not likely to act as a hydrogeologic barrier to contamination (if present) that has impacted deeper portions of the aquifers southeast of the Site. If historical petroleum releases occurred at the 375 Broad Street property, contamination could potentially impact groundwater at depth beneath the study Site.

The property at 341 Broad Street across Broad Street from the car wash property at 344 Broad Street has four large circular structures identified as "oil tanks" and appears to be the location of an oil supply company. If historical petroleum releases occurred at this property, contamination could potentially migrate onto the study Site.

The property at 325 Broad Street north of the oil company parcel is identified as a "dry cleaner". Dry cleaning chemicals released at this location could potentially migrate onto the study Site in groundwater.

The property at 319 Broad Street north of the dry cleaner parcel is identified as a sheet metal company and the rear of the building is labeled as having an "oil burner. If historical petroleum releases from the oil burner or sheet metal cutting oils occurred at this property, contamination could potentially migrate onto the study Site.

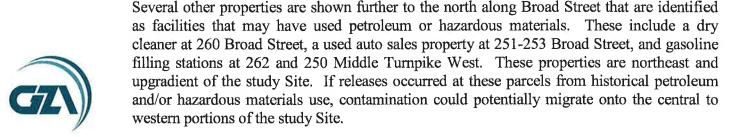
The property at 315 Broad Street north of the sheet metal company parcel is identified as a filling station and car wash. If releases occurred at this parcel from potential petroleum underground tanks and/or auto repair chemicals, contamination could potentially migrate onto the study Site.

The property at 14 Mira Road, located behind 315 and 319 Broad Street, is the location of a structure identified as a machine shop. If petroleum or chemical (solvent) releases occurred at this parcel, contamination could potentially migrate onto the study Site.

The property at 285 Broad Street, located northeast of the Site, is identified as an auto sales and service company. If releases occurred at this parcel from potential petroleum underground tanks and/or auto repair chemicals, contamination could potentially migrate onto the study Site.

The property at 290 or 294 Broad Street, located north of the eastern part of the Site across Green Manor Boulevard, is identified as an auto repair company. If releases occurred at this

parcel from potential petroleum underground tanks and/or auto repair chemicals, contamination could potentially migrate onto the study Site.



No other significant features were noted on the 1968 Sanborn map that might potentially indicate an environmental risk to the study Site.

The 1949 Sanborn Map has no coverage of properties west of Broad Street and only six commercial properties on the east side of Broad Street are shown to contain businesses and/or structures.

As on the 1968 Sanborn map, the property at 341 Broad Street has four large circular structures identified as "oil tanks" and appears to be the location of an oil supply company. If historical petroleum releases occurred at this property, contamination could potentially migrate onto the study Site. The property south of 341 Broad Street, across Bigelow Brook, is vacant. A structure is shown on the 331 Broad Street parcel but the business at this location is not identified on the map.

As on the 1968 Sanborn map, the property at 325 Broad Street north of the oil company parcel is identified as a "dry cleaner". Dry cleaning chemicals released at this location could potentially migrate onto the study Site in groundwater.

Structures are shown at 319, 301 and 295 Broad Street but the businesses at these locations are not identified on the map.

No other significant features were noted on the 1949 Sanborn map that might potentially indicate an environmental risk to the study Site.

## 4.60 TITLE SEARCH AND HISTORY OF OWNERSHIP

Completion of a title search was not included in the scope of work for this assessment. However, GZA reviewed Tax Assessor's field cards at the Town of Manchester offices to determine a basic record of ownership for the Site property.

History of ownership records were reviewed at the Manchester Tax Assessor's office. The records searched indicate the following Site ownership:

Listed Owner	Date Purchased	
FNM Manchester, LLC	4/15/04	
FNM Associates, LLS	12/31/01	
Wilder, Joel B., et al	12/30/81	



## 4.70 OTHER HISTORICAL SOURCES

GZA inquired about historical activities at the Site with the Manchester Clerk's Office, Tax Assessor's office, Building Department, Engineering Department, Health Department and Fire Department.

The Health Department noted that several minor incidents involving trash dumping (paper, building materials, and appliances) along Bigelow Brook behind the Site buildings have been reported in the past. The Health Department indicated that they did not have any records indicating significant health issues related to the reported dumping and no follow up actions were taken by the Town of Manchester other than requiring the property owner to remove the noted trash. Isolated pieces of trash were observed by GZA behind the Site buildings. However, GZA did not observe significant quantities of trash that could be described as "dumping areas" that require clean up. Any "dumping" noted in Health Department records appears to have been removed from the Site.

The Health Department provided a CTDEP Oil and Chemical Spills Emergency Incident Report for the Site that documented dumping of sheet rock and building materials into Bigelow Brook behind the Site buildings on September 5, 2003. The report notes that the person dumping the materials was detained and the police were called but no clean up measures are identified in the report. GZA did not observe the building materials noted in the 2003 report during the Site reconnaissance.

No other information that would indicate the presence of RECs at the Site were identified in the records searched at the Manchester municipal offices.

### 5.00 PREVIOUS SITE INVESTIGATIONS

GZA reviewed multiple historical environmental reports for the Site. The available reports are summarized below.

Environmental Site Assessment, Broad Street Parkade, Manchester, Connecticut, by Heynen Teale Engineers (HTE) of Guilford, CT, dated March 20, 1992.

The 1992 HTE Phase I report indicated both on-Site and off-Site conditions that might impact the environmental quality of the study Site. On-Site RECs noted in this report include the presence of leaking USTs at a former Hess gasoline service station adjacent to Broad Street and potential solid waste disposal at a historical Manchester landfill that reportedly was located off Broad Street. (GZA notes regulatory research for our current

Phase I Site Assessment indicates no solid waste dumping on the study Site but potential historical solid waste dumping east of Broad Street in the vicinity of 315 Broad Street.)

The report notes approximately 4,000 cubic yards of petroleum impacted soil were excavated from the Hess property adjacent to the current Mr. Auto Wash property at 344 Broad Street. At the time of the Hess soil remediation, the 344 Broad Street property was a Shell gasoline station with three 10,000-gallon USTs.

The report indicates there is not enough evidence to conclude the Site's status as an "establishment" under the Connecticut Property Transfer Act.

The HTE report indicates adjacent properties with reported environmental conditions that could potentially migrate onto the study Site in groundwater include: Sears Automotive located north of the east side of the study Site; Nichols Auto Body located northeast of the Site along Broad Street; Oak Grove Furniture Refinishing located northeast of the Site along Broad Street; Speedy Muffler King located northeast of the Site along Broad Street; Pennzoil 10-Minute Economy Oil Change located east of the Site along Broad Street; The Restoration Shop located east of the Site along Broad Street; and Capitol Tire/Goodyear Auto Service located east of the Site along Broad Street.

The HTE report recommends that a complete asbestos containing materials survey be completed for the Site if demolition of buildings is planned.

The HTE report also recommends that subsurface investigation including soil vapor and groundwater testing be completed to assess the east end of the Site where the former Hess gasoline station was located.

<u>Phase II Environmental Site Assessment, Broad Street Parkade, 330 Broad Street Manchester, Connecticut, by Heynen Teale Engineers (HTE) of Guilford, CT, dated June 23, 1993.</u>

The HTE Phase II report documents soil and groundwater testing (no soil vapor testing is reported) in the vicinity of the former Hess gasoline station. Four soil borings were installed on May 21, 1993 and monitoring wells were constructed in each of the four borings. Groundwater samples were collected from the four wells on April 27, 1993 and no floating petroleum product was observed in the monitoring wells at the time of sample collection. Soils consisted of red-brown, sand, gravel and silt; no bedrock or fill materials were reportedly encountered during the drilling. Groundwater was found at approximately 4 to 8 feet below grade. One soil sample contained 560 mg/kg petroleum hydrocarbons and no VOCs or RCRA-8 metals were detected in soil samples by laboratory analysis. The following VOCs were detected in groundwater at low concentrations: trichloroethylene (highest concentration was 20  $\mu$ g/L), tetrachloroethylene (highest concentration was 8  $\mu$ g/L), 1,2-dichloroethylene (highest concentration was 2  $\mu$ g/L).



The HTE Phase II report indicates that the Site is in a GB Classified groundwater area and that the Manchester Health Department reported no public or private water supply wells within a mile of the Site. We note that GZA's research also indicated that no public or private water supply wells are currently located within a mile of the Site.



According to HTE, chlorinated VOCs detected in groundwater from HTE wells MW-2 and MW-4 could be attributed to either an on-Site or off-Site source but the concentrations of VOCs in groundwater "are not considered to be a human health threat" because the Site is in a GB Classified area and no area water supply wells are identified by local regulatory officials that were interviewed by HTE. GZA reviewed the "Atlas of Public Water Supply Sources and Drainage Basins" (CT DEP, 1982) (Atlas) to assess Site and Site vicinity public water supply sources. The Atlas does not indicate public groundwater supply wells are located within an approximate 1-mile radius of the Site.

No recommendations for further site investigation were presented in this Phase II report. GZA notes that the HTE monitoring wells were not observed at the Site in 2006 and these previous wells were likely destroyed sometime prior to 2006.

<u>Subsurface Investigation Report, Site B, Manchester, Connecticut</u>, by ABB Environmental Services, Inc. (ABB) of Middletown, CT, dated September 9, 1994.

The ABB investigation was completed to assess the extent of previously detected VOCs in groundwater (see review of HTE reports above) and to assess the quality of soils in the vicinity of the former Marshall's retail space in preparation for proposed Site redevelopment. Concentrations of VOCs similar to those detected during the previous 1993 HTE investigation were detected by ABB in 1994. Concentrations of trichloroethylene up to 22  $\mu$ g/L were detected in groundwater by ABB and groundwater flow was inferred to be to the south (towards Bigelow Brook) beneath eastern portions of the Site and to the west beneath northern and western portions of the Site.

ABB indicated that they did not detect an on-Site source for VOC impacts to groundwater during their investigation. Chlorinated VOCs were detected in groundwater from the north side of the Site to the area in front of the former Marshall's retail space at concentrations similar to previous (HTE) investigations. ABB indicated "The detection of VOCs in groundwater do not represent an imminent threat to human health or the environment." Weathered fuel oil residue was detected between the two Site buildings during the ABB study. The area is reported as a "limited" area at the water table and impacts could extend to the west and south of the ABB borings in this area according to ABB's analysis of the data. GZA notes that a release of hydraulic oil or motor oil was observed beneath a front end loader parked in a fenced area just west of the ABB borings where fuel oil was detected (see Section 6.10.4).

ABB did not recommend any remedial measures to address VOCs in groundwater and they indicated that VOCs in groundwater that reached Bigelow Brook would likely be diluted and would not be a risk to surface water quality.

ABB recommended an additional groundwater monitoring well west of the Marshall's retail space to assess the extent of VOCs in this direction. Also, ABB indicated that additional water quality information would be needed prior to any on-Site dewatering for redevelopment; pretreatment of pumped groundwater was anticipated by ABB considering the VOCs detected in groundwater to date.



No other recommendations for investigation or remediation were presented by ABB in their report.

<u>Hazardous Building Materials Inspection Report For Broad Street, Manchester, Connecticut</u>, by Eagle Environmental, Inc. (Eagle) of Bristol, CT, dated December 2, 2005.

And.

<u>Pre-demolition Environmental Building Assessment</u> letter dated May 1, 2005 from Fuss & O'Neill (F&O) of Manchester, Connecticut to FNM Associates Manchester, LLC.

In 2006, GZA Associate Principal John Pilling, completed a walk-through of Site buildings (September 12, 2006) and subsequently reviewed the above referenced Eagle report and F&O letter. The report and letter included an assessment of a movie theatre property west of the study Site which is considered a downgradient adjacent property for GZA's current Phase I Site Assessment. Also, the Eagle and F&O assessments did not include the Site building space most recently occupied by State of Connecticut offices (southwest corner of Site buildings) because no access was provided at the time of their assessment.

The F&O letter indicates they walked accessible portions of the Site buildings interiors and a limited review of exterior portions of the Site to identify hazardous materials. The F&O letter indicates minor cleaning chemicals and a few containers of paint were identified along with one partially full bucket of roofing cement, two gallon containers of oil, one quart of oil and a garbage can with empty spray paint cans. F&O recommended that the materials identified be removed from the Site for disposal. GZA observed that the materials identified were still in the buildings on September 12, 2006.

F&O also indicated that they noted six electrical transformers when walking the exterior portions of the Site. F&O recommended that the property owner contact the power company about removal of the transformers if this is necessary during Site redevelopment. No other F&O recommendations are given in the letter. F&O reviews the Eagle report findings at the end of their letter.

The Eagle report presents their findings on asbestos containing materials, lead based paint, PCB and DEHP containing light ballasts, mercury vapor lamps, thermostatic controls with capacitors and Freon bearing equipment noted in Site buildings. An accounting of hazardous materials observed and tested is provided by Eagle in their report. Recommendations for removal of hazardous building materials with cost estimates for removal and monitoring are also presented in the Eagle report. Hazardous materials

observed by Eagle at the Site included asbestos containing materials, low levels of lead based paint, PCB and DEHP containing light ballasts, mercury vapor lamps, thermostatic controls with capacitors and Freon bearing equipment.



After review of the Eagle report and F&O letter, GZA notes that Eagle's survey does not currently comply with federal and state sampling requirements of all materials identified during their survey. Numerous materials currently classified as non-ACM by Eagle have been identified using only one sample. Regulations indicate "miscellaneous materials" (flooring, roofing, caulking, etc.) require a minimum of two samples to be properly classified as a non-ACM. Also, for certain non-friable materials (flooring, roofing, caulking), negative results obtained by polarized light microscopy (method used for most samples collected during the Eagle survey), transmission electron microscopy is recommended to confirm these initially negative sample results. Eagle did not confirm all negative non-friable materials using electron microscopy.

Certain hazardous building materials do not appear to be addressed (batteries, hydraulic door stops containing oils/PCBs, mercury switches in water heaters, CFCs in water fountains, HVAC compressor oils-PCBs, general equipment oils). These Site building materials should be inventoried and included in removal and cost estimates.

Four foot fluorescent light fixtures that contain 4 lamps typically utilize two ballasts, rather than one. It is unclear in the Eagle report whether Eagle accounted for this in their inventory and cost estimates. Eagle should be contacted to confirm the accounting process used to define the number of light ballasts at the Site and Eagle's scope of work and cost estimates should be adjusted, if necessary.

Additional suspect ACMs not addressed in the Eagle report include: sprayed-on fireproofing, mastic underneath fiberglass on HVAC units, stair treads/mastics, terrazzo floors, wall panels mastics (more present than currently addressed), mirror glue, glue on columns (potential), expansion joint filler board/mastic, exterior paint, the possibility of ACMs behind stone Bradlees façade and vacant suites wood siding, exterior cooler at S&S, multiple sheetrock/joint compound history in Marshall's building, laminate panel glue, concrete skim coat at Marshall's foundation wall and sub-surface damp-proofing on exterior foundation walls. These items should be inventoried prior to building demolition.

Eagle reported that they collected and analyzed composite samples of sheetrock/joint compound during their study. Although the State of Connecticut and the USEPA allow for composite samples of sheetrock/joint compound to be collected, OSHA does not recognize this practice. Some of the composite samples collected at the Site by Eagle contained trace (<1%) levels of asbestos. This could mean that some of the Site building joint compounds contain asbestos at levels >1%. The Eagle report does not indicate that discrete sheetrock/joint compound samples were collected or analyzed. In order to prevent a release of asbestos fibers during Site building demolition, additional discrete sheetrock/joint compound samples should be collected and analyzed to confirm the presence/absence of asbestos in these materials.

## Additional Soil and Groundwater Data from GZA Files, 2006.

GZA conducted subsurface soil and groundwater testing at the Site in 2006 for a confidential client that has given GZA permission to include that data in the current Phase I Environmental Site Assessment of the Site for the Town of Manchester.



Between November 27, 2006 and December 12, 2006, GZA collected sixteen (16) soil samples, three (3) surface water and stream sediment samples, and fifteen (15) groundwater samples for analysis. A brief summary of the rationale for soil boring and groundwater monitoring well locations is presented below along with identification of the analytical parameters for each area:

- Four shallow (0-1') soil borings were located adjacent to transformers T-1, T-2, T-3 and T-5 and analyzed for PCBs and ETPH.
- Two borings (TC-1 and TC-2) were located adjacent to the trash compactors and samples from TC-2 were analyzed for PCBs and ETPH.
- Two borings were located adjacent to the loading dock lifts (L-1 and L-2) and samples from L-2 were analyzed for PCBs and ETPH.
- Borings FL-1 and FL-2 were completed near the former front-end loader area and analyzed for PCBs and ETPH.
- Four deeper (+15) soil borings were located in the vicinity of the former Hess service station (FHS-1, FHS-2, FHS-3 and MW-11). Two samples from each boring were analyzed for PCBs and ETPH.
- Three additional groundwater monitoring wells (MW-10, MW-11 and MW-12) were installed on Site.
- Fifteen groundwater samples were extracted from pre-existing and recently installed monitoring wells. Monitoring wells MW-1, MW-4, MW-9 and MW-11 were analyzed for VOCs, PAHs, ETPH, and PP-13 metals; and wells MW-2, MW-3, MW-5, MW-6, MW-7, MW-10, MW-12, MW-13, MW-14, MW-15, and MW-16 were analyzed for VOCs alone
- Three surface water and three stream sediment samples were collected from Bigelow Brook along the south side of the Site. Samples were collected near the culvert at Broad Street (SW-1 and SED-1), near a stormwater outfall (SW-2 and SED-2) to the Brook approximately 650 feet west (downstream) of the Broad Street culvert and at a location where the western Site property line crosses the Brook (SW-3 and SED-3). Surface water and sediment samples were analyzed for VOCs, ETPH, semi-volatile organic compounds (SVOCs) and PP-13 metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) as well as nitrate, nitrite, ammonia, TKN, total phosphorous and suspended solids.

GZA soil boring and monitoring well locations are shown on Figure 3, attached. Monitoring well construction information, soil analytical data, groundwater analytical data, stream sediment data and stream surface water data are included in Tables 1 through 5, attached. Also, boring logs and well construction logs are included in Appendix D.

Laboratory data shows that constituents associated with activities at the former Service Station were not detected in samples taken from both the Station footprint as well as from areas further down-gradient where contamination could likely have migrated.



Laboratory analysis of both soil and groundwater samples collected at locations adjacent to a parked front-end loader (where surficial staining and dripping engine fluids were observed in 2006) indicated low level petroleum constituents, below RSR criteria. It is GZA's opinion that a small volume of soil in this area may exhibit localized petroleum impacts that would require appropriate management during Site redevelopment based on our 2006 observations of surficial stains on pavement. However, the volume of soil requiring remediation and disposal is not expected to be significant based on the available soil and groundwater data.

In 2006, laboratory analysis of both soil and groundwater samples collected next to on-Site transformers, the hydraulic trash compactor and hydraulic lifts indicated no significant petroleum impacts. No PCBs were detected in soil samples adjacent to transformers and hydraulic lifts.

Surface water and stream sediment samples were taken to provide a baseline for water flowing to the Site and sediments being deposited on the Site. Low levels of VOCs were detected adjacent to the central stormwater outfall to the stream. The detected constituents and concentrations are similar to those detected throughout the Site in groundwater. It is likely that the Site stormwater piping intercepts the water table thus creating a preferred migration pathway along the pipe bedding material and directing groundwater discharge to surface water the outfall location. Further down gradient, VOC levels in surface water are non-detectable, indicating attenuation (likely due to volatilization of the materials) is occurring as a result of the flow in the stream.

The low concentrations of VOCs detected in 2006 in groundwater samples from monitoring wells do not exceed groundwater RSR criteria. Based on the widespread distribution VOCs at low concentrations and detection of VOCs in upgradient wells near the property line, it was likely that the source for the detected VOCs was off-Site. Concentrations of VOCs appear to be lower than those detected from wells previously sampled on the Site during prior studies. Based on groundwater levels recorded at the Site, groundwater flow is inferred to be towards westerly across most of the Site. In the western portion of the Site the flow trends to the northwest, possibly flowing along a former stream channel; we note that historical topographic maps show the location of Bigelow Brook further to the north. Near Bigelow Brook, groundwater flow appears to be south towards the Brook.

The Site did not appear to be subject to the Connecticut Property Transfer Act in 2006 and was not under a current DEP Order to abate pollution. Therefore, no action was required to comply with regulatory requirements at that time. Although low concentrations of certain contaminants were detected in soil, groundwater, stream sediment and surface water at the Site, concentrations were generally well below established criteria and no significant on-Site sources of contamination were identified.



In certain areas of the Site, there is potential for encountering residual shallow petroleum impacted soils related to transformers, previously leaking equipment (front end loader) or previous gas station activities (former Hess station). Based on the potential for small amounts of petroleum impacted soil, it would be prudent to plan for management of impacted soil during redevelopment activities. Also, low level groundwater contamination was detected at the Site and future Site redevelopment activities that require dewatering would likely require a permit for discharge of contaminated groundwater. Pumped groundwater may require treatment and monitoring for compliance with permit conditions.

Also in 2006, concurrent with GZA's environmental assessment, soil borings were completed by a confidential developer to assess the geotechnical features of the Site. More than 50 soil borings were completed at the Site as part of the geotechnical study. GZA was given permission to use the geotechnical soil boring logs in completing this current study. The geotechnical boring logs are included in Appendix C. Low level VOCs were identified in soils at the water table in certain soil borings and the detections are consistent with GZA's groundwater analytical data. Soil boring logs from the geotechnical study do not indicate evidence of solid waste fill at the Site. This is consistent with other historical information that indicates no evidence of landfilling activities at the Site.

## 6.00 SITE RECONNAISSANCE AND INTERVIEWS

The purpose of GZA's Site reconnaissance was to make surficial observations for evidence of RECs that could result in the presence of hazardous materials or petroleum products in the environment. The Site reconnaissance portion of the Phase I investigation was conducted by Mr. Benjamin A. Graham, GZA Environmental Scientist, on January 24, 2011. During the Site visit, GZA was unaccompanied. GZA interviewed by telephone Mr. Art Carone, the current property manager, regarding his knowledge of current and past Site operations, petroleum/chemical storage practices and on-Site usage and/or management of hazardous materials. Mr. Carone stated that his knowledge of Site history is limited because he has only been in the position of property manager for approximately five and a half years for this Site.

The Site is accessed by driveways off Broad Street and Green Manor Boulevard. Paved parking areas are found north of the Site buildings. Access driveways and delivery areas are found behind the Site buildings on the south and west sides of the Site. The parking areas slope gently to the south and west towards Bigelow Brook. Site stormwater is directed to catch basins located in the parking area and storm drains are also present along Broad Street and Green Manor Boulevard. Town of Manchester officials indicated that storm drains discharge to Bigelow Brook. Two stormwater outfalls to Bigelow Brook are located on the Site.

Observations of accessible areas were documented and pertinent features or areas of environmental concern were photographed and are referenced in the text. Photographs are included in Appendix B and pertinent Site features are documented on Figure 2. A summary of GZA's observations is presented below. GZA notes that the parking lots and

paved areas were covered with large piles of snow and were not plowed and other unpaved areas of the Site were covered with several feet of snowfall at the time of our Site visit.

### 6.10 EXTERIOR OBSERVATIONS

## 6.10.1 Underground Storage Tanks (USTs)



No surficial evidence of USTs (i.e., fill ports, vent pipes, pavement repairs, etc.) was observed during the exterior Site reconnaissance. Mr. Carone indicated that, to the best of his knowledge, there have never been any USTs in use at the Site.

## 6.10.2 Aboveground Storage Tanks (ASTs)

GZA did not observe evidence of ASTs at the Site and none were reported by Mr. Carone.

## 6.10.3 Hazardous Substances or Petroleum Products Use

A trash compactor with an oil reservoir was noted outside the southeast corner of the former Bradlee's portion of the Site building. The compactor reservoir appeared to have an approximately 50-gallon capacity (square metal tank attached to the compactor). GZA did not observe leakage around the compactor or reservoir; however, a good portion of the compactor and the ground surface around the compactor was covered with ice and snow at the time of the Site reconnaissance.

No other petroleum or hazardous substance use or storage was identified at exterior parts of the Site.

### 6.10.4 Staining

No significant surficial staining was noted at the Site during GZA's exterior Site reconnaissance. However, GZA was unable to look for visual evidence of surficial staining over the majority of the Site due to several feet of snow and ice covering the Site.

GZA notes that a 2006 Site reconnaissance by GZA indentified typical parking lot staining at the Site, but none of the stains appeared to indicate a significant release that would elicit environmental concern other than engine fluids dripping from a front end loader at the southwest corner of the Site next to the former Marshall's store. Soils in the area of the observed staining were sampled and analyzed; no petroleum constituents or PCBs were detected in the samples collected in 2006.

## 6.10.5 Electrical Transformers/Equipment

GZA did not observe any electrical transformers during the Site reconnaissance.

During a 2006 Site reconnaissance by GZA, five (5) pad-mounted electrical transformers were observed at the Site. The concrete pads and paved surfaces below and around the transformers did not appear stained. Four of the transformers had labels indicating they are owned by Connecticut Light and Power (CL&P). None of the transformers had labels identifying their PCB content. The table below summarizes GZA transformer observations from 2006.



Map ID	Location	Owner Label	PCB Label	Staining in Vicinity
T-1	Southwest corner property	CL&P #1682	None	None
T-2	South side center retail	CL&P #1386	None	None
T-3	South side Bradlee's	CL&P #1393	None	None
T-4	South side Stop & Shop	CL&P #2760	None	None
T-5	Northwest corner property	None	None	None

GZA contacted Mr. Tom Lawton of CL&P to inquire about the PCB content of oil in the observed transformers. Mr. Lawton confirmed CL&P ownership of the five on-Site transformers and reported that transformer T-4 has an interior label indicating oil inside the transformer is less than 1 ppm PCBs. The PCB concentration of oil in the other four transformers at the Site was not known by CL&P. Mr. Lawton indicated that, based on the age of the transformers, they are likely to contain oil that has concentrations of 50 to 500 mg/kg PCBs. Mr. Lawton indicated that he observed the five transformers on the Site and that he did not observe any evidence of a release of oil. Shallow soil samples collected in 2006 by GZA near four of the five transformers (T-1, T-2, T-3 and T-5) indicated no PCBs detected, trace petroleum in sample T-2 and very low level petroleum (below regulatory criteria) in sample T-5.

It appears the transformers were removed from the Site between 2006 and 2011 but no documentation (other than a spills report and cleanup for one transformer described in Section 8.00 of this report) is available in public records searched by GZA.

## 6.10.6 Drywells and Sumps

GZA did not observe drywells or sumps during the Site reconnaissance. Mr. Carone indicated that, to the best of his knowledge, no drywells or sumps have historically been used/located on the Site.

### 6.10.7 Pits, Ponds, and Lagoons

No pits, ponds or lagoons associated with waste disposal were observed at the Site.

## 6.10.8 Wells

No evidence of current or former on-Site water supply wells was observed at the Site and none were reported by Mr. Carone. Local municipal records indicate the Site is currently connected to the municipal public water supply system.

During the 2006 Site reconnaissance, GZA observed several flush mounted, protective steel casings for PVC monitoring wells at the Site. The locations of the monitoring wells corresponded with the locations indicated in the ABB 1994 Subsurface Investigation Report (see Section 5.00).



Due to snowfall and the fact that the paved areas of the Site have not been plowed, GZA was unable to locate any of the aforementioned groundwater monitoring wells during the 2011 Site reconnaissance.

### 6.10.9 Solid Waste

No solid waste containers were observed at the Site. Mr. Carone indicated that the Site did not have tenants at this time and that solid waste disposal service was not necessary. Mr. Carone indicated that small amounts of trash are sometimes illegally dumped behind the Site buildings but that these incidents are infrequent and are cleaned up by his management company. During the 2006 Site reconnaissance, GZA observed minor amounts of trash (paper, cardboard, discarded bottles and cans, clothing, and various scrap) adjacent or in Bigelow Brook at the south side of the Site. No hazardous materials or petroleum containing items were observed and no oil sheen was noted on the surface water of the brook. Due to the snow and ice cover, GZA was unable to visually inspect the stream bed for signs of dumping during the 2011 Site reconnaissance.

## 6.10.10 Septic Systems

GZA did not observe evidence of septic systems during the Site reconnaissance. Based on available information, the Site and Site vicinity are serviced by the Manchester municipal sewer system. Mr. Carone indicated that, to the best of his knowledge, the Site had always been connected to the municipal sewer system.

### 6.10.11 Stressed Vegetation

No stressed vegetation was observed on the Site exterior; however, due to the snow and ice ground cover, the inspection area for stressed vegetation was extremely limited.

Mr. Carone indicated that there is very little vegetation on the Site except for small landscaped areas at the northwest corner of the Site and the area adjacent to Bigelow Brook and that his management company uses small amounts of herbicide to keep weeds down in the Site parking areas and adjacent to the Site buildings. Mr. Carone indicated that no herbicides or pesticides are stored on the Site and that the materials that are used for weed control are applied per the instructions on the packaging. Mr. Carone was not aware of any historic spills of pesticides or herbicides on the Site.

## 6.10.12 Soil/Water Sampling



No subsurface exploration or chemical analysis has been included as part of GZA's scope of services for this assessment. Information regarding subsurface conditions at the Site is provided in Section 5.00, which documents previous subsurface investigation data obtained by GZA. Additional testing, if necessary, could be obtained by traditional subsurface exploration techniques and the collection and chemical analysis of soil and water samples. Subsurface conditions encountered in previous environmental studies at the Site are described in Section 5.00.

## 6.10.13 Oil/Water Separators

No evidence of oil water separators was observed at the Site and no oil/water separators were reported by Mr. Carone.

## 6.10.14 Surface Water Runoff

According to Mr. Carone, Site storm water is directed to catch basins located in the paved driveway/parking areas of the Site. Two stormwater outlets to Bigelow Brook were identified along the south side of the Site during the 2006 Site reconnaissance. It was Mr. Carone's opinion that all Site catch basins discharge to Bigelow Brook through the Town of Manchester storm sewer system.

## 6.10.15 Other Observations

GZA observed the Site's natural gas connection along the northern wall of the Site building exterior.

GZA noted general good housekeeping on the Site exterior during the Site reconnaissance. No trash piles or abandoned vehicles were noted, although snow cover obscured observations of the ground surface in most areas.

No other significant environmental conditions were observed by GZA during the Site reconnaissance.

### 6.20 INTERIOR OBSERVATIONS

The interior of the Site including occupied areas and storage areas was visually assessed for evidence of Recognized Environmental Conditions. The conditions observed are presented below.

Two Site buildings are present. Together the two Site buildings cover an "L" shaped area along the south and west sides of the generally rectangular shaped property. The first and larger building runs along the south side of the Site and the second, smaller building, which is separated from the first by a partially roofed alley, extends along the west side of the Site.

The east end of the larger building was formerly occupied by a Stop & Shop supermarket and Bradlee's department store (see Figure 2). The south end of the second, smaller building was formerly occupied by a Marshall's clothing store. Other spaces in the Site buildings were smaller retail stores or office space according to Mr. Carone and information found in other historical resources.



Observation of interior Site conditions was limited as there was no power (and therefore no lighting) in any of the units, and three of the retail units in the center of the southern Site building and the southern portion of the western building (former Marshal's) were locked and inaccessible. We note that Mr. Carone indicated the Site buildings have been vacant and boarded shut since GZA's prior assessment in 2006.

### 6.20.1 Construction

The Site buildings are concrete block construction with poured concrete slab foundations; no basement spaces are present according to Mr. Carone. Most large retail spaces are separated by concrete block walls and the concrete interior walls define where the building was added onto between the original construction in 1966 and subsequent construction in 1971. Some of the smaller retail spaces are separated by wood or metal framed walls covered with sheetrock. Parts of the front of the building are surfaced with brick veneer.

The buildings have flat, built up membrane roofs according to Mr. Carone. GZA did not access the roof tops during our Site visit. Many of the retail spaces exhibited water damage to ceilings/roofs and water leaks; roofs appear to be structurally unsound at this time. Certain retail spaces were very damp due to roof leaks and significant mold was observed on the floor, walls and ceilings of most of the retail spaces. The small retail spaces at the center of the first, larger building appeared to have the most water damage and mold growth.

The former large retail spaces contain mostly tiled floors and ceilings finished with suspended ceiling tile. Smaller retail and office spaces also have suspended ceiling tile ceilings but are typically carpeted. The foyer at the center of the second, smaller Site building is ceramic tile. Ceramic tiles are present at the former food preparation areas of the former Stop & Shop supermarket space at the east end of the first, larger Site building.

## 6.20.2 Heating and Cooling

The Site buildings are currently vacant and not heated or cooled. The retail spaces that formerly occupied the Site buildings utilized natural gas boilers and rooftop air conditioning units. Boilers, air conditioning units, and air handlers for the former retail spaces were located throughout the Site buildings. GZA did not access the roof area during the Site reconnaissance. Mr. Carone was not aware of the Site buildings ever being heated with oil.

### 6.20.3 Current Site Use



As discussed above, the Site buildings were formerly used as retail stores. Parkade Laundromat was identified at the Site (324 Broad Street) in the 1990 historic City Directory. However, GZA did not obtain any information which would indicate the dry cleaning was conducted on-site. No evidence of dry cleaning or other businesses that might use hazardous materials or petroleum products was noted in historical resources reviewed by GZA and no evidence was observed during our Site visit that would indicate the use or storage of hazardous materials or petroleum products within the retail spaces, other than "deminimis" quantities of consumer products or cleaning products in former retail stores. No maintenance or repair shops were identified in the Site buildings.

## 6.20.4 Chemical Use and Storage Areas

GZA did not note any chemical use or storage areas in any of the retail spaces within the Site buildings. A few bottles and cans of cleaning products were observed in some of the retail spaces but no releases were noted.

### 6.20.5 Stains or Corrosion

As indicated in Section 6.20.1 above ceilings, walls and floors of many of the former retail spaces were stained and/or exhibited mold due to water infiltration from the roof. No other interior staining was observed that would elicit environmental concern.

# 6.20.6 Floor Drains or Sumps

GZA observed several floor drains in the bathrooms of the former retail stores and several floor drains throughout the former Stop & Shop unit. Mr. Carone indicated that the floor drains were connected to the sanitary sewer system. No staining or odors were detected in the vicinity of the floor drains and no evidence of a release of hazardous materials or petroleum products to the floor drains was noted by GZA.

### 6.20.7 Other Observations

GZA did not have access to the former Marshall's unit during the 2011 Site reconnaissance. However, during the 2006 Site reconnaissance, GZA observed fluorescent light ballasts inside the former Marshall's retail space. Some of the light ballasts were stacked on the floor without containment, others were found in cardboard boxes and in plastic buckets. The PCB content of the ballasts could not be determined by the labels on the ballasts. Light ballasts can contain PCBs and they should be properly managed and disposed. Mr. Carone did not have any information concerning the light ballasts. GZA did not observe staining on the floor in the vicinity of the light ballasts and no release of hazardous materials was indicated. We note that the Town of Manchester has contracted with others to do a hazardous building materials survey for the Site which we understand will be submitted to the Town under separate cover.

No other observations were noted during the interior Site reconnaissance that might elicit environmental concern.

### 7.00 VICINITY RECONNAISSANCE



As part of GZA's site assessment, a reconnaissance of properties adjoining the Site, as well as the vicinity within an approximately one quarter mile of the Site, was conducted from public properties. The result of GZA's Site vicinity reconnaissance is presented below.

## 7.10 HAZARDOUS MATERIALS USE AT ADJOINING PROPERTIES

Based on GZA's observations of current uses of, and activities at, vicinity properties, properties likely to store, sell and/or use hazardous materials and/or petroleum products include:

Nearby and Adjacent Property Use/Occupant (environmental concern)	Address	Location Relative to Site	Location Relative to Inferred Groundwater Flow
Mr. Auto Wash car wash (use of heating oil and detergents)	344 Broad St.	East	Cross gradient
Monro Muffler (use of oil and other auto fluids)	325 Broad St.	East	Cross to Upgradient
Economy Auto (use of oil and other auto fluids)	315 Broad St.	East	Upgradient
Vacant auto repair garage (former use of gasoline, oil and other auto fluids)	301 Broad St.	East	Upgradient
Vacant garage (Former J&M Corvettes) (use of gasoline, oil and other auto fluids)	299 Broad St.	Northeast	Upgradient
Meineke Muffler (use of oil and other auto fluids)	290 Broad St.	Northeast	Upgradient
J&M Motor Sports (former Vernon Collision Center) (use of oil, paints, solvents and other auto fluids)	290 Broad St.	Northeast	Upgradient
Hertz Rental Car (storage of oil and other auto fluids in vehicles)	290 Broad St.	Northeast	Upgradient
Frank's Auto Center (use of oil and other auto fluids)	285 Broad Street	Northeast	Upgradient

Other adjoining properties are a cemetery (across Bigelow Brook to the south), residential properties (across Bigelow Brook to the south) and other commercial uses (east, north and west) that are not likely to use chemicals or petroleum products. However, we note it is possible any of these other adjoining properties could potentially use or store heating oil in a manner that would not be evident during an area reconnaissance.

## 7.20 VICINITY PROPERTIES AND USE



Properties within an approximate ¼-mile of the Site consist generally of mixed single and multi-family residences and commercial businesses. Commercial businesses are found along main roads in the vicinity of the Site which include Broad Street, West Middle Turnpike and Green Manor Boulevard. Residential properties are found on side streets east, north, and west of the Site. Saint James Cemetery is a large property located south of the Site across Bigelow Brook.

Based on review of a database of tenants for the adjacent shopping mall (Manchester Parkade shopping plaza) north of the Site, dry cleaning may have taken place at this nearby crossgradient to downgradient property. Also, dry cleaners are present at 299 and 356 West Middle Turnpike properties located north of the Site in a crossgradient direction.

Three gasoline filling stations (Getty, Shell, Mobil) are located at or near the intersection of Broad Street and West Middle Turnpike approximately 1,000 feet northeast of the Site in an upgradient to crossgradient direction.

#### 8.00 REGULATORY DATABASE REVIEW

The following section summarizes publicly available information obtained from FirstSearch Technology Corporation (FirstSearch) and from various Federal, State, Tribal and local agencies that maintain environmental regulatory databases. These databases provide information about the regulatory status of a property and incidents involving use, storage, spilling or transportation of oil or hazardous materials. Appendix E contains a copy of the January 17, 2011 FirstSearch report for the Site and Site vicinity.

### 8.10 FEDERAL AGENCY DATABASES

Site and Site vicinity information from ASTM-required Federal databases was provided by FirstSearch and reviewed by GZA. The ASTM databases reviewed, the date of the most recent update of the database and the approximate search radius distances used are presented below.



ASTM Standard Database	Date	Radius Searched
National Priorities List (NPL) and Proposed NPL facilities	10/21/2010	1.0-mile
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	11/30/2010	0.50-mile
CERCLIS-No Further Remedial Action Planned (NFRAP) Site listings	11/30/2010	0.50-mile
Resource Conservation and Recovery Information System, Large and Small Generator Databases (RCRA GEN)	11/10/2010	0.25-mile
RCRA Treatment, Storage or Disposal Facility Database (RCRA TSD)	11/10/2010	0.50-mile
RCRA No Longer Regulated (RCRA NLR)	11/10/2010	0.25-mile
Emergency Response Notification System (ERNS) Database	10/21/2010	0.25-mile
RCRA-TSDs Subject to Corrective Action (CORRACTS)	11/10/2010	1.0-mile
Federal Institutional/Engineering Controls Registry	11/4/2010	0.50-mile
Federal Brownfields	10/1/2010	0.50-mile

## Site

The Site was not listed in any of the Federal databases searched by FirstSearch and reviewed by GZA. State database listings for the Site are discussed in Section 8.20.

### Off-Site

FirstSearch listed one (1) CERCLIS site within ½-mile of the Site, one (1) CORRACTS site greater than ½-mile from the Site, eight (8) RCRA-GEN sites within a ¼-mile of the Site, three (3) RCRA-NLR site within ¼-mile of the Site, and three (3) ERNS sites within ¼-mile of the Site.

The closest listed property to the Site is Stop & Shop, located at 286 Broad Street and neighboring the Site to the north on the other side of Green Manor Boulevard. This property is listed in the ERNS and RCRA-GEN database. According to the FirstSearch report, on January 15, 1995, an employee vehicle leaked 10-gallons of gasoline due to a failed tank. The discharge was secured and a boom was deployed. A contractor was hired for clean-up. This property is also listed as a small quantity generator of hazardous waste (generates 100-1,000 kilograms of waste per month). The hazardous waste listed was silver. This property is located in a crossgradient/upgradient location with respect to the inferred groundwater flow direction.

315 Broad Street, located 0.02-miles northeast of the Site on the opposite side of Broad Street, is listed in the CERCLIS and RCRA-NLR databases. The report indicates site inspections in 1993 and 2001 found low priority for further assessment. Hazardous waste

information for the property indicated for wastes involving lead and benzene. This property is located in an upgradient location with respect to the inferred groundwater flow direction.

Manchester Parkade, located at 386 Middle Turnpike West and located 0.07-miles northwest of the Site, was listed n the ERNS database. According to the report, a release of 30-gallons of transformer oil (transformer labeled less than 2 ppm PCB) occurred on April 8, 2002 due to a bullet hole in a pad-mounted transformer. 30-gallons of oil spilled, and 1-gallon of the oil reached a catch basin. A contractor was hired for clean-up, and the status of the spill is listed as "fixed". This property is located in a crossgradient location with respect to the inferred groundwater flow direction.

Decormier Motor Sales, located at 285 Broad Street and 0.08-miles northeast of the Site, is listed in the RCRA-GEN and RCRA-NLR databases of the report. The report indicates that the property was conditionally exempt small quantity generator of hazardous waste (waste flammable liquid). The RCRA-NLR listing indicates that wastes were from spent halogenated solvents used in degreasing activities including TCE, methylene chloride, PCE, 1,1,1-tricloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, orthodichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane. This property is located in an upgradient location with respect to the inferred groundwater flow direction.

Other properties are located at a greater distance from the Site.

State database listings for offsite properties are discussed in Section 8.20.

### 8.20 STATE AGENCY INFORMATION

GZA reviewed information provided by FirstSearch from ASTM-required Connecticut and Tribal databases. The ASTM databases reviewed, the date of the most recent update to the database and the search radius distances used are presented below.

ASTM Standard Database	Date	Radius Searched
State Hazardous Waste Sites (STATE)	4/23/2010	1.0-mile
State Spills (1990-present) (SPILLS)	11/18/2010	0.25-mile
Landfills / Transfer Stations (SWL)	12/16/2009	0.5-mile
Registered Underground/Aboveground Storage Tanks (UST/AST)	10/1/2010	0.25-mile
Leaking Underground Storage Tanks (LUST)	11/30/10	0.5 -mile
Voluntary Remediation Sites (VCP)	4/23/2010	0.5 -mile
State Brownfields (BROWNFIELDS)	5/1/2008	0.5-mile
State Other (OTHER)	4/23/10	0.25 miles

Site

The Site (324-340 Broad Street) was listed three (3) times in the State SPILLS database.



A spill of 1-gallon of motor oil occurred at the 324 Broad Street property on April 4, 2005. The spill was due to a motor vehicle accident. On September 5, 2003, a person was caught dumping sheet rock and building materials into the brook behind 340 Broad Street. The person was detained and the town was required by the police department to remove the materials from the brook. On October 16, 2008, 30-gallons of transformer oil spilled at the 340 Broad Street property. ESI was retained for cleanup of the spill. The statuses of all three spills are listed as "closed".

#### Off-Site

FirstSearch identified twenty-six (26) STATE properties within 1 mile of the Site, one hundred forty-two (142) SPILLS properties within ¼-mile of the Site, six (6) LUST property within ½-mile of the Site, thirteen (13) UST properties within ¼-mile of the Site, and six (6) OTHER properties within ¼-mile of the Site.

Mister Auto Wash, located at 344 Broad Street and which neighbors the Site to the southeast (a small strip of the Site property wraps around the 344 Broad Street property (refer to Figure 2 Site Layout)), was listed in the SPILLS and UST databases of the report. According to the report, a spill of 2-gallons of antifreeze occurred at this property on January 9, 1995 due to a motor vehicle accident. The spill was contained and removed. Additionally, on June 28, 1995, oil/car wash water was found being dumped into the sanitary sewer. No corrective actions were required and no additional information was available concerning this spill. This property is also listed as formerly having three 10,000-gallon gasoline USTs which were reportedly installed in 1969 and last used in1988. The tanks were reportedly removed from the ground.

308 Broad Street, neighboring the Site to the east on the opposite side of Broad Street, was listed in the SPILLS database. According to the FirstSearch report, a spill of 1-gallon of transformer oil occurred on August 31, 2007. Additionally, a 2-gallon spill of antifreeze occurred on May 24, 2000. Both of these spills are listed as "closed". This address is located in an upgradient location with respect to the inferred groundwater flow direction.

Sears Automotive, listed as Broad Street, is listed in the UST database as formerly having seven USTs in use including one (1) 500-gallon waste oil UST, five (5) 5,000-gallon gasoline USTs, and one (1) 10,000-gallon heating oil UST. All of these tanks have reportedly been closed in place. GZA notes that the former Sear's Automotive Center was located north of the Site on the opposite side of Green Manor Boulevard and was located in an upgradient location with respect to the inferred groundwater flow direction.



Stop & Shop, located at 286 Broad Street and neighboring the Site to the north on the opposite side of Green Manor Boulevard, was listed in the SPILLS and OTHER databases. According to the FirstSearch report, this property filed a Form III Property Transfer Form on September 16, 2009. Additionally, multiple spills were listed at this property. All of the spills resulted in less than five gallons of fluids (motor vehicle fluids, transformer oil) except for a spill of diesel fuel dated November 24, 2005 which resulted in a 300-400 foot oil slick, a spill of 10-gallons of gasoline from a leaking vehicle on January 15, 1995, and a spill of 40-gallons of transformer oil into a vault with no drains on July 8, 2006. All of the spills at this property are listed as "closed".

315 Broad Street (Ability Tool & Machine Company/Jiffy Lube/Economy Oil Change/Boland Brother Oil) was listed in the STATE, LUST and SPILLS databases. According to the database, soil was removed from this property due to leaking tanks ranging in size from 4,000 to 6,000 gallons (contents/dates not disclosed). Additionally, in the STATE database, a dry well (dry well drums) was used to collect 50-gallons per day of wastes including non-chlorinated VOCs and metals until 1984. This property is listed as a Superfund site. In 1991, five gasoline/diesel USTs were removed from this property along with 150-yards of contaminated soils. Fuss & O'Neill was hired to do a hydrogeological study and install monitoring wells. This property is located in an upgradient location with respect to the inferred groundwater flow direction.

325 Broad Street (Monro Muffler/Capital Tire Company), located northeast of the Site on the opposite side of Broad Street, is listed in the SPILLS and UST databases. According to the report, a 550-gallon waste oil UST, installed in 1973, was removed from this property. Additionally, on March 7, 2006, degreaser was reportedly washed down the street from the cleaning floor. The status of this spill is listed as closed. This property is located in an upgradient location with respect to the inferred groundwater flow direction.

331 Broad Street (Bruce Simins Hartford Dispensing LLC), located east of the Site on the opposite side of Broad Street, was listed in the SPILLS database. According to the report, a 550-gallon fuel oil UST was removed on September 21, 2009. 10-yards of contaminated soil were reportedly removed. The spill is listed as "closed" and no additional information was available concerning this spill. This property is located in a upgradient/crossgradient location with respect to the inferred groundwater flow direction.

Meineke Muffler, located at 290 Broad Street and north of the Site on the opposite side of Green Manor Boulevard, was listed in the SPILLS database as flushing 10-gallons of antifreeze from a radiator into a catch basin. This spill is listed as closed. This property is located upgradient of the Site with respect to the inferred groundwater flow direction.

357 Broad Street, located southwest of the Site on the opposite side of Broad Street, was listed in the SPILLS and UST databases of the report. According to the report, three gasoline USTs, ranging from 5,000-gallons to 10,000-gallons, were installed at this property in 1963 and closed in place in 1979. Additionally, on March 9, 2000, an unknown amount of oil and soap was observed in a drain. The spill was reportedly

contained and cleaned up and the status of the spill is listed as "closed". This property is located in a crossgradient location with respect to the inferred groundwater flow direction.

Other spills not discussed above are listed in the FirstSearch involving small amounts (<5-gallons) of motor vehicle fluids due to motor vehicle accidents. Due to the small quantity of motor vehicle fluids released, these spills do not pose a significant environmental risk to the Site. Additionally, other properties are listed in the database report at greater distances from the Site.

To the extent reasonably practicable, GZA evaluated the type of each mapped and unmapped site listed in the FirstSearch report, size of release (if any), and relative position to the Site based on the listed address location (if any), and inferred groundwater flow direction. Based on this evaluation, it appears possible that several of the mapped or unmapped properties potentially pose an environmental risk to the Site. Risk from these properties is reduced as the Site is served by municipal water supply and current CTDEP policy does not require remediation of groundwater contamination resulting from an off-site source. GZA notes that a property owner may be responsible for mitigating vapor intrusion to protect Site workers even if the source of impact is from off-site.

#### 8.30 CT DEP FILE REVIEW

On January 19, 2011, GZA reviewed available public files at the CTDEP File Room in Hartford, Connecticut. Inquiries were made at the Bureau of Water Protection and Land Reuse and Bureau of Materials Management and Compliance Assurance which include the Permitting, Enforcement and Remediation Division (PERD), the Oil and Chemical Spills (OCS) group, and the Waste Engineering and Enforcement (WEED) group. The OCS division contains spill reports and files pertaining to USTs. GZA also searched the CTDEP hazardous waste MANIFEST database (1984 to 2008) for information pertaining to the Site and abutting properties. Files requested and reviewed at CTDEP offices were based on review of the Site history and information presented in the FirstSearch database report.

Site

There were no CTDEP listings for the Site in the Water Bureau files. Waste Bureau files reviewed by GZA indicate the Site is a listed facility based on an investigation of a former on-Site gasoline station, correspondence related to petroleum impacted soil removal from the former gasoline station property and for CTDEP review of the Site for historical solid waste disposal. Copies of CTDEP file documents relevant to our environmental assessment are included in Appendix C. A description of the CTDEP files found and their relevance to current Site environmental quality are summarized below.

A subsurface investigation report dated February 1983 and prepared by GZA for Stop & Shop, Inc. was found in the Waste Bureau files. This report was prepared prior to construction of the Stop & Shop building space and covers the east end of the study Site where Stop & Shop formerly operated. The report introduction indicates in 1983 an







abandoned gasoline station (Hess station) was located on the Site adjacent to Broad Street and a Shell gasoline station was operating at 344 Broad Street (current Mr. Auto Wash property adjacent to the east end of the study Site). The GZA investigation was performed to assess petroleum impacted soils and groundwater in the vicinity of the former Hess station, the Shell station and the proposed Stop & Shop addition to the Broad Street Parkade shopping mall. We note that USTs at the Hess station appear to have been removed because the Stop & Shop eastern building wall runs directly through the UST locations according to sketch maps in the GZA report. In 1983, USTs did not require registration with the CTDEP and this is likely why no UST registration documents have been identified for the Site at CTDEP.

The February 1983 GZA report identifies an area of petroleum (gasoline) impacted soil and groundwater emanating from the former gasoline USTs at the Hess station property. GZA reports that petroleum impacted soils and groundwater extend from the Hess UST area along the south side of the proposed Stop & Shop structure. Sketch maps in the GZA report indicate the proposed Stop & Shop eastern building wall runs through the middle of the former Hess station building and the Hess UST area. The location of the proposed Stop & Shop building's eastern wall is consistent with the current location of the Stop & Shop building. Soils data presented in the GZA report indicate no separate phase gasoline was observed and that the impacted soil was found just above and just below the water table at approximately 7 to 10 feet below grade. GZA reported that the likely source of the petroleum impacts was the Hess station and not the adjacent Shell station (current car wash) based on the distribution of petroleum impacts noted in the soil borings. Groundwater flow direction was inferred to be to the southwest towards Bigelow Brook based on water table elevations in the GZA monitoring wells that were installed.

GZA reviewed internal files for this project and found a sketch map that indicated remediation plans for the area downgradient of the Hess USTs. The map details removal of petroleum impacted fill material that contained organic materials unsuitable for support of the proposed Stop & Shop foundation. The map indicates that gravel will be placed where the petroleum impacted fill is removed and that the gravel will be capped with a one foot thick layer of clay that will slope upwards toward the outside of the proposed Stop & Shop building as a barrier to petroleum vapors that could potentially emanate from groundwater. The gravel layer beneath the clay was to act as a passive venting layer through which the petroleum vapors could migrate out from under the proposed building.

The 1983 GZA report does not address USTs and potential releases on the Shell station property other than to note that groundwater flow from the Shell station would be toward Bigelow Brook and away from the proposed Stop & Shop building footprint. Also, the 1983 GZA report does not address the portion of the study Site that wraps around the 344 Broad Street property between that property and Bigelow Brook.

Correspondence between CTDEP, Stop & Shop and GZA indicate that CTDEP authorized the removal of approximately 4,000 cubic yards of petroleum impacted soil from the Site for disposal at a landfill (landfill location not specified in the CTDEP letter although one GZA correspondence identifies the proposed disposal location as a "local"

landfill). No waste transportation documents or follow up correspondence on soil disposal were found in the CTDEP file or GZA's internal files and it appears that GZA was not contracted to observe and document soil removal that is inferred to have been performed by the developer that constructed the Stop & Shop portion of the Site building.



A Hazardous Waste Inspection Checklist dated June 25, 1984 to July 6, 1984 indicated CTDEP assessed the study Site area (Broad Street) for evidence of solid waste disposal (landfill and/or "historic dump site" activities). The results of the inspection indicate that CTDEP did not find any evidence that would indicate on-site disposal or potential groundwater contamination in the vicinity of the Site. The documents reviewed indicate a concern that the Site may have been a "dumping ground >30 years ago" but the CTDEP assessment indicated "No Haz (hazardous) or Industrial wastes noticed or expected."

GZA also reviewed two Emergency Incident Reports concerning the Site. On September 5, 2003, a person was caught dumping sheet rock and other building materials into the brook behind the Site building. The town was required to remove the materials from the brook. No additional information was available concerning this incident.

A second Emergency Incident Report, dated October 16, 2008, indicates that approximately 30 gallons of transformer oil leaked to the ground surface at the Site. Environmental Services Inc. (ESI) was retained to remove the contaminated soil. The attached (Appendix D) Emergency Incident Field Report indicates that the transformer, located south of the Site building, had been vandalized at an undetermined time for a copper wire. A bushing on the transformer was damaged and leaked oil into the cabinet and onto the ground around the transformer. ESI used a Bobcat and a supervac to excavate soil around the transformer and loaded the material into a roll-off dumpster. CL&P sent an oil sample from the transformer to be tested for PCBs which came back non-detect. Approximately 15-yards of material (soil) were removed from around the transformer for later disposal and the case was considered closed by the Emergency Response Unit of the CTDEP. The spill report documents do not indicate an investigation was completed to characterize soil quality at the limits of the remedial excavation. No groundwater sampling is reported in the files for this incident.

#### Off Site

UST Program (Waste Bureau) files were found for the property at 344 Broad Street that is currently operating as a Mr. Auto Wash car wash. The file indicates this property was formerly operated as Gentle Touch Car Wash at this same address. UST registration documents filed by Mr. Auto Wash indicate the 344 Broad Street property had three, 10,000-gallon, gasoline USTs located along the north property line adjacent to the study Site and that these three tanks were installed in approximately January 1977 and were removed in May 1988. However, UST registration documents filed by Gentle Touch Car Wash indicate three, 10,000-gallon, gasoline USTs installed in approximately August 1969 and were last used in May 1985. The two sets of registration documents appear to be describing the same USTs. Releases from the USTs at 344 Broad Street should they have

occurred would likely impact soil and groundwater on the study Site adjacent to, and down gradient of, the former USTs.

Water Bureau files were also found for the 344 Broad Street Mr. Auto Wash property. The files indicate that this facility has a CTDEP general permit for discharge of car wash waste water to the Manchester sewer system. A CTDEP January 22, 1996 notice of violation was found in this file citing the facility owner for discharge of car wash waste water without a general permit. A general permit application dated February 6, 1996 and a compliance statement indicating correction of the situation noted in the January 22, 1996 notice of violation was also found in the file.

Documents for Capitol Tire at 325 Broad Street indicate a former 500-gallon waste oil UST. The tank is reported by the owner as not in use but no documentation of closure is found in the file. A release at this upgradient property could potentially impact the study Site should one occur.

Documents for Saint James Cemetery at 360 Broad Street indicate an active 1,000-gallon gasoline UST at the cemetery service building that is on the north side of the property near Bigelow Brook and Broad Street. No documentation of closure or assessment of this UST is found in the file. A release at this upgradient property could potentially impact the study Site should one occur.

Documents for a former Sears Automotive store at 364 West Middle Turnpike (an address that corresponds to the current 290 Broad Street facility where Meineke Muffler and Hertz now operate) indicate a former 500-gallon waste oil UST and six former 5,000-gallon, gasoline USTs. A 10,000-gallon heating oil tank is also listed on the registration document but a sketch map in the file indicates the 10,000-gallon heating oil tank is located near the west end of the adjacent Manchester Parkade shopping mall property north of the former 3 Penny Pub, which is downgradient from the study Site. The gasoline and waste oil tanks at the former Sears Automotive store were abandoned in place according to the UST registration documents on file. No subsurface investigation information is found in the file for this location. A release at this upgradient property could potentially impact the study Site.

A file was found for Ability Machine at 315 Broad Street (rear of property behind Economy Oil Change). The file indicates this facility was inspected by CTDEP on June 25, 1984 and on September 15, 1984. Tumbling waste water was being discharged to a dry well/pit on this property at the time of the CTDEP inspections and the facility was reportedly using a septic system. Also, the facility had a degreaser for parts cleaning. CTDEP collected a sediment sample from the dry well and by laboratory analysis identified benzene, cumene, ethyle benzene, methyl ethel ketone, styrene, tetrachloroethylene, and xylenes in the sample. The company reportedly moved to a new location across town in September 1984. Also, the CTDEP September 20, 1984 correspondence (Interdepartment Message from Doug Zimmerman) indicates on page two "This building is located atop the old Broad St Town landfill. The building (when constructed) had to be built apon (sic) pile-ons (sic) driven through the garbage." An





additional note at the bottom of page two indicates "Old Landfill extends from Broad St. to the rear of the machine shop." A historical release at this upgradient property could potentially impact the study Site.

Documents for R T Coachworks at 244 Broad Street northeast of the study Site indicate this facility was a RCRA small quantity generator of wastes that included waste paint related materials, ignitable waste (D001) and non-halogenated solvents (F003 and F005). A release at this upgradient property could potentially impact the study Site.

No other files pertaining to the Site were available for review from the CTDEP public file room.

### Connecticut Transfer Act Applicability

C.G.S. Section 22a-134 *et seq*. (as amended), commonly known as the Connecticut Transfer Act, requires the disclosure of environmental conditions when certain real properties and/or businesses, referred to in the Connecticut Transfer Act as "establishments", are "transferred". An "establishment" is defined as follows:

"Establishment' means any real property at which or any business operation from which (A) on or after November 19, 1980, there was generated, except as the result of remediation of polluted soil, groundwater or sediment, more than one hundred kilograms of hazardous waste in any one month, (B) hazardous waste generated at a different location was recycled, reclaimed, reused, stored, handled, treated, transported or disposed of, (C) the process of dry cleaning was conducted on or after May 1, 1967, (D) furniture stripping was conducted on or after May 1, 1967, or (E) a vehicle body repair facility was located on or after May 1, 1967."

The terms "transfer of establishment" and "hazardous waste", among others, are also defined in the Connecticut Transfer Act.

Based on GZA's review of information previously discussed in this report, the real property which is the subject of this report does not appear to meet the definition of an "establishment" under the Connecticut Transfer Act because there is no evidence that the activities in subsection (A) through (E) of the definition of "establishment" have occurred.

Any final opinion or determination as to whether a transaction is subject to the Connecticut Transfer Act is a legal one and advice of counsel should be obtained.

#### 8.40 LOCAL REGULATORY AGENCIES

On January 19, 2011 GZA contacted the Town of Manchester Clerk's Office, Tax Assessor's Office, Building Department, Health Department, Engineering Department and the Fire Marshal's Office. Representatives of these Town offices were contacted regarding

information for the study Site that might document environmental conditions and/or spills of petroleum or hazardous materials at the Site or vicinity properties.

Town of Manchester Building Department records indicated the Site was first developed as a Broad King department store. A December 1965 building permit was the earliest development records identified by GZA for the Site. Building Department records included various construction permits but none of the files reviewed by GZA indicated Site conditions that would elicit environmental concern or indicate a release of petroleum products or hazardous materials.

Town of Manchester Engineering Bureau representatives indicated that the Site and Site vicinity are serviced by municipal water, sewer and natural gas utilities.

Town of Manchester Health Department records included a CTDEP Emergency Incident Report that documented dumping of construction materials in Bigelow Brook on September 5, 2006. Police responded to the incident and detained those that were dumping the materials. No other pertinent information was provided in the report. No other files indicating a release of petroleum products or hazardous materials was found in Health Department records.

Town of Manchester Fire Department records were available for the past 15 years. No USTs were identified for the study Site in the records search at the Fire Department.

No other Town of Manchester public office files were reviewed by GZA as a part of this ESA report.

#### 9.00 INTERVIEWS/REFERENCES

GZA interviewed the following people as part of this assessment:

- Mr. Art Carone, Site Property Manager
- CTDEP representatives in the public file room 79 Elm Street, Hartford, CT for file searches concerning the Site and vicinity properties.
- Personnel at the Town of Manchester Municipal Departments (Building, Assessor, Community Development, Water & Sewer, Fire Marshal).

#### 10.00 USER RESPONSIBILITIES

GZA requested information from the User regarding title information, environmental liens, Activity and Use Limitations (AULs), and specialized knowledge or commonly known information regarding the Site. User responsibilities include:





- reviewing land title records and lien records for environmental liens or AULs. ASTM states that this information shall be reported to the Environmental Professional;
- communicating any "specialized knowledge or experience of the user" regarding RECs at the property to the Environmental Professional;



- communicating any "actual knowledge" of the user of any environmental lien or AULs;
- "consider the relationship of the purchase price to the fair market value"
- communicating any "commonly known or reasonably ascertainable" facts regarding RECs at the property to the Environmental Professional;

Client provided GZA with completed questionnaires with information regarding the above User Responsibilities. GZA's review of the User Questionnaires did not identify additional environmental conditions or historical Site uses beyond those indicated by other resources reviewed by GZA during our assessment of the Site including regulatory information, Site reconnaissance and interviews with Site occupants. User Questionnaires are attached in Appendix E.

#### 11.00 FINDINGS AND CONCLUSIONS

GZA conducted a Phase I ESA following the general guidance of the ASTM Standard Practice E1527-05 for Phase I Site Assessments and supplemental Client requirements for the property located at 324, 330, 334 & 340 Broad Street in Manchester, Connecticut (the Site). The ESA included a Site and Site vicinity reconnaissance, a review of Site history, a review of selected local, state and federal regulatory records and interviews with persons and agencies familiar with the Site.

#### 11.10 FINDINGS

The findings below are based on the work conducted as part of this ESA:

• The Site consists of approximately +/- 17.72 acres of land located at 324, 330, 334 & 340 Broad Street at the intersection of Green Manor Boulevard in Manchester, Connecticut. The Site contains two buildings generally constructed between in 1966 and 1971; an addition to the easternmost portion of the southern building (former Stop & Shop) was constructed c. 1984. The Site buildings are one-story structures with concrete block exterior walls and poured concrete slab foundations; there are no basement spaces in the Site buildings. Building roofs are flat, coated-membrane construction. Together the Site buildings have a footprint of approximately 260,000 square feet. Parking areas occupy the northeast part of the Site and the two Site buildings border the south and west property lines. Access driveways are present behind the buildings to the south and west. The Site buildings have been used for

retail stores and offices since their construction but they have been vacant for the last seven to eight years according to Mr. Art Carone, Site property manager.

 Broad Street borders the east side of the Site and Green Manor Boulevard borders the north side of the Site. Parking areas are connected to both of these roads.



- The Site is predominantly covered by the Site building and asphalt paved parking areas and driveways except for minor areas of landscaping at the northwest corner of the Site and an area along the south side of the Site adjacent to Bigelow Brook, which borders the entire south side of the property.
- A 1992 historic topographic map shows the Site building and vicinity generally as they appeared at the time of GZA's Site walk over. Underlying topography (1963) shows higher elevations (10 to 20 feet above current grade) at the center of the Site. It appears material (soil, sand and gravel) was removed in the late 1960s or early 1970s to level the Site prior to construction of the current Site buildings and parking areas. Historic resources reviewed for this study do not indicate evidence of landfilling at the Site. More than 50 soil borings completed in 2006 for a confidential party (and released to GZA for use) indicate no solid waste fill at the Site.
- Building survey work by Eagle Environmental Inc. indicates that the Site buildings have asbestos containing materials, low levels of lead based paint, PCB and DEHP containing light ballasts, mercury vapor lamps, thermostatic controls with capacitors and Freon bearing equipment. GZA notes that the Town of Manchester is currently contracting with others to assess hazardous building materials at the Site.
- Stormwater catch basins are located in Site parking areas and in a narrow alley way between the two Site buildings at the southwest corner of the Site. The storm sewer system reportedly discharges to Bigelow Brook and two storm water outlets discharging to the Brook are located along the south side of the Site.
- The Site and Site vicinity consist of commercial and residential properties serviced by municipal water, sewer and natural gas utilities. The Site has always had natural gas fueled heating and cooling systems according to the property manager. No historical septic systems were reported by the property manager and GZA did not observe any evidence of historical on-Site septic system.
- Historically, five concrete pad mounted transformers were observed on the Site by GZA (during the 2006 reconnaissance). Transformers were labeled as property of CL&P. No staining was observed in the vicinity of the transformers. The transformers did not have labels indicating they had been tested for PCBs. Based on GZA observations, the transformers were removed from the Site between 2006 and 2011. We note that one transformer was vandalized between 2006 and 2008 and the power company performed a soil clean up related to an oil spill at the vandalized

transformer. Regulatory documentation related to the soil remediation is further described later in this bullet list.

• Site and Site vicinity groundwater is designated Class GB with a designated use as industrial process water and cooling water not suitable for direct human consumption without treatment. No water supply wells were noted for the Site vicinity in the regulatory and historical data sources reviewed by GZA.



- During the 2006 GZA Site reconnaissance, a fenced area outside the southwest corner of the former Marshall's retail space contained a front end loader parked on a concrete pad. The loader was reportedly used for snow removal at the Site parking lots according the property manager but had not been used in several years. An oily stain was observed beneath the loader and the stain extended off the concrete pad to a nearby stormwater catch basin. The stain indicated a release of hydraulic oil or motor oil from the loader that potentially impacted Site soil and possibly groundwater. The oil release may also have impacted sediment in the catch basin. The loader was not observed at the Site during the 2011 Site reconnaissance.
- Two lifts are located at the southeast corner of the former Stop & Shop part of the building and appear to have been used for off-loading truck cargo. These lifts may be hydraulically operated; the lifts are at grade and hydraulic oil cylinders, if present, would be below grade. The Site contacts (Mr. Art Carone and Mr. Eugene O'Brien) could not confirm the presence of hydraulic equipment below the lifts. A trash compactor with a hydraulic oil tank was observed behind the Bradlee's part of the building. Also, the Site formerly had hydraulically operated trash compactors at the former Stop & Shop and Marshall's according to historical reports reviewed by GZA. Hydraulic equipment at these locations would have used oil.
- Regulatory records for the Site indicate Bradlees recycled fluorescent light bulbs that were transported from the Site under hazardous waste manifests on January 7, 2000. However, fluorescent light bulbs are currently considered "universal waste" in Connecticut and are not counted when assessing the Site as an "establishment" under the CTDEP Property Transfer Act. Based on reasonably ascertainable Site history information, the Site has never generated hazardous waste. Because no hazardous waste was generated at the Site and historical information indicates Site tenants never included dry cleaning operations, furniture stripping operations, and/or autobody repair operations since 1967, the Site would not be considered an establishment under the Property Transfer Act, C.G.S. Section 22a-134 et seq.
- A Hess gasoline station was formerly located at the east end of the Site adjacent to Broad Street. The Hess station had USTs that appear to have been removed during construction of the Stop & Shop portion of the Site building in 1983 to 1984. This assumption is based on review of a historical 1983 GZA report found in CTDEP files that shows the exterior wall of the proposed Stop & Shop building running through the middle of the Hess station UST area and construction plans found in



GZA's internal files that show hand drawn sketches of soil excavation areas along the south wall of the Stop & Shop building. There is no regulatory documentation of the tank removals because they are inferred to have been removed in 1983 and UST registration and closure requirements were not in place at that time so UST registration was not a requirement of the CTDEP. Also, CTDEP files included a CTDEP letter authorizing disposal of approximately 4,000 cubic yards of petroleum impacted soil from the Site to a landfill. Any residual petroleum impacted soil that remained on the Site after construction of the Stop & Shop is expected to be minimal in volume because the GZA report indicates that the majority of the petroleum impacted was removed to facilitate construction of the Stop & Shop. Also, natural attenuation of residual impacts is likely to have occurred between 1983 and the present.

- A release is reported in regulatory documents for the property at 315 Broad Street (metals, oils and solvents at the former Ability Tool & Machine property). Investigation of this property is not documented in regulatory files. Based on the location of 315 Broad Street, releases at this property could potentially impact groundwater beneath the east side of the study Site.
- Multiple properties along Broad Street east, northeast and southeast of the study Site are identified in the regulatory record as having USTs and/or handling hazardous materials or petroleum products. USTs are noted for Mr. Auto Wash at 344 Broad Street (southeast and adjacent to the Site), Saint James Cemetery at 360 Broad Street (southeast and across Bigelow Brook from the Site), former Sears Automotive at 290 Broad Street (north and across Green Manor Boulevard from the Site) and the former gas station at 301 Broad Street (east of the Site across Broad Street). Hazardous materials were generated at Ability Machine & Tool at 315 Broad Street and at R T Coachworks at 244 Broad Street (northeast of the Site). Releases at these upgradient to crossgradient properties could potentially impact groundwater beneath the study Site.
- GZA reviewed soil and groundwater data that was collected by GZA in 2006 for a confidential client that was assessing the Site. Between November 27, 2006 and December 12, 2006, GZA collected sixteen (16) soil samples, three (3) surface water and stream sediment samples, and fifteen (15) groundwater samples for analysis.
- GZA's 2006 data indicated no petroleum or aromatic VOC impacts in the vicinity of the former Hess Service Station. Soil and groundwater samples from the area adjacent to the former front-end loader indicate low level petroleum constituents that are below the regulatory (RSR) criteria. Low level petroleum constituents were identified in soil samples adjacent to two of four transformers and at one of two borings by the hydraulic lifts but the petroleum detected was below regulatory criteria. No impacts were identified near the trash compactor at the former Stop & Shop. No PCBs were detected in soil samples from the Site.



- Low levels of VOCs were detected in surface water adjacent to the central stormwater outfall to the stream. The detected constituents and concentrations are similar to those detected throughout the Site in groundwater. It is likely that the Site storm water piping intercepts the water table thus creating a preferred migration pathway along the pipe bedding material and directing groundwater discharge to surface water the outfall location. Further downgradient, VOC levels in surface water are non-detectable, indicating attenuation (likely due to dilution and volatilization of the contaminants) is occurring as a result of confluence with the stream. Based on the widespread distribution of VOCs in groundwater at low concentrations and detection of VOCs at upgradient wells near the property line, it is likely that the VOC source is located off-Site.
- An Emergency Incident Report, dated October 16, 2008, indicated that approximately 30 gallons of transformer oil leaked to the ground surface due to a transformer being vandalized at the Site. Environmental Services Inc. (ESI) was retained to remove the contaminated soil. ESI excavated and disposed of 15 cubic yards of soil impacted with petroleum from around the transformer. CL&P sent an oil sample to be tested for PCBs which came back non-detect. CT DEP records indicate the case was considered closed by the Emergency Response Unit of the CT DEP. However, the documents in CT DEP files do not indicate analysis of soil samples at the extent of the remedial excavation and do not indicate groundwater testing was performed downgradient of the remediation area.
- Interviews with the Key Site Manager for the property and User Questionnaires did not indicate any evidence of RECs or releases of hazardous materials and/or petroleum products.

#### 11.20 CONCLUSIONS AND OPINIONS

On the basis of the observations made and the information reviewed during the course of this Phase I ESA, it is GZA's opinion that we have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-05 of 324-340 Broad Street, Manchester, Connecticut, the property. Any exceptions to, or deletions from this practice are described in Section 1.00 of this report. This assessment has revealed no Recognized Environmental Conditions in connection with the property except for the following:

• The release of oil at one of the Site's former transformers is considered a REC because data was not found in the regulatory record documenting soil conditions at the limits of the emergency remediation conducted by ESI for the power company. The locations of former transformers at the Site are considered RECs until such time that soil testing indicates petroleum impacts have been mitigated at the former transformer locations and residual soils in these areas are not impacted with petroleum.

• Previous subsurface investigation by borings and soil and groundwater analyses have demonstrated low concentrations of VOCs are present in Site groundwater. The impacted groundwater is considered a REC until such time that additional testing indicates no impacts above regulatory criteria. We note that the presence of VOCs in groundwater at the Site may warrant the use of a vapor barrier below any proposed buildings that might be constructed on the Site during redevelopment. The vapor barrier might be necessary to prevent vapor migration into buildings.



We note that future redevelopment of the Site is likely to include soil excavation. Although previous Site soil testing did not identify impacts above regulatory criteria, some residual petroleum impacted soil could remain at the Site (i.e. near the former front end loader and former Hess Station) and this soil should be properly managed and disposed of during redevelopment activities if it is encountered. Therefore, GZA recommends redevelopment activities include preparation of a contingency soil management plan that would make provisions for handling and disposal of residual impacted soil.

Likewise, redevelopment may require pumping of groundwater to dewater certain Site areas and a management plan for VOC impacted groundwater should be prepared as part of Site redevelopment.

Building hazardous materials are being assessed by others. Should hazardous materials be found in the existing Site building, any demolition plans should adequately address management and disposal of the hazardous materials so that they are not release to the environment during demolition.

#### 12.00 ENVIRONMENTAL PROFESSIONAL STATEMENT

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 12; I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property; and I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312." The signature of the Environmental Professional is contained on the cover page of this report. A summary of the qualifications of the Environmental Professional is contained in Appendix G.

#### 13.00 LIMITATIONS & RELIANCE

GZA's Site assessment was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and GZA observed the degree of care and skill generally exercised by other consultants under similar circumstances and conditions. GZA's findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the limited data gathered during the course of the environmental site assessment. No other warranty, express or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous

material, oil or other latent condition beyond that observed by GZA during its site assessment. This report is also subject to the specific limitations contained in Appendix A.



This study and report have been prepared on behalf of and for the exclusive use of the Town of Manchester (Client), solely for use in an environmental assessment of the site. This report and findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor relied on by any other party in whole or in part, without the prior written consent of GZA. However, GZA acknowledges and agrees that the Client may convey the report in its entirety to the Lender (if any) associated with the proximate financing of the Site to the extent set forth in our signed proposal dated January 6, 2011. Such parties' reliance upon the report shall be subject to all the Limitations, Terms and Conditions set forth in the report and in the Proposal, referred to in the report and incorporated therein. GZA's aggregate Liability to all parties who may come to rely upon the report is limited to the amount set forth in the Terms and Conditions and is not hereby expanded. Client acknowledges and agrees that reliance upon the report and the findings in the report by any other party, or for any other purpose, shall be at that party's sole risk and without any liability to GZA.



Table 1 Monitoring Well Details 340 Broad Street Manchester, CT

Monitoring Well Designation	Insallation Date	Top of PVC Elevation (feet)	Depth to Groundwater (feet)*	Groundwater Elevation (feet)	Borehole Depth (feet)	Sceened Medium	Screen Length (feet)	Screen Interval (feet)	Nominal Well Diameter (inches)	Screen Slot Size (inches)
MW-1	21-Apr-93	137.08	5.56	131.52	13.42	OB	10	4-14	2	0.010
MW-2	21-Apr-93	130.62	4.18	126.44	11.64	OB	10	2.5-12.5	2	0.010
MW-3	21-Apr-93	129.71	5.38	124.33	11.07	OB	10	2.5-12.5	2	0.010
MW-4	21-Apr-93	131.04	6.87	124.17	12.63	OB	10	4-14	2	0.010
MW-5	23-Aug-94	129.77	7.32	122.45	14.10	OB	10	5-15	2	0.010
MW-6	23-Aug-94	129.29	6.21	123.08	10.05	OB	10	3-13	2	0.010
MW-7	23-Aug-94	129.59	4.95	124.64	9.75	OB	10	3-13	2	0.010
MW-8	24-Aug-94	NA	NA	NA	NA	OB	7	1-8	2	0.010
MW-9	26-Aug-94	129.61	6.75	122.86	14.42	OB	10	5-15	2	0.010
MW-10	27-Nov-06	137.42	9.56	127.86	13.74	OB	10	5-15	2	0.010
MW-11	27-Nov-06	137.14	6.34	130.80	12.85	OB	10	4-14	2	0.010
MW-12	27-Nov-06	127.63	4.4	123.23	8.81	OB	8	2-10	2	0.010
MW-13	27-Sep-06	132.9	5.97	126.93	14.50	OB	10.5	4.5-15	2	0.010
MW-14	27-Sep-06	132.08	2.58	129.50	11.59	OB	10	1.5-11.5	2	0.010
MW-15	27-Sep-06	128.23	5.73	122.50	12.58	OB	10	3-13	2	0.010
MW-16	27-Sep-06	123.71	9.39	114.32	14.72	OB	10	4.5-14.5	2	0.010
SW-1	27-Nov-06	NA	0.00	126.09	NA	NA	NA	NA	NA	NA
SW-2	27-Nov-06	NA	0.00	120.78	NA	NA	NA	NA	NA	NA

#### **Notes:**

\*

- 1 (R) indicates borehole terminated at refusal.
- OB indicates well screen is installed in overburden material; BR indicates well screen installed in bedrock.
- 3 NE indicates bedrock was Not Encountered in the test boring.
- 4 Elevations are relative to an arbitrary elevation of 100 feet established at the Site (building foundation).

Depth to groundwater was measured from the top of the PVC riser pipe on November 27 and December 5-7, 2006 using a Solinist groundwater level.

#### Table 2 Summary of Soil Sample Analytical Results 340 Broad Street Manchester, CT

	Sample ID	FL-1	FL-1	FL-2	FL-2	T-1	T-2	T-3	T-5	RS	SRs
	Sample Depth	0-2'	2-4'	0-2'	2-4'	0-1'	0-1'	0-1'	0-1'	R- DEC	GB-PMC
Analytical Parameters	Sample Date	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	K- DEC	GB-FMC
	Units										
PCBs by EPA Method 8082										mg/kg (ppm)	mg/kg (ppm)
All PCB Aroclors analyzed	mg/Kg	ND	1	1							
ETPH										mg/kg (ppm)	mg/kg (ppm)
ETPH C9 to C36	mg/Kg	<10	<10	<10	16	<10	11	<10	140	500	2500
VOCs by EPA Method 8260										ug/Kg	ug/Kg
All VOCs analyzed	μg/Kg	NT	NA	NA							

	Sample ID	TC-1	TC-1	TC-2	TC-2	L-1	FHS-1	FHS-1	RS	SRs
	Sample Depth	0-2'	2-3'	0-2'	2-3'	0-2'	2-4'	4-6'	R-DEC	GB-PMC
Analytical Parameters	Sample Date	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	K-DEC	GD-FMC
PCBs by EPA Method 8082										mg/kg (ppm)
All PCB Aroclors analyzed	mg/Kg	ND	ND	ND	ND	ND	NT	NT	1	1
ETPH									mg/kg (ppm)	mg/kg (ppm)
ETPH C9 to C36	mg/Kg	<10	<10	<10	<10	12	NT	NT	500	2500
VOCs by EPA Method 8260	ug/Kg	ug/Kg								
All VOCs analyzed	μg/Kg	NT	NT	NT	NT	NT	ND	ND	NA	NA

	Sample ID	FHS-2	FHS-2	FHS-3	FHS-3	MW-10	MW-11	MW-11	MW-12	RSRs	
	Sample Depth	2-4'	4-6'	2-4'	4-6'	5-7.5'	2.5-5'	5-7.5'	2.5-5'	R-DEC	GB-PMC
Analytical Parameters	Sample Date	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	11/27/06	K-DEC	GB-FMC
	Units										
PCBs by EPA Method 8082										mg/kg (ppm)	mg/kg (ppm)
All PCB Aroclors analyzed	mg/Kg	NT	1	1							
ETPH										mg/kg (ppm)	mg/kg (ppm)
ETPH C9 to C36	mg/Kg	NT	NT	NT	NT	35	<10	<10	<10	500	2500
VOCs by EPA Method 8260										ug/Kg	ug/Kg
All VOCs analyzed	μg/Kg	ND	ND	ND	ND	NT	ND	ND	ND	NA	NA

#### Notes:

mg/Kg = milligrams per Kilogram

μg/Kg = micrograms per Kilogram

CTDEP RSRs = Connecticut Department of Environmental Protection Remediation Standard Regulations

GB PMC = Pollutant Mobility Criteria for GB Groundwater areas

R-DEC = Residential Direct Exposure Criteria

ND = Parameter not detected above the laboratory reporting limit

NT = Not Tested

NA = Not Applicable, compound is not volitile

Only those compounds found above laboratory detection limits are listed. See lab reports for full list of analytical parameters tested.

# Table 3 Summary of Groundwater Sample Analytical Results 340 Broad Street Manchester, CT

1	Well Designation:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-15 Dup	MW-16		RSRs	
	Sample Date:	12/1/2006	12/6/2006	12/6/2006	12/1/2006	12/6/2006	12/7/2006	12/5/2006	12/1/2006	12/7/2006	12/1/2006	12/6/2006	12/14/2006	12/6/2006	12/1/2006	12/7/2006	12/1/2006	SWPC	R-Vol	I/C Vol
Parameters	Units																			
VOCs																		μg/L	μg/L	μg/L
Bromodichloromethane	μg/L	ND	0.92	ND	ND	ND	ND	NE	14	67										
Bromoform	μg/L	ND	0.87	ND	ND	ND	ND	10800	920	3800										
Dibromochloromethane	μg/L	ND	1.5	ND	ND	ND	ND	1020	NE	NE										
cis-1,2-Dichloroethene	μg/L	ND	ND	ND	1.4	ND	ND	ND	ND	ND	NE	860	11000							
Chloroform	μg/L	ND	1.1	ND	0.85	ND	ND	ND	ND	14100	26	62								
Trichloroethene	μg/L	ND	ND	ND	2.8	7.2	ND	ND	ND	ND	ND	ND	4.1	4.3	ND	ND	ND	2340	27	67
Tetrachloroethene	μg/L	ND	2.2	ND	1.6	2.1	1.2	ND	ND	ND	ND	ND	2.1	1.4	ND	ND	ND	88	340	810
Naphthalene	μg/L	ND	ND	2.3	ND	20	NE	NA	NA											
SVOCs																				
All SVOCs analyzed	μg/L	ND	NT	NT	ND	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	VARIES	NA	NA
Total Petroleum HC																				
ETPH C9 to C36	μg/L	ND	NT	NT	ND	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NE	NA	NA
Metals																				
All metals analyzed	μg/L	ND	NT	NT	ND	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	VARIES	NA	NA

#### LEGEND/NOTES

 $\mu$ g/L= micrograms per liter

ND = Parameter not detected above the laboratory reporting Limit

NT = Sample was Not Tested for the listed Parameters

NA = Not Applicable, Compound is not volatile

NE = Criteria is not established for this parameter

RSRs = CTDEP's Remediation Standard Regulations

SWPC = Surface Water Protection Criteria in the RSRs

R-Vol = CTDEP 2003 proposed (but not yet promulgated) groundwater Residential Volatilization Criteria

I/C-Vol = CTDEP 2003 proposed (but not yet promulgated) groundwater Industrial/Commercial Volatilization Criteria

# Table 4 Summary of Stream Sediment Analytical Data 340 Broad Street Manchester, CT

		Sedimer	nt Sample L	ocations
Analytical Parameter	Sample ID	SED-1	SED-2	SED-3
	Sample Date	12/4/06	12/4/06	12/4/06
PP-13 Metals				
Silver	mg/Kg	< 0.50	< 0.50	< 0.50
Arsenic	mg/Kg	<1.0	<1.0	<1.0
Beryllium	mg/Kg	< 0.40	< 0.40	< 0.40
Cadmium	mg/Kg	< 0.50	< 0.50	< 0.50
Chromium	mg/Kg	13.7	10.6	8.92
Copper	mg/Kg	29	13.5	7.36
Mercury	mg/Kg	< 0.10	< 0.10	< 0.10
Nickel	mg/Kg	5.88	6.48	4.72
Lead (Furnace)	mg/Kg	277	53.6	13.1
Antimony	mg/Kg	< 5.0	< 5.0	< 5.0
Selenium	mg/Kg	< 2.5	<2.5	<2.5
Thallium	mg/Kg	< 5.0	< 5.0	< 5.0
Zinc	mg/Kg	38.6	38.9	27.5
ЕТРН				
Extractable petroleum HC	mg/Kg	37	ND	ND
VOCs				
All VOCs analyzed	mg/Kg	ND	ND	ND

#### **Notes:**

ND = Not Detected above method detection limit.

mg/Kg = milligrams per kilogram

Samples were collected by GZA personnel on December 4, 2006.

Samples were analyzed for VOCs by EPA Method 8260

\*Only those compounds found above laboratory detection limits are listed. See lab reports for full list of analytical parameters tested.

# TABLE 5 Summary of Stream Surface Water Analytical Data 340 Broad Street Manchester, CT

		Surface W	ater Sample	Locations	CT WQS*
Analytical Parameter	Sample ID	SW-1	SW-2	SW-3	ALC
·	Sample Date	12/4/06	12/4/06	12/4/06	μg/L
Metals					
Silver	mg/L	< 0.001	< 0.001	< 0.001	1.02
Arsenic	mg/L	< 0.004	< 0.004	< 0.004	0.021
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	0.13
Cadmium	mg/L	< 0.001	< 0.001	< 0.001	1.35
Chromium	mg/L	< 0.001	< 0.001	< 0.001	11
Copper	mg/L	< 0.001	< 0.001	< 0.001	4.8
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	0.051
Nickel	mg/L	< 0.001	< 0.001	< 0.001	28.9
Lead	mg/L	0.003	< 0.001	0.001	1.2
Antimony	mg/L	< 0.005	< 0.005	< 0.005	4300
Selenium	mg/L	< 0.01	< 0.010	< 0.010	5 (total)
Thallium	mg/L	< 0.002	< 0.002	< 0.002	6.3
Zinc	mg/L	0.014	< 0.002	0.007	65
Organic Components					
Ammonia (as Nitrogen)	μg/L	0.53	0.03	0.15	Varies
Nitrite-N	μg/L	< 0.01	< 0.01	< 0.01	NE
Nitrate-N	μg/L	1.3	2.9	1.6	NE
Nitrogen Tot Kjeldahl	μg/L	1.2	0.45	0.5	NE
Phosphorus (as P)	μg/L	0.28	0.27	0.12	NE
Total Suspended Solids	μg/L	10	< 5.0	6	NE
VOCs by EPA Method 8	260				
Chloroform	μg/L	ND	1.2	ND	NE
Tetrachloroethene	μg/L	ND	2.6	ND	NE
Trichloroethene	μg/L	ND	3.5	ND	NE
SEMI-VOCs					
All SVOCs analyzed	μg/L	ND	ND	ND	NE

#### **Notes:**

mg/L = milligrams per liter

 $\mu g/L = micrograms per liter$ 

ND = Not Detected above method detection limit.

NE = Not established

NA = Not Available

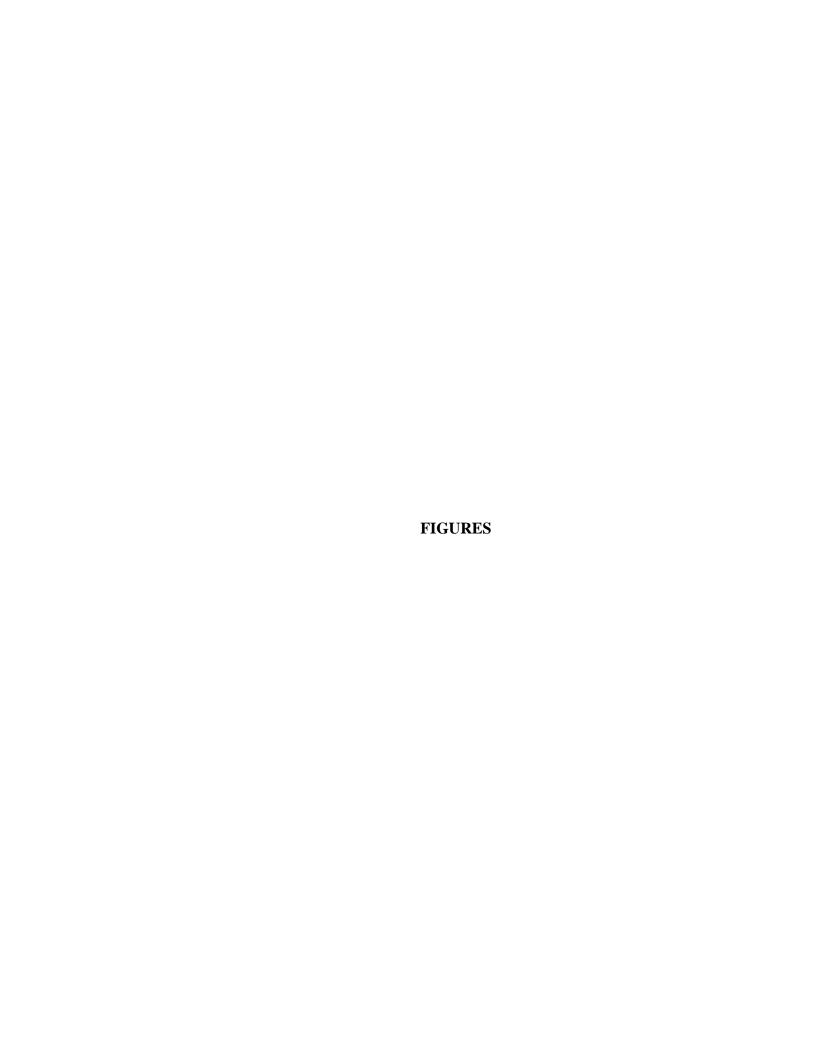
ALC = Aquatic Life Criteria (lower of the chronic freshwater ALC or Human Health Criteria for consumption of organisms only)

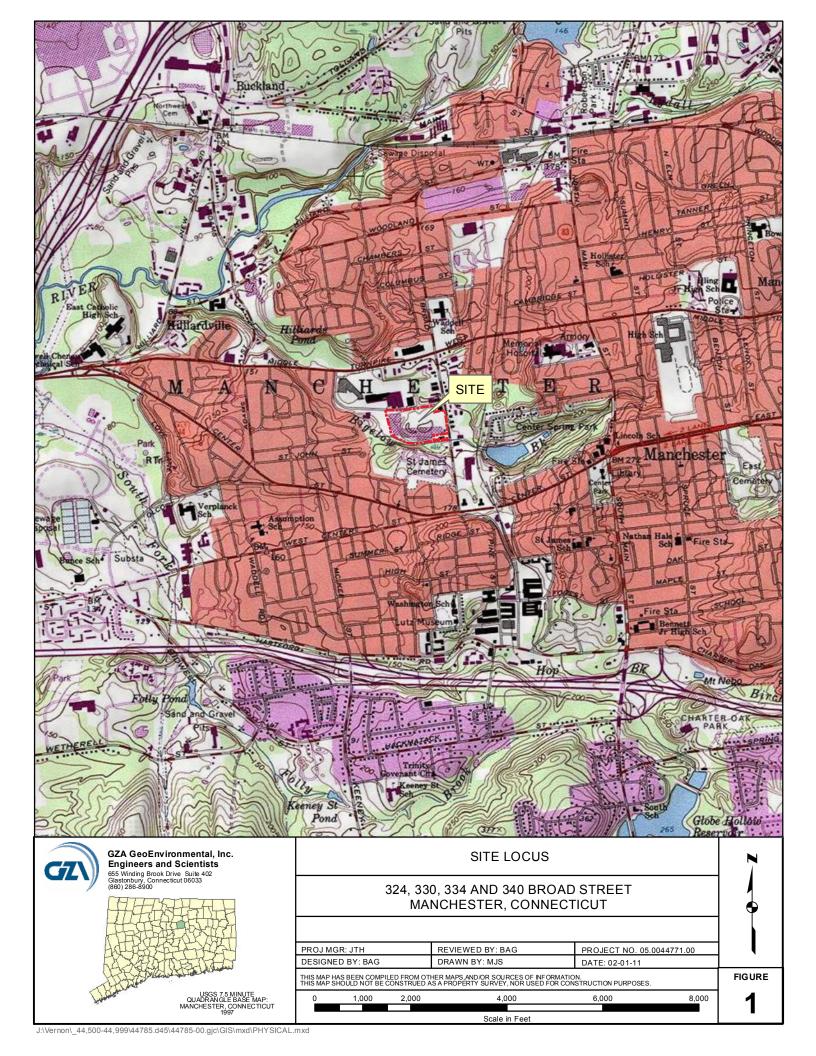
CT WQS = Connecticut Water Quality Standards

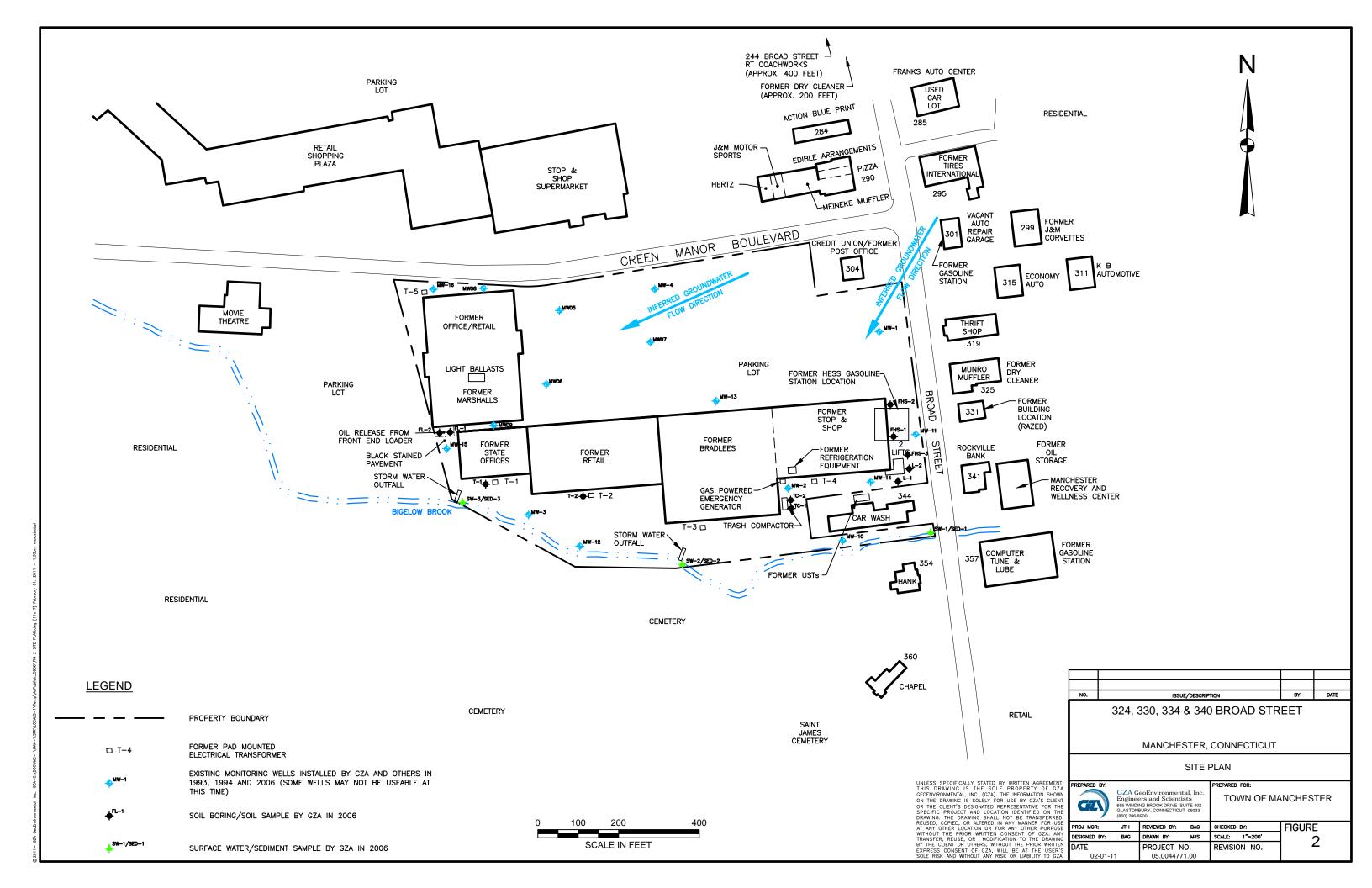
Samples were analyzed for VOCs by EPA Method 8260

Only those compounds found above laboratory detection limits are listed. See lab reports for full list of analytical parameters tested.

\*CT WQS values extracted from the Connecticut Water Quality Standards effective December 17, 2002









APPENDIX A LIMITATIONS

### GEOHYDROLOGICAL LIMITATIONS

- 1. The conclusions and recommendations submitted in this report are based in part upon the data obtained from a limited number of soil samples from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further investigation. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the recommendations of this report.
- 2. The generalized soil profile described in the text is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more gradual. For specific information, refer to the boring logs.
- 3. Water level readings have been made in the test pits, borings and/or observation wells at times and under conditions stated on the exploration logs. These data have been reviewed and interpretations have been made in the text of this report. However, it must be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.
- 4. Except as noted within the text of the report, no quantitative laboratory testing was performed as part of the site assessment. Where such analyses have been conducted by an outside laboratory, GZA has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data.
- 5. The conclusions and recommendations contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. As indicated within the report, some of these data are preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by GZA, and the conclusions and recommendations presented therein modified accordingly.
- 6. Chemical analyses have been performed for specific parameters during the course of this study, as detailed in the text. It must be noted that additional constituents not searched for during the current study may be present in soil and groundwater at the site.
- 7. It is recommended that this firm be retained to provide further engineering services during design, implementation, and/or construction of any remedial measures, if necessary. This is to observe compliance with the concepts and recommendations contained herein and to allow design changes in the event that subsurface conditions differ from those anticipated.

- 8. The costs on which the preliminary remediation estimate is based are limited to those conditions which were discovered in carrying out the assessment of subsurface contamination identified in this report. Actual quantities and unit costs will vary. While the preliminary estimate represents our best professional judgment in this matter, it does not represent an absolute worst-case remedial cost estimate. The preliminary estimate includes only those cost items identified, and should not be assumed to include other costs such as legal, administrative or permitting costs.
- 9. The estimate is based on limited data which may not be sufficient to identify each and every condition existing at the site which may constitute noncompliance with applicable governmental statutes, rules, and regulations or constitute a release of oil or hazardous materials.
- 10. The preliminary estimate does not include any element with respect to third-party claims, fines, penalties, or other charges which may be assessed against any responsible party because of either the existence of present conditions or the future existence or discovery of any such conditions.
- 11. Governmental agencies' interpretations, requirements, and enforcement policies vary from district office to district office, from state to state, and between federal and state agencies. In addition, statutes, rules, standards, and regulations may be legislatively changed and inter-agency and intra-agency policies may be changed form present practices. GZA has used its experience and judgment in making assumptions as to how anticipated changes in enforcement policies may affect remediation costs.
- 12. This report contains approximate cost estimates for purposes of evaluating alternative remedial programs. These estimates involve approximate quantity evaluations. A preliminary estimate of this nature is likely to vary substantially from Contractors' Bid Prices and is not to be considered the equivalent of nor as reliable as Contractors' Bid Prices. Prices for similar work undertaken in the future will be subject to general and sometimes erratic price increases. The costs of future environmental, technical, and engineering services which may be required to implement any corrective action or remediation or installation of any systems cannot be accurately estimated.
- 13. It is recommended that GZA be retained to provide engineering services during final design, construction and/or implementation of any remedial measures recommended in this report. This is to allow to observe compliance with the concepts and recommendations contained herein, and to allow the development of design changes in the event that subsurface conditions differ from those anticipated.

M:\STND\LIMITS\GEO-HYD.DOC

SITE	PHOTOGRAPHS A	APPENDIX B AND HISTORICAL	AERIAL PHOTOG	RAPHs



View southerly of the western Site building.



View southeasterly of the southern Site building.

Garbage compacter located adjacent to the northeastern corner of the building north of the battery enclosure.



Garbage compactor south of the former Stop & Shop.



View north of the southern wall of the former retail units.



Fenced-in area where leaking backhoe was parked in 2006.



View of the rear of the former Stop & Shop and former transformer location.



Inside the former Stop & Shop.



Floor drain inside the former Stop & Shop.



# The EDR Aerial Photo Decade Package

Vacant Retail Building Broad Street/Green Manor Blvd Manchester, CT 06040

**Inquiry Number: 1749098.13** 

**September 07, 2006** 

# The Standard in Environmental Risk Management Information

440 Wheelers Farms Road Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone:

1-800-352-0050

Fax: Internet: 1-800-231-6802 www.edrnet.com

# **EDR Aerial Photo Decade Package**

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

#### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

# **Date EDR Searched Historical Sources:**

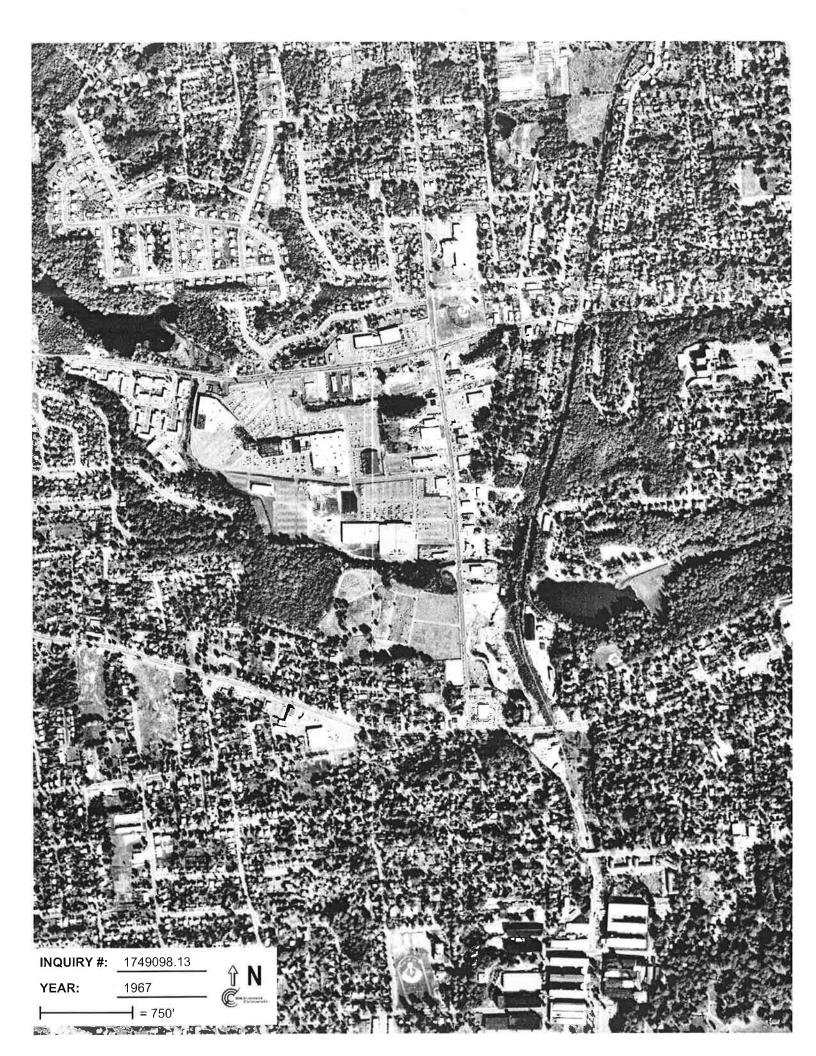
Aerial Photography September 07, 2006

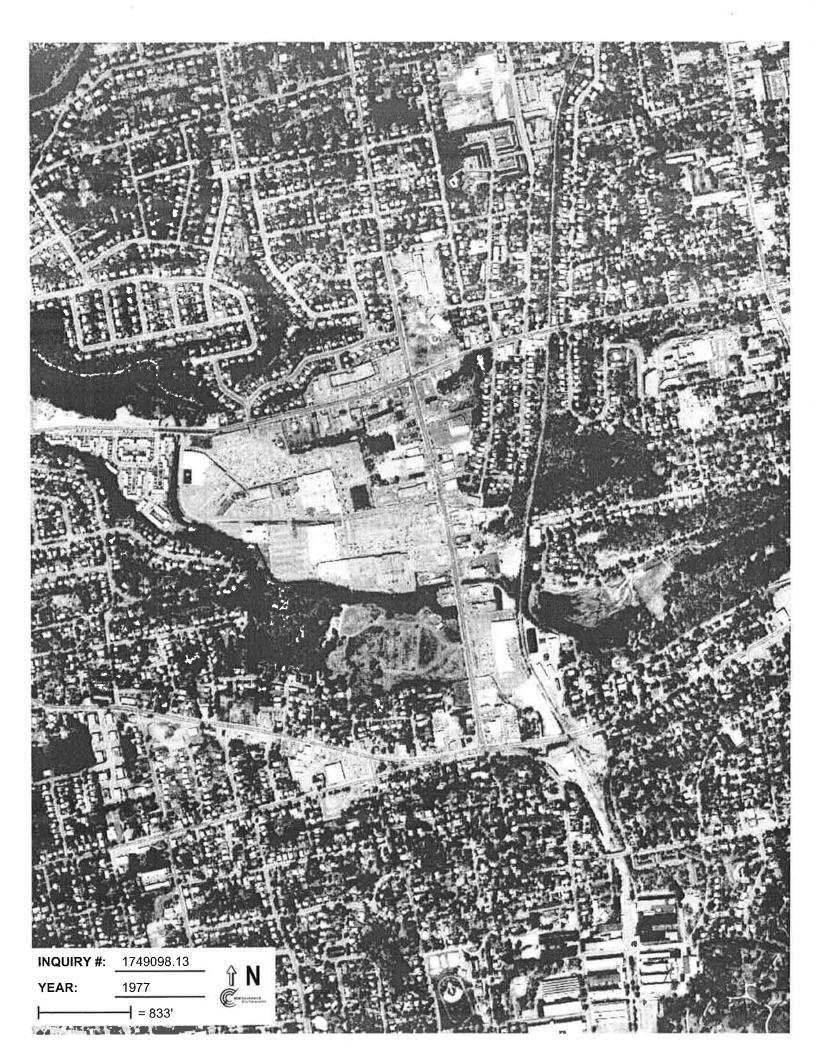
# **Target Property:**

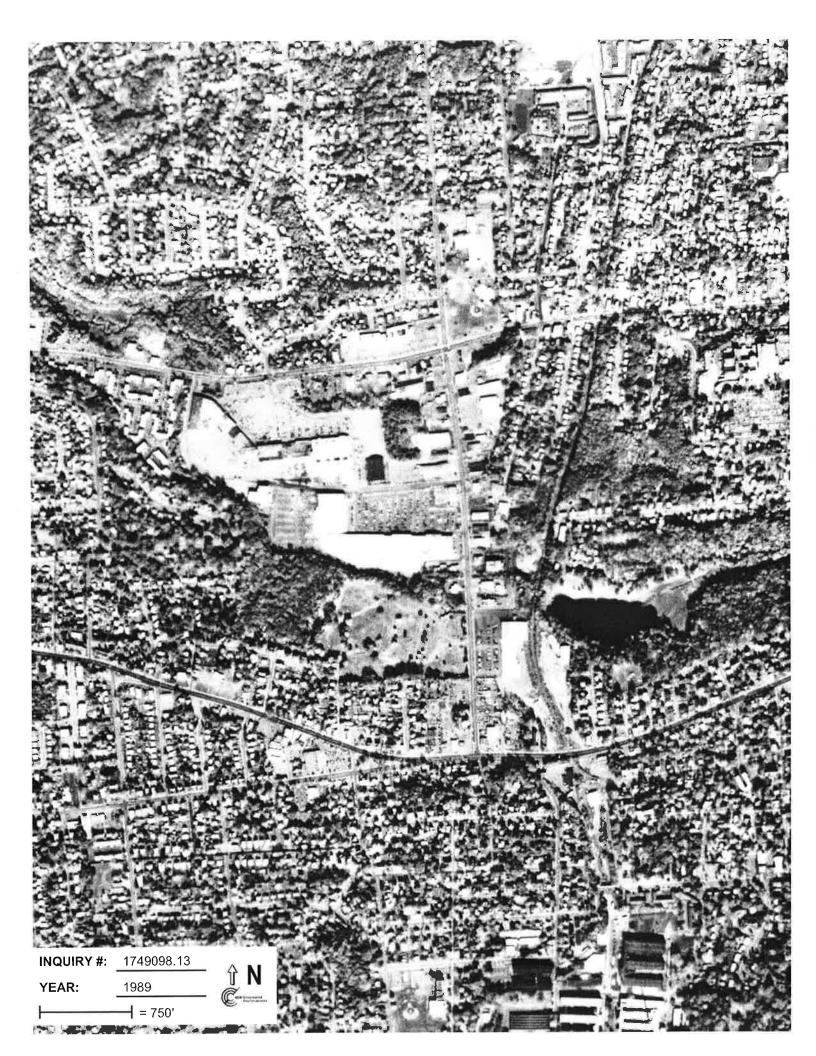
Broad Street/Green Manor Blvd Manchester, CT 06040

Year	Scale	<u>Details</u>	Source
1957	Aerial Photograph. Scale: 1"=750'	Panel #: 2441072-G5/Flight Date: September 28, 1957	EDR
1967	Aerial Photograph. Scale: 1"=750'	Panel #: 2441072-G5/Flight Date: October 07, 1967	EDR
1977	Aerial Photograph. Scale: 1"=833'	Panel #: 2441072-G5/Flight Date: May 14, 1977	EDR
1989	Aerial Photograph. Scale: 1"=750'	Panel #: 2441072-G5/Flight Date: June 01, 1989	EDR
1997	Aerial Photograph. Scale: 1"=833'	Panel #: 2441072-G5/Flight Date: March 24, 1997	EDR

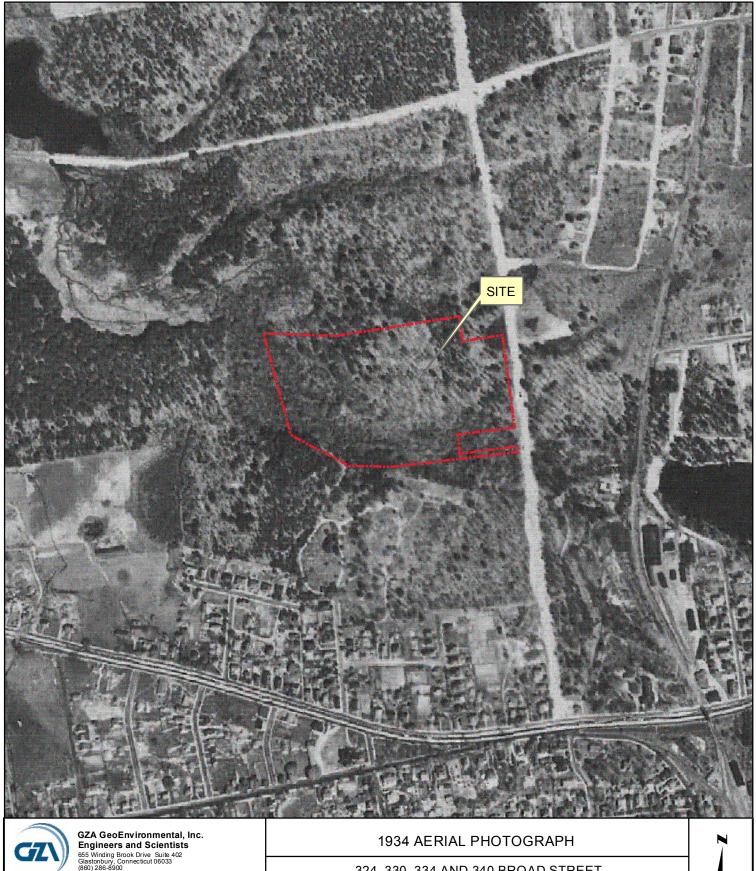




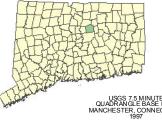












324, 330, 334 AND 340 BROAD STREET MANCHESTER, CONNECTICUT

PROJ MGR: JTH	REVIEWED BY: BAG	PROJECT NO. 05.0044771.00
DESIGNED BY: BAG	DRAWN BY: MJS	DATE: 02-01-11

THIS MAP HAS BEEN COMPILED FROM OTHER MAPS, AND/OR SOURCES OF INFORMATION. THIS MAP SHOULD NOT BE CONSTRUED AS A PROPERTY SURVEY, NOR USED FOR CONSTRUCTION PURPOSES

2,000 Scale in Feet





USGS 7.5 MINUTE QUADRANGLE BASE MAP: MANCHESTER, CONNECTICUT 1997

### 1991 AERIAL PHOTOGRAPH

324, 330, 334 AND 340 BROAD STREET MANCHESTER, CONNECTICUT

DDO I MOD. ITII	DEVIEWED DV. DAG	DDO 1507 NO. 05 004 4774 00
PROJ MGR: JTH	REVIEWED BY: BAG	PROJECT NO. 05.0044771.00
DESIGNED BY: BAG	DRAWN BY: MJS	DATE: 02-01-11

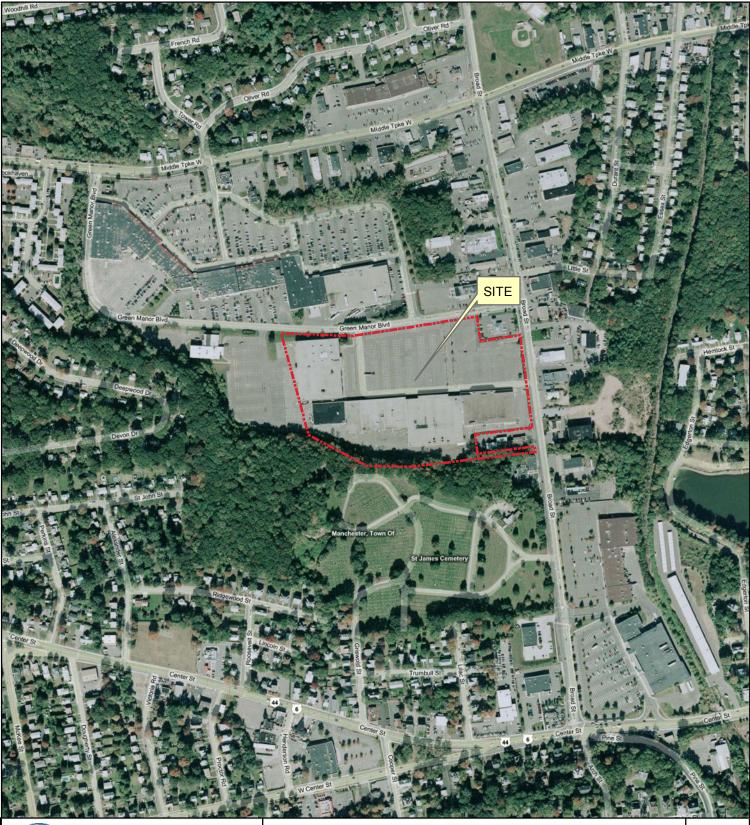
THIS MAP HAS BEEN COMPILED FROM OTHER MAPS,AND/OR SOURCES OF INFORMATION.
THIS MAP SHOULD NOT BE CONSTRUED AS A PROPERTY SURVEY, NOR USED FOR CONSTRUCTION PURPOSES.

0 250 500 1,000 1,500 2,000

Scale in Feet



FIGURE





GZA GeoEnvironmental, Inc. Engineers and Scientists 655 Winding Brook Drive Suite 402 Glastonbury, Connecticut 06033 (860) 286-8900



### 2004 AERIAL PHOTOGRAPH

324, 330, 334 AND 340 BROAD STREET MANCHESTER, CONNECTICUT

MICROSOFT VIRTUAL EARTH AERIAL PHOTOGRAPH

 PROJ MGR: JTH
 REVIEWED BY: BAG
 PROJECT NO. 05.0044771.00

 DESIGNED BY: BAG
 DRAWN BY: MJS
 DATE: 02-01-11

THIS MAP HAS BEEN COMPILED FROM OTHER MAPS, AND/OR SOURCES OF INFORMATION. THIS MAP SHOULD NOT BE CONSTRUED AS A PROPERTY SURVEY, NOR USED FOR CONSTRUCTION PURPOSES.

0 250 500 1,000 1,500 2,000

Scale in Feet

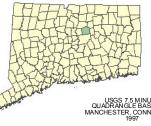


FIGURE





GZA GeoEnvironmental, Inc. Engineers and Scientists 655 Winding Brook Drive Suite 402 Glastonbury, Connecticut 06033 (680) 286-8900



### 2006 AERIAL PHOTOGRAPH

324, 330, 334 AND 340 BROAD STREET MANCHESTER, CONNECTICUT

 PROJ MGR: JTH
 REVIEWED BY: BAG
 PROJECT NO. 05.0044771.00

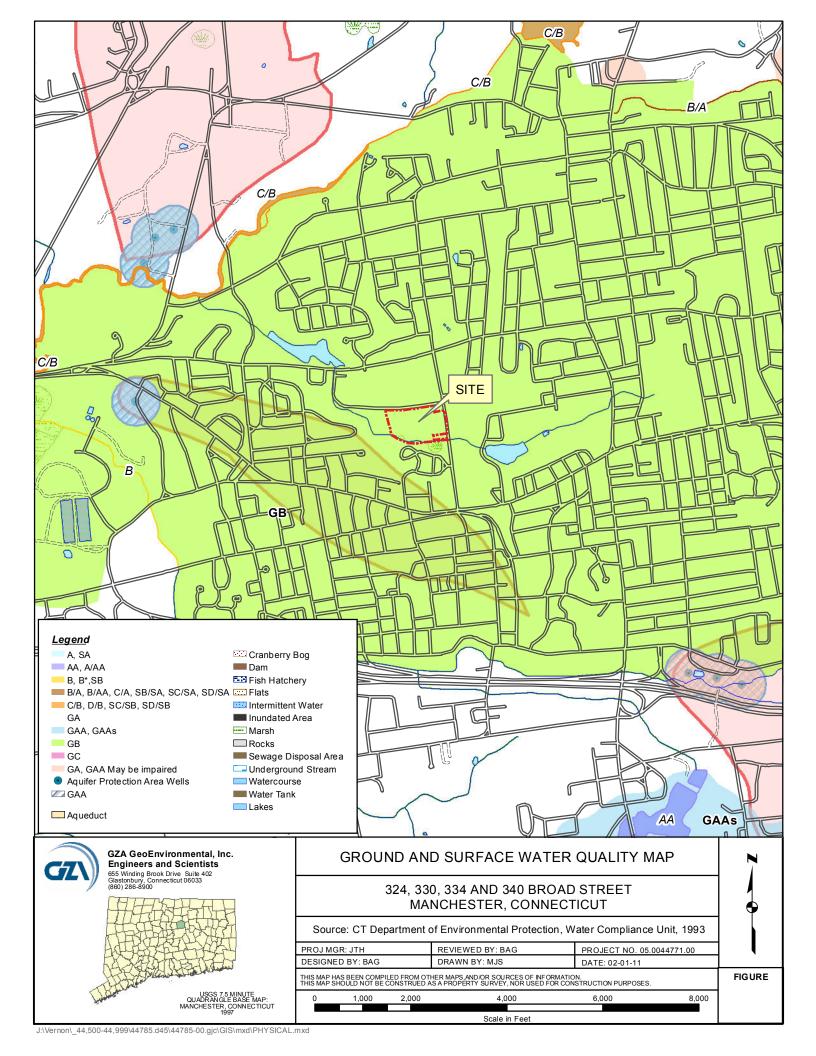
 DESIGNED BY: BAG
 DRAWN BY: MJS
 DATE: 02-01-11

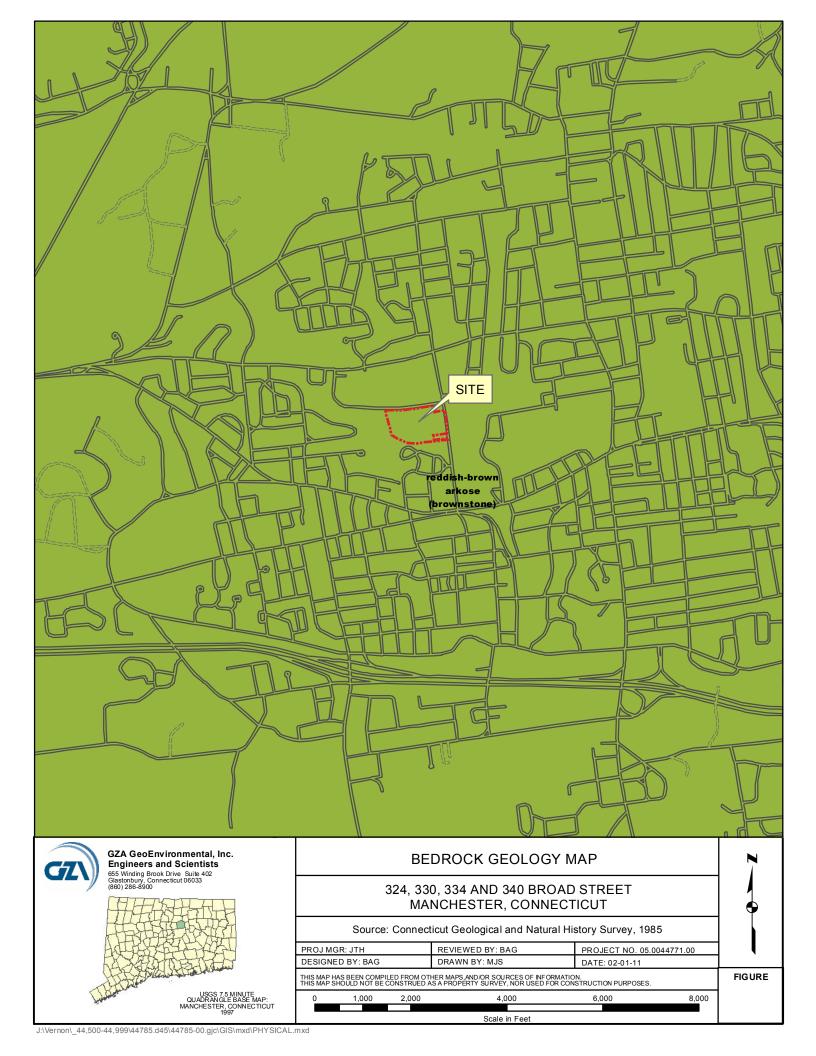
THIS MAP HAS BEEN COMPILED FROM OTHER MAPS, AND/OR SOURCES OF INFORMATION. THIS MAP SHOULD NOT BE CONSTRUED AS A PROPERTY SURVEY, NOR USED FOR CONSTRUCTION PURPOSES.

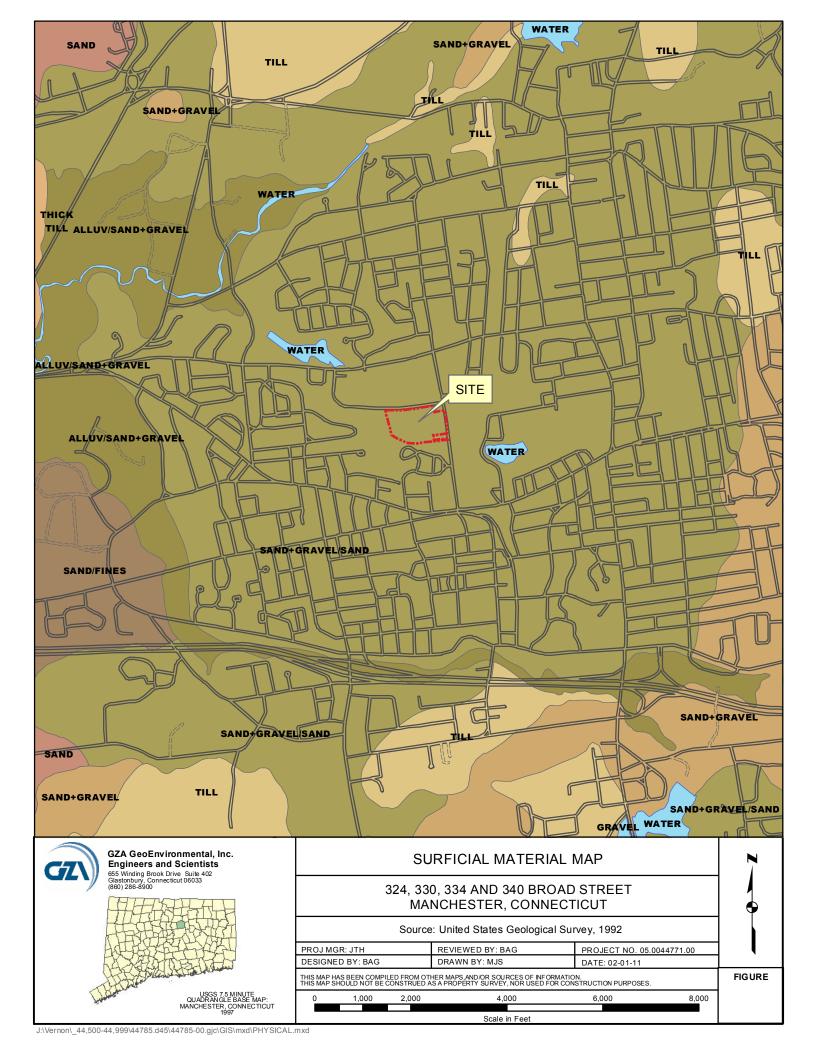
0 250 500 1,000 1,500 2,000 Scale in Feet

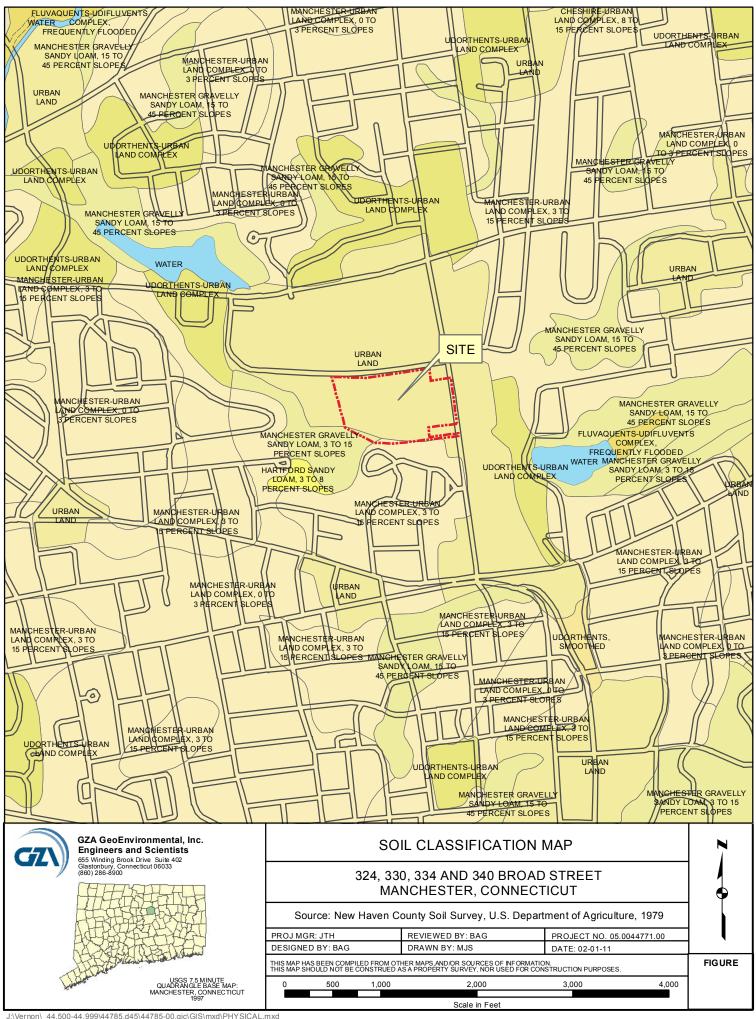


APPENDIX C GIS MAPS









### APPENDIX D PREVIOUS ENVIRONMENTAL REPORTS

PROPOSED STOP AND SHOP SITE MANCHESTER, CONNECTICUT

Prepared for:

Stop and Shop, Inc. Boston, Massachusetts

Prepared by:

Goldberg-Zoino & Associates, Inc. Newton Upper Falls, Massachusetts

File No. G-3550 February, 1983

= ==

-26

### BACKGROUND

The proposed site is located on Broad Street, adjacent to an existing Bradlees building, and is currently used as a parking area. At the east end of the site is an abandoned gas station. South of the site is an existing Shell gas station. Further south of the Shell Station is Bigelow Brook, running from east to west. The site layout and proposed building location are indicated on Figure 1.

Current grades in the proposed building area generally slope from east to west, ranging from approximately elevation 138 to 133.

According to plans prepared by Linenthal Eisenberg Anderson, Inc. (LEA) the finish floor elevation for the proposed building will be 136. (All elevations cited refer to Town of Manchester Datum).

Subsurface explorations for the proposed building, including borings and test pits, were executed in several phases by Clarence Welti Associates covering a period from July 1981 to June 1982. The locations of the borings and test pits are shown on Figure 1 and a copy of Welti's boring and test pit logs are attached in Appendix A. Subsurface conditions as indicated by these logs consist primarily of fine to medium and fine to coarse sand, except in the south end of the site where up to 14 feet of fill was encountered over the sand deposits. The fill is described as consisting primarily of sand with lesser amounts of topsoil, wood, and silt, except in the southwest section of the building area where the test pits indicate the presence of "organic material" (no further description in logs). Supplemental information provided by an LEA representative who viewed the test pits indicated that the organic material consisted of matted roots, branches, and occasional stumps.

.

During the course of the explorations, a gasoline odor was reported in some of the boring samples and in some of the test pits located primarily in the southeast quadrant of the site. In November 1982, at the request of LDA, GZA became involved to further study the extent of gasoline contamination in the soil and groundwater. Five shallow test borings (Gz-1, GZ-2, Gz-2A, Gz-3, and Gz-4) were subsequently made in the southeast section of the site by Welti Associates on November 4 and 8, 1982. Boring locations are indicated on Figure 1. A representative of GZA observed and logged the borings (logs are included in Appendix B). At the completion of each boring (except boring GZ-2), a l-1/2-inch PVC observation well was installed with a 10-foot wellscreen spanning the observed water table. Two additional observation wells, GZ-5 and GZ-6, were installed on December 2, 1982 by Welli Associates at locations selected by GZA, although GZA did not observe well installations. Logs of GZ-5 and GZ-6 prepared by Welti are included in Appendix A.

-

# OIL AND GROUNDWATER CONDITIONS

The seven borings performed for GZA generally confirmed the subsurface profile indicated by the previous Welti borings. Natural soils encountered in the GZA borings consisted primarily of fine and fine to medium sands. Fill was encountered in borings GZ-1, GZ-2, GZ-2A, GZ-3, and GZ-6, varying in thickness from

op & Shop, Inc. - File No. G-3550 - February 1, 1983 -

2 to 9 feet, and consisted of sand, peaty sand, and gravel with a small volume of organic materials. Except for a thin layer of peat in G2-2, the G2h borings indicated no distinct compressible layer within the fill. Where observed, particularly in G2-2h, organic materials were mixed with silt, sand, and gravel. Contours indicating the approximate thickness of fill over the building area are shown on Figure 2.

Groundwater was encountered in the observation wells at depths of approximately 6 to 8 feet below ground surface, which corresponds to a groundwater level between approximately elevation 129.6 and elevation 130.6. Groundwater levels measured at the six wells on December 22, 1982 are illustrated on Figure 3 as is the brook elevation on this date. On the basis of these readings, groundwater flow direction appears to be to the southwest flow direction appears to be to the southwest of the southwest with general hydrogeologic interpretation which would suggest that flow is generally toward Eigelow tion which would suggest that flow is generally toward Eigelow during the earlier borings and test pits also suggests an east during the earlier borings and test pits also suggests an east to west, or northeast to southwest, direction of flow). It to west, or northeast to southwest, direction of flow changes in season, temperature, rainfall, and other factors which differ from those existing at the time these readings were made.

# SOIL AND GROUNDWATER CONTAMINATION

-

There is evidence of contamination by gasoline in both the soil samples obtained during drilling and the groundwater samples obtained from the observation wells.

of the five borings observed by GZA, the soil samples from GZ-3 appeared to be most contaminated. From a depth of approximately feet to 10 feet, split spoon samples smelled strongly of gasoline 7 feet to 10 feet, split spoon samples smelled strongly of gasoline and also possessed a sheen indicative of gasoline. A lesser but still noticeable odor of gasoline was detected in GZ-2 and but still noticeable odor of gasoline were noted in GZ-1 GZ-2A. No significant signs of gasoline were noted in GZ-1 and GZ-4. Subsequent gas chromatograph (GC) and organic vapor content analyses performed on November 16, 1982, by GZA on soil content analyses performed on November 16, 1982, by GZA on soil indicating high levels of benzene and toluene (constituents indicating high levels of benzene and toluene (constituents those samples within the upper several feet of the groundwater those samples within the upper several feet of the groundwater table. The results of these analyses are summarized in Table 1.

Three rounds of groundwater sampling were done on November 12, December 6, and December 10, 1982. The first set of samples (taken prior to installation of GZ-5 and GZ-6) produced the following results: samples from GZ-2A and GZ-3 smelled of gasoline following results: samples from GZ-2A and GZ-3 smelled of gasoline and were slightly discolored, while samples from GZ-1 and GZ-4 had a very slight gasoline odor (if at all) and were clear. The second and third rounds included samples from all six wells. Samples from GZ-3 and GZ-5, the wells closest to the abandoned samples from GZ-3A and GZ-6 also had a gasoline. The samples from GZ-2A station, smelled strongest of gasoline. The samples from GZ-2A sexhibited no significant gasoline odor. The remaining two samples were performed on December 17, 1982 by GZA on the six samples obtained on December 10, 1982. The results indicated the presence of toluone in samples from GZ-2A, GZ-3, GZ-5, and GZ-6 and are summarized in Table 2.

It should be noted that of the samples obtained that smelled of gasoline, none consisted of pure or near pure gasoline, but of gasoline-contaminated groundwater. While pure gasoline would of gasoline-contaminated groundwater surface (due to its form a layer or lens on the groundwater surface (due to its form the upper layers of the groundwater regime. The latter state in the upper layers of the groundwater regime. The latter appears to be the case here. In effect, the constituents of appears to be mixed with the groundwater in samples gasoline appear to be mixed with the groundwater in samples from G2-2h, G2-3, and G2-5. It should also be recognized, however, that the absence of a distinctive odor in the other samples does not necessarily indicate that low levels of contamination are not present.

Based on this information, as well as observations noted in kelti's logs, the approximate limits of contaminated groundwater and soil are as shown on Figure 4. It is expected that the contamination is limited to a zone in the upper several feet of the groundwater table, as observed in G2-3. The actual thickness of this layer is difficult to quantify because of the mixing of this layer is difficult to quantify because of the mixing contaminated groundwater rather than a zone of gasoline. Contaminated groundwater rather than a distinct layer of gasoline. It is anticipated that concentrations of dissolved gasoline would decrease with depth below the water table within this zone, grading gradually to "clean" groundwater.

The source of contamination is believed to be the abandoned gas station as opposed to the existing station primarily because of the strong indication of gasoline in GZ-3 and GZ-5, located closest to the old underground tanks. It is unlikely that the Shell Station could be the source of contamination since the

Stop & Shop, Inc. - File No. G-3550 - February 1, 1983 -

predominant direction of groundwater flow appears to be to the southwest. For gasoline to migrate from the Shell tanks to GZ-3 and GZ-5, there would have to be a component of flow to the north, away from Bigelow Brook. Given the observed water level in the brook in relation to groundwater levels within the site (Figure 3) however, it is more likely that flow is toward the brook. Under this assumption, flow from the Shell tanks would be away from the site (southwest).

VOLATILE ORGANIC ANALYSES - PORTABLE GC-SOIL SAMPLES

	GZ-4	G2-3	GZ-2A		GZ-1	Sample
დ დ 	S-2 S-3	S S S S S S S S S I I I I I I I I I I I	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-1 S-2	Sample Number
6.5.7 6.5.7 7.8 10.12	2'-4'	0'-2' 2'-4' 4'-6' 6'-8' 8'-10'	0 2 2 4 4 6 6 8 9 9	4'-6' 6'-8' 8'-10' 12.5'-14.5'	2'-4'	Sample Number Depth
140.0 54.0 3.0 7.0	14.0 4.5 320.0	5.0 6.5 7.0 <1000 350.0	20.0 250.0 550.0 900.0 650.0	2.0 44.0 38.0	52.0 52.0	Organic Vapor Content (1) ppm
	No significant peaks	Benzene Toluene Ethyl Benzene	Benzene	91	No significant peaks	(2,3) GC Analyses

---

### NOTES:

~~

- Organic vapor contents are headspace analyses referenced to a methane in air standard. Results reported in parts per million (ppm). A Century Systems Model OVA-128 organic vapor analyzer was employed for all analyses. Injection size was 3 c.c. unless otherwise indicated.
- 2 G.C. analysis results represent tentative compound identifications made by comparison of peak elution times to retention times of known compounds. (From prepared standard solutions).

-

---

ω GC analyses were performed on the sample from each boring registering the highest organic vapor content.

VOLATILE
ORGANIC
ANALYSE
TABLE 2 S - PORTABLE
GC-GROUNDWATER
SAMPL

2	Collection	Volatile Organics Analysis Results1 Compound Peak Height	Analysis Results Peak Height
Number	0000		
G2-1	12/10/82	Toluene	0.1
GZ-2A	12/10/82	Toluene	0.4
GZ-3	12/10/82	Toluene	0.4
GZ-4	12/10/82	ND	
G2-5	12/10/82	Toluene	0.2
G2-6	12/10/82	Toluene	0.4

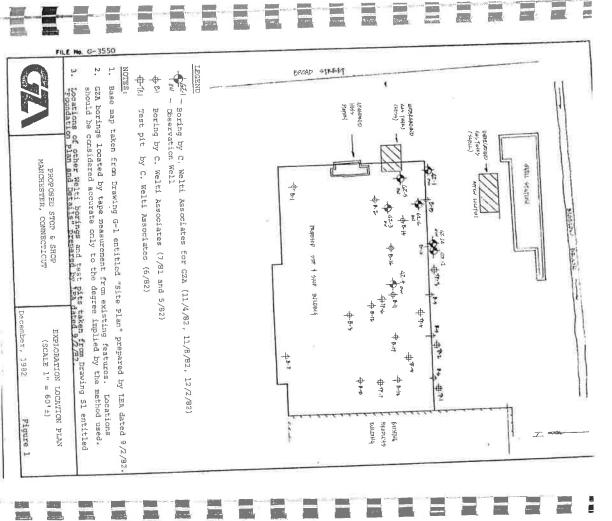
### Notes:

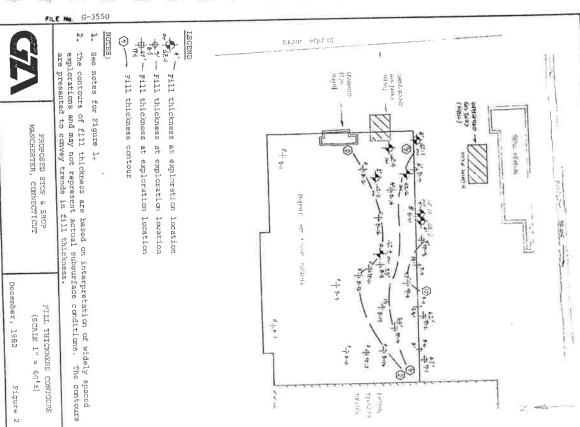
788

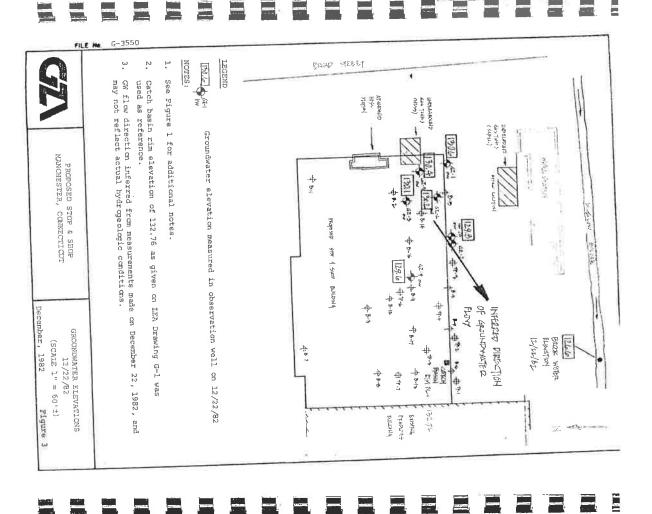
\_\_\_

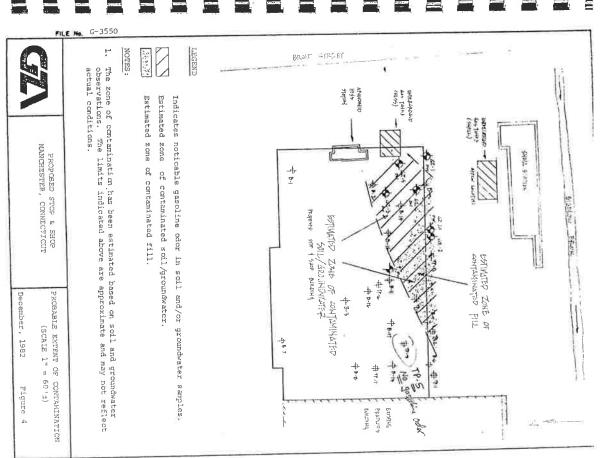
10

- Volatile organic analyses with a Century Systems Model OVA-128 organic vapor analyzer/gas chromatograph employing headspace techniques. Sample injection size = 0.20 cc. Column employed was 12 long (T-12), packed with 10 percent 1, 2, 3 TRIS propage on 60/80 mesh chromosorb P, AW. No indicates volatile organics not detected.
- Toluene identification made by matching peak elution time to retention time of prepared standard. Identification should be considered tentative only.
- w Peak heights read directly from chromatograms in inches.
- 4 of compound concentrations only and should not be construed as actual quantitative data. Estimated calibration factor to convert peak height to toluene concentrations: 0.1" = 0.05 Peak heights reported should be considered relative measurements







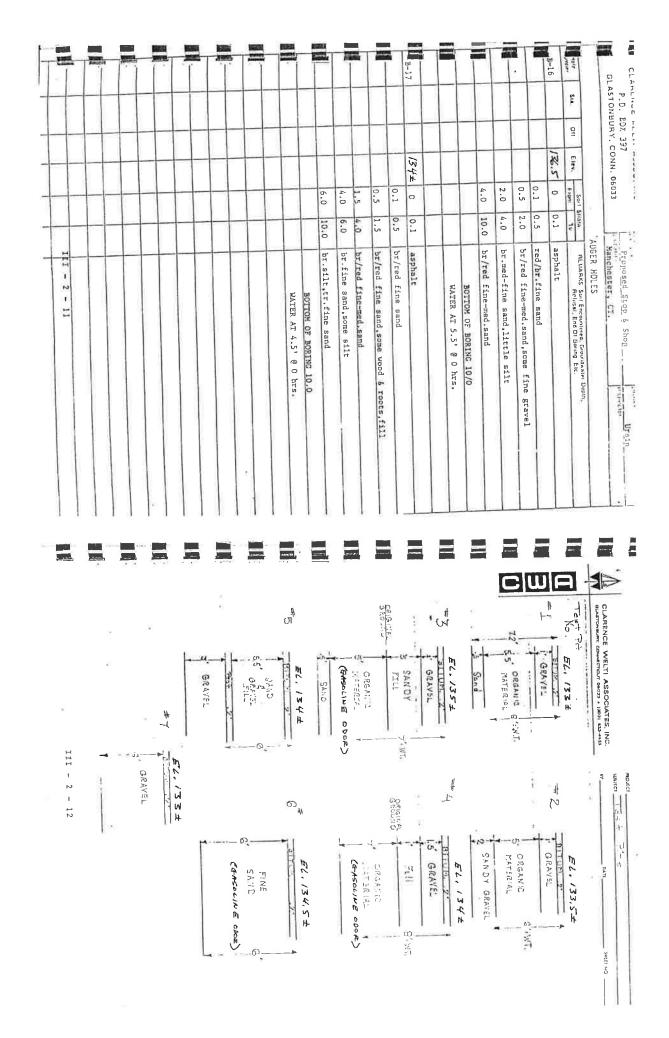


SEUT SPOON III -	CLARENCE WELTI ASSOCINC. P.O.BOX 387 GLASTONBURY.CONN.06033  BORING NO. B-1  LINE & STA  OFFSET OFFSET T. J 372.7 ±  GR. ELEV. J 372.7 ±  BLOWS A STRATUM DESCRIPTION PER.5" B  br. fine-crs.sand, tr.fine gravel tr.fine gravel 15.0  **blacktop  MATER AT 7.5 @ 0 hrs.  DATE: 7/23/81  DATE: 7/23/81
DATE: 7/23/81 DRILLER: BARACCO  Trip Paniers # 11/27  AND - 40 to 50% SOME - 10 to 40% TRACE - 0 to 10%	BORING NO
1. COL. A Strata depth 2. COL. B 107; FALL 20" 4. SAMPLER = 0.D. SPLIT SPOON 5. GWT = GROUND WATER	CLARENCE WELTI ASSOCINC.  P.O. BOX 137 GLASTONBURY, CONN. 08033  BORING NO.  B 3  LINE & STA.  OFFSET.  OFFSE
The Princes \$ 1127  AND - 40 to 50%  SOME - 10 to 40%  TRACE - 0 to 10%	BORING NO. B-C LINE & STA.  OFFSET GR. ELEV. /37±  BLOWS A STRATUM DESCRIPTION PER.E. BLOWS tr. silt, fill  ##blk. fine sand, ftr. organic material, tr. organic material, tr. and sand, blk. silt In layers  DATE: 7/23/81 DRILLER: BARACCO

1. COL. A STRATA depth 2. COL. B 3. HAWMER = 100, FALL 30" 4. SAMPLER =	red fine-med.sand 18.0 red fine sand.  al.5 BOTTON OF BORING 21 WALEK AL 5 8 0 11 BATE: 5/11/82 DATE: 5/11/82 DRILLER: BROWLEY	CLARENCE WELTI ASSOC., INC. PO.BOX 397 GLASTONBURY, CONN. DE033  BORING NO. 5 LINE & STA. OFFSET 794 32 GR. ELEV 194 32  STRATUM DESCRIPTION 4.0 fine sand bit, fine and 6 silt, some wood, some topsoil
III - 2 - 7	2-3-2 8-10-12 16-5 6-9-11	"BORING LOG"  BORING NO. LINE & STA. OFFSET. GR. ELEV BLOWS PER_6" B 2.0 blk.bu w/tree 6.0 med.ss
RECEIVED MAY 14 1882  LINENTHAL-EISENBERG  AND -40 to 50%  SOME -10 to 40%  TRACE - 0 to 10%	tr.crs.sand 7-9-12  **red/br.fine-med. sand,little silt  BOTTOM OF BORING 16. 5  WATER AT 4' @ 0 hrs.  DATE: 5/11/82 DRILLER: BROWLEY	CLIENT LINENTHAL, EISENBERG, ANDERS CCLIENT LINENTHAL, EISENBERG, ANDERS BORN LET LEV. /33.07  BLOWS STRATUM DESCRIPTION PER_6" B ST
1. COL. A STRATA depth 2. COL. B 2. COL. B 3. HAMMER = 140; FALL 30" 4. SAMPLER = O.D. SPUT SPOON 5. GWT = GROUND WATER	BOTTOM OF BORING 21. WATER AT 4' @ 0 hrs. DATE: 5/11/82 DRILLER: BROWLEY	CLARENCE WELTI ASSOC., INC. P.D.BOX 197 GLASTONBURY, CONN. 01033 BORING NO. 7 LINE & STA. OFFSET OFF
111 - 2	7-9-10 5-9-11 6-8-12 5*	"BORING LOG"  BOR LINI OFFER 6"  BLOWS PER 6" B A 2-3-3
RECEIVED  NAY 14 1892  LINENTHALLEISS VEERG  AND -40 to 50%  SOME -10 to 40%  Trio Printers 811:27	red fine sand, tr.silt  **br.fine-crs.sand & gravel BOTTOM OF BORING 16. 5' WATER AT 3.5' @ 0 hrs.  DATE: 5/11/82 DRILLER: BROMLEY	BORING NO. 8  LINE & STA. OFFSET

CLARENCE WELTI ASSUCTION
P.O. BOX 397
GLASTONBURY, CONN. 06033 -10 1 Š 9 m Fee 133.5 134.7 136± 0.1 2.0 3.5 3.0 0.1 11.0 9.0 0 0.1 8,0 5.0 3.5 1.0 0 1.0 8.5 7.5 0 15.0 0.1 11.0 2.0 0.1 1.0 9.0 υ . ٠. 0 10.0 8.0 5.0 5.5 0.1 8.5 10.0 1.0 Proposed Stop & Shop AUGER HOLES br/red fine-med.sand, some silt, tr.crs.sand red/br.med.sand, little fine gravel, tr.silt asphalt little wood, some fine sand, fill red/br.fine sand fine gravel, little red/br.fine sand fine gravel, some fine-med. sand drk.br/blk.fine-med.sand br/red fine sand, tr.med.sand br/red fine-med.sand.tr.fine gravel in layers drk.br/blk.sand, some roots, fill br/red fine-crs.sand, tr.fine gravel asphalt br/red fine-med.sand,tr.fine gravel blk.silt,some roots tr.topsoil.blk.fill red/br.fine-crs.sand, rr.fine gravel in layers blk.topsoil, some roots in layers, some blk.silt,fill br/red fine sand, some silt REMARKS Soil Encountered Grownshater Dublic, Refusal, End DI Boring, Etc. br/red med.sand asphalt WATER AT 4.5' @ 0 hrs. BOTTOM OF BORING 15.0 WATER AT 5.5' @ 0 hrs. BOTTOM OF BORING 10.0 BOTTOM OF BORING 10.0 WATER AT 8.5' @ 0 hrs. W SHINE -

OII   EIEV   SOII SUMMAN
Sell Strain
Ott   Elev.   Soll Smark   From   The
Ott   Elev.   Soli Strain,
Sin. Ott Elex. Soil Swall.    755± 0 0.1 0.7 1 0.7 1 0.7 1 0.7 1 0.8 1 0.8 4.0 7.0 10.0 10.0 10.0 10.0 10.0 10.0 10.
Ott Elev. Soil Smark.    Ott   Elev.   Soil Smark.   1/35±   0   0.1   0.7   1/4   0.7   1/4   0.7   1/4   0.7   1/4   0.7   1/4   0.7   1/4   0.1   0.8   4.0   7.0   1/4   0.1   2.0   0.1   0.0   1/4   0.1   0.1   0.0   0.0   0.1   0.0   0
Ott Elev. Soil Smark.    Ott   Elev.   Soil Smark.   The   T
Sib. Ott Elex. Soil Swarth.    735± 0 0.1 0.7     0.7 6.0 1 0.7     0.7 6.0 1 0.0 1     0.7 0.0 1 0.8     0.8 4.0 7.0     0.8 4.0 7.0     137± 0 0.1     137± 0 0.1     137± 0 0.1     2.0 4.0
SIN. OII EIEX. SOII SVANA. TAVEL TO OIL OIL OIL OIL OIL OIL OIL OIL OIL OI
TOTAL STATE OF SCRIPT STATE OF
Ott Elev. Soil Smain. 10 0.1 8 0.1 10.0 1 10.0 1 10.0 10.0 1
Ott Elev. Soil Smain, 1/2
Ott Elex. Soul Strain.    AUSER HOLES   Soul Encountered (Nounterance of the Price of Elex. Return)   From To O.1   Asphalt
OII EIEV. SOII SINAIA   1/35± 0 0.1   2.7   1/4
Ott Elev. Soil Smain.    735± 0 0.1   8     0.7 6.0   10.0   1     6.0 10.0   1     735± 0 0.1   0.8     735± 0 0 0.1     735±
AUSER HOLES  Out Elex. Soul Strain    735±   0   0.1   asphalt   0.1   0.7   red/br.fine sand.some silt   0.7   6.0   red/br.fine-med.sand.tr.crs.sand   0.8   0.1   0.8   br/red fine-med.sand.tr.very   0.8   0.1   0.8   br/red fine-med.sand.tr.very
OH ENAME THE MARKS.  OH SON
OH Elev. Sont Smale RI MARKS.    1354   0   0.1   asphalt
OH Elev. Son Smar. RI MARKS.    1554   0   0.1   asphalt
OH Elex. Soll Shahr.    735± 0 0.1 asphalt     0.7 6.0 red/br.f.     6.0 10.0 red fine
OII Elev. Son Smin To RI MARKS    1554 0 0.1 asphalt
OII Elev. Son Sman RIMARKS.    155±   0   0.1   asphalt
OH Elex. Son Shah. RI MARKS.    755± 0 0.1 asphalt   0.7 red/br.f.
OII Elev. Soil Shair PLMARKS.
Ott Elex Soil Shale RI MARKS
AUGER HOLES



1. COL. A Strata depth 2. COL. B 3. HAMMER = 1407; FALL 30" 4. SAMPLER =O.D. SPLIT SPOON 5. GWT = GROUND WATER		DATE: 12/2/82 DRILLER: URSIN	10' screen 4' riser 1 metal protector	gravel	red fine-med.sand, strong odor of gas		5.0 little fine gravel red fine-crs.sand	2.0 red fine-crs.sand 3.0 ** red fine-crs.sand,	GR. ELEY	BORING NO. GZ-5 LINE & STA. GZ-5	CLARENCE WELT! ASSOC., INC. P.O.BOX 397 GLASTONBURY. CONN. 06033
AND - 40 to 50%  SOME - 10 to 40%  TRACE - 0 to 10%		DATE: 12/2/82 DRILLER: URSIN	t ne flus	WATER AT 8' @ 0 hrs.	11-81-21 15.5 10-12-13	4-7-8 red fine-crs.sand 10-11-9	7-9-10 tr.wood,fill 10-5-3	some fine-med.gravel, odor of pertroeul.	BLOWS  BLOWS	BORING NO. GZ-6  LINE & STA. GFFSET	"BORING LOG" STOP & SHOP/Manchester

A ENGINEER WILLESS OF MANUES FALLING SO.  MAPLER: UNLESS OTHERWISE ACTED, ABMPLE STAFT STA	BORING Co. C. Walts	Welth Associates	SOTOTOS	BORING LOCATION.	138.6
TRI UNLESS OTTERWEE NOTES, SAMPLE CONSISTS OF A 2° SWLT SPOON DAWNER USING A 11/6 LACK CONFINENCE NOTES ON SOUTH NEAR YOUR WINNER SOUTH NAME THAT HE WEST OTTERS OT	GZA ENGINEER	Hadge		DATE START 11/8/	
SAMPLE DESCRIPTION  MA. STAPLE  SAMPLE DESCRIPTION  MA. STAPLE  SAMPLE DESCRIPTION  SAMPLE DESCRIPTION  STATUM DESCRIPTION  ST	SAMPLER: UNLESS C	THERWISE NO	TED, SAMPLER O		TIME TO SET TO THE TOTAL
SAMPLE DESCRIPTION  SAMPLE DESCRIPTION  SAMPLE DESCRIPTION  SITEMATOR DESCRIPTION  SITEMATO			5	29	H
S. 24.72	ASING (bV(t))	D S		DESCRIPTION	STRATUM
### Profession State Class   S				1	111 711
## Dotton of sparm, No gasoline cober.    1		_	22		ŀ
See 24/22 2-4 13 modium danse, red-brown, fine to 2 modium sAND, little fine Grevel, 2 modium sAND, little fine Grevel, 3 trace Silt, 10 quantine odor, 4 modium codor, 5 modium sAND, little fine Grevel, 5 modium codor, 5 modium sAND, little fine Grevel, 7 modium codor, 6 modium codor, 7 modium codor, 10 modium sAND, trace Silt, No quantine odor.  8-6 24/24 12.5-14.5 6 modium sAND, trace Silt, No quantine odor, 10 modium sAND, trace Silt, No quantine odor, 7 modium codor, 7 modium sAND, trace Silt, No quantine odor.  9 modium sAND, trace Silt, No quantine odor, 10 modium sAND,			34	trace Silt. Two inches of WEAT in bottom of spron. No dasoline odor.	11111
Seria 24/12 2-4 12 Accident dense, red-brown, fine to gravel, gravely size from Gravely, grav			91		Ediate
reach Silt. No quantine color.    24/15   4-5   6   6   Frace Silt. No quantine color.		2-4	12	, red-brown, fine to	73
Trace Silt. Vory sight Gascine SAND, 3  F-4 24/21 6-B 10 Vedium dense, red-brown, fine SAND, 3  F-4 24/22 9-10 6 Person Silt. No pascilne odor.  F-4 24/22 9-10 6 Person Silt. No pascilne odor.  F-4 24/22 9-10 6 Person Silt. No pascilne odor.  F-5 24/22 9-10 6 Person Silt. No pascilne odor.  F-6 24/24 12.5-14.5 6 Person SAND, trace Silt. No pascilne odor.  F-6 24/24 12.5-14.5 6 Person Silt. No pascilne odor.  F-7 Coort Silt. No pascilne odor.  F-8 29/15 COHESVE SOLS FRANCE SILT. No pascilne odor.  F-8 29/15 COHESVE SOLS FRANCE SILT. No pascilne odor.  F-9 Coort Silt. No pascilne odor.  F-1 Coort Silt. No pascilne odor.  F-1 Coort Silt. No pascilne odor.  F-1 Coort Silt. No pascilne odor.  F-2 Coort Silt. No pascilne odor.  F-3 Silt. No pascilne odor.  F-4 Sols COHESVE SOLS Silt. No pascilne odor.  F-4 Sols Cohesve Sols Silt. No pascilne odor.  F-1 Coort Silt. No pascilne odor.  F-2 Silt. No pascilne odor.  F-3 Silt. No pascilne odor.  F-4 Sols Cohesve Sols Silt. No pascilne odor.  F-5 Silt. Sols Silt. No pascilne odor.  F-6 Silt. No pascilne odor.  F-7 Cohesve Sols Silt. No pascilne odor.  F-7 Cohesve Sols Silt. No pascilne odor.  F-7 Cohesve Sols Silt. No pascilne odor.  F-8 Silt. No pascilne odor.  F-9 Silt. No pascilne odor.  F-9 Silt. No pascilne odor.  F-1 Silt. No pascilne odor.  F-2 Silt. No pascilne odor.  F-3 Silt. No pascilne odor.  F-2 Silt. No pascilne odor.  F	-		14	little fine Gravel,	
### Medium dense, red-brown, fine EAND, 2  #### Tyrace Silt, Very Silcht quantine  ###################################			o	No gusoline	
### 24/18 d=6					
## 24/24   2-14.5   6   Medium dense, red-brown, fine SAND, 3    ## 24/24   2-14.5   6   Medium dense, red-brown, fine SAND, 4   FINE SAND    ## 24/24   2-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown, fine synth, fine to describe odor.  ## 24/24   2.5-14.5   6   Medium dense, red-brown		$\pm$	3		+
S-6 24/24 9-10 6-8 10 Medium dense, red-brown fine SAND, 4 FINS SAND  in trace Silt. No gasoline odor.  S-6 24/24 9-10 6 Medium dense, red-brown, fine SAND, 4 FINS SAND  iithw filt. No gasoline odor.  S-6 24/24 12.5-14.5 6 Medium dense, red-brown, fine to gasoline odor.  To standard property to 10 feat. Then angered to 10 feat. Sample S-1 through S-3 were dry.  LOSSE 1-8 W. SIFF 4. Sample S-5 was wet.  4. Sample S-5 was wet.  5. Sample S-5 was wet.  5. Sample S-5 was wet.  5. Sample S-5 was wet.	1	+	e	dense, red-brown, fine SAID,	N.
### A 24/21 6-B 10 Medium donse, red-brown, fine SAND, A FINE SAND  ###################################	5		Un.	STATES ACCUSATIONS	
## 24/71 6-8 10 Wedium dense, red-brown fine SAND, 3  ## ## ## ## ## ## ## ## ## ## ## ## ##			9		
# Modium dense, red-brown, fine SAND, 4 FINS SAND  # Proce Silt. No pasoline odor.  # Modium dense, red-brown, fine sand, 4 FINS SAND  # Modium dense, red-brown, fine to  # M			11		
## trace Silt. No pascline odor.  ## Medium dence, red-brown, fine 5NND, 4, FINS SAND  ## 16		6-8	10	dense, red-brown fine SAND,	ω ·
### ### ##############################			3)	Salt. No gaselin	
## Medium dense, red-brown, (ine 5000).    Medium dense, red-brown, (ine to 10 2012.5-14.5   6			ф		
## delium dence, red-brown, fine sawn.    10					
1111. No gasoline oder.  10  10  1111. No gasoline oder.  10  112  113  113  114  115  115  115  115  115	_	910	,	The second secon	54800
3-6 24/24 12.5-14.5 6 Madium danse, red-brown, fine to 6 eadium SRND, trace Silt. No gwsoline 7 7 coc: 9 9 9 9 9 1			> 10	Will. No gasoline odor.	1 1100
## AR SULS COMESME SOILS REMARKS: A. Continuous ampling to 10 fant. Then suggest the soil of the state of the	1		14		
S-6 24/24  22.5-14.5 6 Medium danse, red-brown, fine to 6 medium SAND, trace Silt. No gwooling 6 coder. 7 coder. 3 bottom of hole at 15'. 7 coder. 3 bottom of hole at 15'. 7 coder. 8 SOLS COMESNE SOLS REMARKS:1. Continuous sampling to 10 feet. Then suggest to 10 feet. 8 course coder code			10		
S-G 24/24   2.5-14.5 6 Madium danse, red-brown, fine to 6 madium SRND, trace Silt. No gasoline 7 7 cdor. 7 3 cottom of hole at 15'. 7 5 cottom of hole at 15'. 7 5 cottom of hole at 15'. 7 6 cottom adjet. Then deopped dent. Then augment to 10 feet. Sent to 10 feet. 8 6 cottom augment to 10 feet. Then augment to 10 feet. Sent augment to 24 was notice. 8 6 cottom augment to 10 feet. Then augment to 10 feet. Sent augment to 24 was notice. 8 6 cottom augment to 10 feet. Then augment to 10 feet. Then augment to 10 feet. Sent augment to 24 was notice. 8 6 cottom augment to 10 feet. Then augment to 10 feet. The augment to 10 feet. Then augment to 10 feet. The augment to 10 feet. The augment to 10 feet. Then augment to 10 feet. The augm	1		13		
S-G 24/24 12.5-14.5 6 Madium dense, red-brown, fine to 6 medium SAND, trace Sitt. No exaction 7 7 Solor. 9 percent folia at 15'. 7 percent folia at 15					
S-G 24/24 12.5-14.5 6 Medium dense, red-brown, fine to 6 medium SAND, trace Silt. No quoding 7 cdor. 7 cdor. 9 Bottom of hole at 15'. 7 installed PVC observation well in 7 completed hole. 8 SULS COMESWE SOLS REMARKS:1. Continuous sampling to 10 Zemt. Then augusted to 10 Zemt with 8 completed hole. 8 completed hole. 8 completed hole. 8 samples S-1 through 3-3 were dry. 8 samples S-1 through 3-3 were dry. 8 samples S-5 was wet.					
S-6 24/24 12.5-14.5 6 Medium danse, red-brown, fine to 6 medium SAND, trace Silt. No gasoline 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					
S-G 24/24 [2.5-14.5] 6 Madium dense, red-brown, fine to 6 medium SNND, trace Sitt. No exaction 7 7 800c. 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					
### 2012 12.5-14.5 6 Medium SAND, trace Silt. No question 6 coder. 7 coder. 9 Bottom of hole at 15'. 10stalled PVC observation well in completed hole.  **Tostalled PVC observation well in completed hole.  **COMMITTY NUMBER SOILS REMARKS: 1. Continuous sampling to 10 feet. Then angered to 10 feet with completed to 10 feet with sample soil of the sample s					
S-G 24/24   2.5-14.5   6   Medium danner red-brown, fine to 6   medium SNN), trace Silt. No gasoline 7   7   9   9   9   9   9   9   9   9   9   9   9   9   9   9   9   9					
General Marker Salt. No quoding  7  Odor.  1  1  1  1  1  1  1  1  1  1  1  1  1		12,5-14.5	On.	-	
9  9  9  9  9  10  10  10  10  10  10  1			m.	m SAND, trace Silt.	
Sorttom of hole at 15'.  Sorttom end hole at 15			7	00000	
Bottom of hole at 15'.  Toricalled PVC observation well in  Toricalled PVC observation well in  Completed hole.  Completed ho			,		
Bottom of hole at 15'.  Installed PVC observation well in completed hole.  Installed PVC observation well in completed hole.  COMPLETE SOILS REMARKS:1. Continuous sampling to 10 feet. Then augusted to 10 feet with the continuous feet of the sample of the completed below to 10 feet with sample S-1 through 3-3 were dry.  M. COMPLETE SOILS SAMPLES S-1 through 3-3 were dry.  M. COMPLETE SOILS SAMPLES S-1 through 3-3 were dry.  M. COMPLETE SOILS SAMPLES S-5 was wet.  M. Sample S-5 was wet.  M. Sample S-5 was wet.  M. Sample S-5 was wet.	I		u		
Dottom of hole at 15'.  The stalled by Cobservation well in completed hole.  The stalled by Cobservation well in completed hole.  The stalled by Cobservation well in completed hole.  The stalled by Cobservation well in completed by Cobservation well in complete by Cobservation well in completed by Cobservation well in completed by Cobservation well in completed by Cobservation well in complete by Cobservation well in comp	5				H
Installed PVC observation well in completed hole.  Comple				פסידות הל הסוף אד והי	
completed hole.    COMESTIVE SOILS   REMARKS: 1. Continuous sampling to 10 feet. Then angered to 10 feet with the country accessed by the country acce				Installed PVC observation well in	
CONSTITUTE CONTROL SOILS REMARKS: 1. Continuous sampling to 10 fest. Then suggered to 10 fest with soils than a sugger. Then dropped 3-inch casing in bole.  V. LOSSE C. Supple S1 through 3-3 were dry.  M. M. CONTROL S. Supple S5 was wet.  M. CONTROL S. Supple S5 was wet.  Supple S5 was wet.				completed hole.	
AR SOLS COMESNE SOLS REMARKS:1. Continuous sampling to 10 feat. Then suggered to 10 feat with construct the court of the continuous sampling to 10 feat. Then suggered to 10 feat with construct the court of the continuous samples solve the court of the					
AR SOLES COMESNE SOLES REMARKS.1. Continuous sampling to 10 feat. Then suggest to 10 feat with country schools and soles acts assist stem asset. Then dropped 3-inch casing in hole.  V. LOSET 2. Sample S-1 through S-3 were dry.  W. COMES 4-8 SIFF 5. Sample S-5 was moist.  W. COMES 6-15 SIFF 5. 15 feat of couling used.					
NUMBER SOLD REMARKS: " CONTAINED NO SET OF THE SOLD REMARKS: " CONTAINED NO SET OF THE SOLD REMARKS AND SET OF THE SOLD REMARKS STITLE OF THE SET OF THE S					
V		COHESIVE	OILS REMA	Continuous sampling to 10 fe	Then augered to 10 Eget with
2-4 SOFT 3.  LOSSE 4-8 M.STIFF 4.  DENSE 8-15 STIFF 5.  DENSE 13-30 V. STIFF	GRANULAR SOLS	A SACTOR	2	S-1 through S-3 were dry:	POTENTIAL PROPERTY.
M. DENSE θ-15 STIFF 5- DENSE 15-30 V. STIFF 5-	GRANULAR SOLS		Ψ	mple S-4 was moist.	
DENSE 15-30 V. STIFF	GRANULAR SOLS LOWS/FT DENSITY V. LOSS		م ۱	mole 5-5 was wet.	
DENSE 15-30 V.	GRANULAR SOLS LOWS/FE DENSITY 0-4 V. LOSE 1-10 LOSE		U	Teet or casing used.	
	GRANULAR SOLLS LOWS/FT DENSITY 1-10 LOSS 1-10 LOSS 1-10 LOSS				

320 RESPANS SI, NEW LICK DYPER FALLS TO STREET STATE S	Z. E.E. E.E. Con one one one
	D TEMPS OF THE STATE OF THE STA

BORING CO. C. ) FOREMAN TRAE GZA ENGINEER W. 1	acco acco	ogiates	Las.	DATE END
S ± SS	ERWISE NOT ER FALLING ERWISE NOT	ED, SAMPLER CO. 30 In. ED, CASING DRIVE	NG A	1300 6.4' sut
CASING SIZE: 3 inch	(See not	T)	DESCRIPTION	
# F	MANA	BLDWS/6"	CLASSIFICATION	SIRAIUM
24/38	0-2	16	no. red brown, fine to medium 2	1"-2" ASPHILE
		26	n, little fine Gravel, trace	
		30		
		23		
5-2 24/14	2-4	22		
		12	see Silt, trace Wood (in bottom of	
		10	mple). Slight gaseline odor.	
		10		
-1-		D &	brown and red-brown, Peaty	
5-3 24/12	4-0	n o	to medium SAND, little fine	TILE
			1, trace Moors.	
			61.	
t			The state of the s	
5-4 24/18	6-B	-	medium SAND, little fine	
1				
1		Un		
_			brown, Pearly fine to modium	
5-5 12/10	8-8	0 4	trace	9.
1			02 9017	
5-5A 17/10	9=10	10	Slight to	GNYS WOLDEN OL SNIS
-		15	odor.	
5-6 24/0	10-12	7		
		16		
		16		
1		10		
1		ŀ		
1				
+				
1				14'
+			ottom of hole at 14'. Installed	
1	T		VC observation well in completed	
1			019.	
+				
		-	,	Then simpro
SOLS		100	(S: 1. Continuous sampling to 10 feet.	Then augered
ENSITY		4 1	em auger. Then dropped 3-inch casing	dore.
LOOSE	2.4		10	ing (No drilling
	4	STIFF		
M DENSE	9	STIP A	DA WOITE	
DENSE	S. S.		GOT CONTEST TO SEC.	
### COMPLIANT CONSISTED ASSOCIATION CONTROL CO			Cornerwise Notes   Corner	SECONGRAGE WOTED, CARDED CONSETTS OF A X TOWN THE START IN THE SECOND PRIVE WISHG A LIMITED PARTY STATE FALLING 20 IN.  SECONGRAVES WOTED, CARDING DRINKE SOUND KAMBER FALLING 20 IN.  SECONGRAVES WOTED, CARDING DRINKE SOUND KAMBER FALLING 20 IN.  SECONGRAVES WOTED, CARDING DRINKE SOUND KAMBER FALLING 24 IN.  SECONGRAVES WITH SAMPLE DESCRIPTION  20  10  10  10  10  10  10  10  10  10

GRANUL GRANUL	ПТП		(A ) (A	100 CO	DEPTH (ft) CASING (66/11)	SAMPLER CASING:	GOLUBERO AND 320 NEEDHAM S GEOTECHNICAL BORING CO
1 151 1 1		£-5 24/12	S-4A 13/0		MD. 24/16	SAMPLER: UNLESS OTI HOUSE HOUSE CASING: UNLESS OTI CASING SIZE: 3- Ench	NICAL/GI
COHESIA REPAYANT C2 C2 C4 B4-B		20-12	2 6-7		0 DEPTH 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	THERWISE NOTE	SEOHYDROU
SOLS REM DENSITY SOLID V. SOFT 32 SS U. STIFF 4. S		2 A 4 N	0 4 F W			SAMPLER: UNLESS OTHERWISE NOTED, SAMPLER CONSISTS OF MODE NAMINER FALLING 30 IN. CASUNG: UNLESS OTHERWISE NOTED, CASING DRIVEN USING 3 CASUNG SIZE: 3-1 find h (464 ft - 154 ft - 1) OTHER:	SOULDE MY CHING WENT ON UPPER FALLS, MA. 320 NEDHAM ST_NEWTON UPPER FALLS, MA. 320 NEWTON UPPER FALLS, MA. 3
V LOSSE C2. USER / Samples S-1 and S-2 were wet.  OCHENIA REPORT SENSON SENSON SENSON S-5 were wet.  OCHENIA REPORT SENSON SENSON SENSON S-5 WERE WET.	Notice of hole at 13° installed PVC observation woll in completed hole	Losee, yed-brown, medium SAND, troco Silt. No gamoline odor:	Redium dense, red-brown, fine SAND, trace Silt. 6" Layer of black fine feath and the fine feath and fine feath feath fine feath feat	Medium dense, red-brown, fine SAND, trace Silt. Very slight gasoline cdor.  Coose, red-brown, fine (+) to medium SAND, trace Silt. No gasoline odor:	MANALE LESCHIPTION SUBMISSES QUISSESSES  Medium dense, rad-brown, fine SAND, trace Sitt. Slight gasoline odor.	A 2" SPOLIT SPOON DRIVEN USING A  COID, HAMMER FALLING 24 in	TANT
in But				Þ	. ⊢ new	0ATE 1176/82 1176/82	S2 EVATI
feet. Then augered to 10 feet with weinch casing in hole.		MEDITM SAND	71	PARE SAND	STRATUM DESCRIPTION	GHOLNOWATER RECORDS THE TO THE TABLE TRANSPORTER 2 1630 6.0 OUT 0 hrs. 2 1700 6.0 OUT 5 hrs.	FILE NO GATINO CHKO BY MET ON 135.6 DATUM DATE END 31.15(3)

C TENSE A CSC	30-50 DENSE	4-10 LDOSE	0-4 v t005	BLOWS/FT DENSITY B										-	5-6 24/13				E-5 32/24			20/00	24/24		Ĭ		27.75			20/20	24/14				24/12	ASSESSED TO SECOND	946.	3	SAMPLER: UNLESS OTHERWISE NOTED, HOMMER FALLING 30 CASING: UNLESS OTHERWISE NOTED,	BORING CO. BETAGO FOREMAN BETAGO GZA ENGINEER W. Hadge	,
250	5-8 v. STIPF	N STOPE	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	GONS/FL GOSTING	2							7	6	8	10-12 #	9	4		R-10 2	m	J (		6-8	8	10	-	6-6 0	=	Ti.	+	3-4 16	22	22	13	0-2 7	SYSMOTH MALES		(see note 1) Of	WISE NOTED, SAMPLER CONSISTS FALLING 30 in WISE NOTED, CASING DRIVEN USIN	Hadge	Betak Property Lead
BETWEEN SOME ACCOUNTY THE ACCOUNTY BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS HAVE BE		14 feet of casing used	Samples 5-1 through 5-3 were wer.	Commodite the auger. Then dropped 3-inch casing	AND COLUMN CONTROL CONTROL TO 10 Sees.			hole.	Bottom of hole at 14'. Installed					E E	Modium dense, red-brown fine to			odor			OCHEOMO CHESCHARIST DESCRIPTION		Midium danse, red-brown, time to 3		OCC	trace	Medium donse, red-brown, medium 2		odar	trace Silt. Slight			Slight gasonine occi-	avel,	mediu	CLASSIFICATION	SAMPLE DESCRIPTION		UNLESS OTHERWISE NOTED, SAMPLER CONSISTS OF A 2" SPLIT SPOON DEVER USING 4 TABLE HOLD PARAMER PALLING 30 IN. UNLESS OTHERWISE NOTED, CASING DENERH USING 30016 PARAMER PALLING 24 IN: 11.78.78.21  11.78.78.21	GROUND SUPPACE ELEVATION ENT DATE START_11/8/82	
TYPES, TRANSITIONS WAY BE GRADUAL.					Then augered to 10 feet with 4-inch					2.2									<b>W</b>				MEDIUM SAND				112					2'		FILL	1"-2" ASPHALT PAVENERT		STRATUM DESCRIPTION		E TIME "JOK GLES STABLIZATION THE 782 1500 7.5' 0000 0 htt. 782 1700 7.4' out 3 hts.	DATE END	124

ENVIRONMENTAL SITE ASSESSMENT BROAD STREET PARKADE MANCHESTER, CONNECTICUT

Prepared for:

MR. DAVID LOCKE
FUN TRUST
C/O MANLEY-BERENSON ASSOCIATES
MANAGING AGENTS
66 LONG WHARE DRIVE
BOSTON, MASSACHUSETTS 02110

MARCH 20, 1992

Prepared by:

HEYNEN TEALE ENGINEERS 2455 A BOSTON POST ROAD GUILFORD, CONNECTICUT 06437

PROJECT NO: C-1515

COPYRIGHT 1992 HEYNEN TEALE ENGINEERS

# HEYNEN TEALE ENGINEERS

Geotechnical Engineering • Hydrogeology

57 South River Road Bedford, New Hampshire 03110 Telephone: (603) 668-1654 Fax: (603) 668-0608

325 Shaker Road Loudonville, New York 12211 Telephona: (518) 436-0051

2455A Boston Post Road Guilford, Connecticus 06437 Telephone: (203) 453-9649 Fax: (203) 458-3335

March 20, 1992 Project No.: C-1515

Mr. David Locke
FMN Trust
C/O Manley-Berenson Associates
Managing Agents
66 Long Wharf Drive
Boston, Massachusetts 02110

Manchester, Connecticut

RE: Environmental Site Assessment Broad Street Parkade

Heynen Teale Engineers is pleased to submit herewith our environmental site assessment for the above-referenced site. We trust that our findings and conclusions outlined in this report will be responsive to your needs at this time. Dear Mr. Locke:

We appreciate the opportunity to be of continued service to your office. Please do not hesitate to contact us if you need any further assistance.

Sincerely,

HEYNEN TEALE ENGINEERS

Alane C. You

ACY/amn/739 Geologist

> Kristie A. Ferreira Project Manager wide the stevens

Heynem, P.B.

### TABLE OF CONTENTS

1.0	I	INTRODUCTION	
	1.1	Scope of Services	
2.0	SI	SITE DESCRIPTION	
	22222 65432H	Site Location and Assessor's Office Identification	
3.0	SI	SITE FEATURES3	
	3.2	Surficial Geology	
	4 13 /	Ground Cover.	
	3.7	Water Supply Sources4	
4.0	SITE	TE HISTORY4	
	4.1	Town Assessor's Office Field Card Ownership Information4 Present Use	
5.0	SITE	TE OBSERVATIONS6	
	5.2	Personnel Involved and Date of Site Visit	
	6 5	Hazardous Waste Generation and Disposal	
	8 7 5 5	Visual Indications of Contamination of Outside Grounds8 Solid Waste or Hazardous Waste Deposits Observed on Site	
	5.9	Potential On-Site Sources of Contamination Observed During	
	5.10	Potential Off-Site Sources of Contamination Observed During Site Observations. 8 Asbestos-Containing Materials (ACMs). 8	
	5.12		

# TABLE OF CONTENTS (CONTINUED)

	X													
Api	Αp		뉴. 편	Ŗ.	Ħ.		0.8	7.1	7.0	6.5	6.4	6.1	6.0	ហហ
pend	pend		Figure	Figure	Figure 1		MIT		CON	O/ IU			REC	5.13 5.14
Appendix B	Appendix A	APPENDICES	ω	2	, 1	FIGURES	LIMITATIONS15	Conclusions	CONCLUSIONS AND RECOMMENDATIONS	a Half-Mile Radius of the Subject Site	CERCLIS Sites Within a Quarter Mile Radius of the Subject Site.	Site Federal Regulatory Identific RCRA Notifiers Within a Quarter   Site	REGULATORY FILE REVIEW9	Floor Drains9 Other Possible Sources of Contamination9
DEP Correspondence	Limitations		DEP Bulletin No. 4 Public Water Supply Map	Site Plan	Locus Plan		15		AND RECOMMENDATIONS13	t Site	ile Radius of the Subject	Federal Regulatory Identification	9	tamination9

Mr. David Locke FMN Trust

March 20, 1991 Project No: C-1515

### 1.0 INTRODUCTION

In accordance with our proposal dated January 29, 1992, Heynen Teale Engineers (HTE) is pleased to submit herewith our environmental site assessment of the property located at 330 Broad Street, Manchester, Connecticut. The purpose of this environmental site assessment is to render an opinion regarding the presence of hazardous materials in the environment at the subject property within the meaning of Connecticut Public Act 85-443 ("Super Lien Law").

### I Scope of Services:

The scope of services performed by Heynen Teale Engineers for this environmental site assessment consisted of the following:

- The subject site was visually observed for physical evidence suggesting the presence of hazardous materials in the environment.
- Certain local, state, and federal agencies were contacted and available files were reviewed to obtain information regarding the presence of hazardous materials in the environment at the subject site.
- Available ownership records and town historical information were reviewed to aid in establishing current and prior site usage.
- 4) The general hydrogeologic setting was inferred based on field observations and topographical information. Available geological and water supply information was reviewed.
- The building structure was non-intrusively assessed for the presence of asbestos-containing materials (ACMs).
- 6) Preparation of this report which summarizes the work performed as well as our opinion regarding the presence of hazardous materials in the site environment.

Mr. David Locke

March 20, 1991 Project No: C-1515

## 2.0 SITE DESCRIPTION

2.1 Site Location and Assessor's Office Identification: The subject property is located at 30 Broad Street and is identified as Parcels 3, 4, 43, 5, 6, and 10 on Maps 1 and 5 in the Manchester Assessor's Office.

Location of the subject property is shown on the USGS Quadrangle for Manchester and is presented in the locus plan enclosed as Figure 1.

- 2.2 Size of Parcel: The site is an irregularly-shaped parcel which contains approximately 20.91 acres of land. A site plan (based on a map provided by Manley-Berenson Associates) is enclosed as Figure 2.
- 2.3 Number and Type Of Structures On Property: The subject property contains a commercial shopping center occupied by retail stores and State of Connecticut offices. With the exception of Stop & Shop, which was constructed circa 1983, the shopping center office space was constructed circa 1969.
- 2.4 Local/Adjacent Land Use (Zoning): The subject property is located in a general commercial zone of Manchester.

## 2.5 Adjacent Properties:

North: Green Manor Boulevard, across which are located Sear's Automotive and part of Manchester Parkade (which previously contained Sear's and currently contains offices and retail stores).

East:

The old Manchester Post Office (now vacant) and Broad Street, across which are located the following: Speedy Muffler King, Oak Grove Furniture Refinishing, Nichols Auto Body, Penzoil 10-Minute Economy Oil Change, The Restoration Shop, K-B Automotive, Goodyear Auto Service, Barrett Plumbing Supply Company, Manchester Professional Park and Mechanics Savings Bank.

South: Mr. Auto Car Wash and Bigelow Brook, across which is located St. James Cemetery.

ť

Mr. David Locke FMN Trust

Project No: C-1515 March 20, 1991

West:

parking. UA Theater and associated

2.6 Site Utilities: The site is serviced by all public utilities including municipal water, sewer and gas, electric and telephone services.

### 3.0

- 3,1 Surficial Geology: A description of the surficial geology of the subject site was obtained from the Geologic Map of the Manchester Quadrangle by Roger B. Colton, 1965. Surficial sediments are mapped as collapsed drift deposits, composed of stratified sand and gravel.
- 3.2 Bedrock Geology: A description of the bedrock geology of the subject site was obtained from the Geologic Map of the Manchester Quadrangle by Roger B. Colton, 1965. The bedrock is identified as the Portland Arkose, a reddish-brown and gray arkosic siltstone, sandstone and conglomerate.
- 3.3 Site Topography and Inferred Groundwater Flow Direction: The topographic setting at the site can be described as a lowland situated approximately 130 - 150 feet above sea level. Surface topography slopes gradually towards the south and southwest. Based on the surrounding surface topography and the direction of flow of the adjacent Bigelow Brook, the general direction of the local groundwater flow is inferred to be towards the west-southwest.

The actual direction of groundwater migration may be different because other factors in addition to the surface topography influence the direction of groundwater migration. Generally, groundwater flows downhill with local changes near bodies of surface water and contracting rock types. The presence of subsurface structures, impervious surfaces and the influence the subsurface stractures the subsurface water of the subsurface stratigraphy will also influence the direction of groundwater movement

Mr. David Locke

Project No: C-1515 March 20, 1991

- 3.4 covered by the shopping center structure and associated asphalt-paved parking lot. The southwestern portion of the property is covered by Ground Cover: Bigelow Brook and adjacent brush. Most of the subject property 19
- 3.5 Site Drainage: Catch basins were observed throughout the paved parking lot and reportedly discharge to Bigelow Brook.
- 3.6 Groundwater Classification: Groundwater at the project site is classified as GB. Based on the Connecticut Water Quality Standards and Criteria, the following applies:

GB - Groundwater within highly urbanized areas of intense industrial activities and where public water is available. May not be suitable for direct human consumption due to waste discharges, spills or leaks of chemicals or land use impacts. Goal is to prevent further degradation by preventing additional discharge.

### 3.7 Water Supply Sources:

- a) Public Water Supplies: Based on the Public Water Supply Sources and Drainage Basins of Connecticut (DEP Bulletin Number 4), there are no public water supply sources within a one-half mile radius of the site. The Public Water Supply map is presented as Figure 3.
- On-Site Groundwater Wells: observed. None reported or

### 4.0

### 4.1 Information: Town Assessor's Office Field Card Ownership

Date of Acquisition

December 30, 1981

Joel B. Wilder Tr., et als. c/o Manley-Berenson Assoc.

-3-

Mr. David Locke FMN Trust

March 20, 1991 Project No: C-1515

- 4.2 Present Use: The subject property is currently utilized as a commercial shopping plaza and office space for the Connecticut Department of Income Maintenance.
- 4.3 Former Use: According to Mr. Bolduk, the Broad Street Parkade was previously part of the Manchester Parkade (which is located across Green Manor Boulevard to the morth). Research of the site history included a review of Manchester City Directories and aerial photographs. Although the Manchester assessor's field card identifies the property as 330 Broad Street, the 1990 Manchester Directory lists the retail stores located in the Broad Street Parkade as 324-340 Broad Street. Retail stores are listed at these addresses dating back to 1969. The 1970 and 1980 Manchester Directories also list Hess Gasoline Service Station at 334 Broad Street, indicating its previous existence on the subject property.

Aerial photographs showing the subject property were reviewed and are summarized below:

1965: The Broad Street Parkade had not yet been constructed, but the car wash adjacent to the south was shown and the post office adjacent to the north and east was shown. The Manchester Parkade, Sear's (which is now partially demolished) and Sear's Automotive were shown north of the subject property. A small structure of unknown function was shown on the eastern edge of the subject property adjacent to Broad Street. The remainder of the subject property appeared to have been uncleared.

1975: The subject property appeared as it does today with the exception of a small cluster of structures (presumably the Bess Gasoline Service Station) located where Stop and Shop currently exists.

0; Same as 1975.

1986: The Hess Gasoline Service Station had been cazed. Stop and Shop was shown on the previous location of the Hess Station.

Mr. David Locke FMN Trust

March 20, 1991 Project No: C-1515

- History of hazardous materials usage and storage on site: No specific information was available regarding hazardous material usage and storage on the subject property. However, the gasoline service station previously located on site stored gasoline in underground storage tanks (USTs) and may have stored and used other hazardous materials.
- b) History of hazardous waste generation and storage on site: No record
- c) History of hazardous waste disposal methods used on site: No record

# 5.0 SITE OBSERVATIONS

5.1 Personnel Involved and Date of Site Visit: On March 6, 1992, Ms. Alane Young of Heynen Teale Engineers visited the subject site in order to observe surficial conditions at the site and areas abutting the site for visual evidence of the presence of hazardous materials. Ms. Young was accompanied by Mr. Tim Bolduk, property manager for Manley-Berenson Associates. Pertinent observations are described below in Section 5.3.

# 5.2 Site Observation Constraints: None

5.3

3 Site Description: The 21-acre property is improved with a 250,000 square-foot shopping center known as Broad Street Parkade and associated paved parking. The commercial units are heated by gas roof-top units and electric heat, and are cooled by roof-top units and electric heat, and are cooled by roof-top and pad-mounted air conditioning units. At the time of our site visit the following businesses were located in the Broad Street Parkade: Stop and Shop, Bradlee's, Hobbythme, Records Unlimited, Jo Ann Fabrics, Fashion Bug, Thom McAnn, Card Gallery, and State of Connecticut Department of Income Maintenance. Marshall's, Unique, June's Accessories, Northeast Savings Bank, Command Performance Hair

Salon, and CVS Pharmacy were located in the Marshall's enclosed mall portion of the Broad Street Parkade. There were six vacant commercial units at the time of

Mr. Bolduk indicated that each store is responsible for their own maintenance and cleaning, and most of the large stores contract cleaning services who bring their own cleaning supplies onto the site. Minor quantities of cleaning supplies onto the site. Minor quantities of cleaning supplies were observed in the janitorial closets of Marshall's, the Connecticut Department of Income Maintenance, and the Marshall's enclosed mall. A vacant unit in the Marshall's enclosed Mall is currently being utilized for storage of furniture and maintenance supplies including paint thinner, WD-40 and approximately 15 one-gallon cans of paint. No leakage was observed from any of the maintenance supplies. A loading dock area at the rear of the vacant unit contained ice melt crystals, cans of paint, and a lawnmower.

Hydraulic trash compactors (which appeared to have no subsurface components) are utilized by Marshall's, Bradlee's, and Stop & Shop. Hydraulic oil stains were observed adjacent to all four compactors. Hydraulic lifts (which may contain subsurface components) are located adjacent to Stop & Stop and are used for off-loading cargo from trucks.

One pole-mounted and three pad-mounted utility-owned transformers were observed on the property. No leakage was observed from any of the transformers.

- 5.4 Petroleum Product And Raw Chemical Storage:
  Hydraulic oil is contained within four hydraulic trash
  compactors observed on the subject property: one
  adjacent to Marshall's, one adjacent to Bradlee's, and
  two adjacent to Stop & Shop. Hydraulic lifts for
  off-loading cargo from trucks were observed adjacent
  to Stop & Shop.
- 5.5 Hazardous Waste Generation And Disposal: No hazardous wastes were observed or reported to be generated on the subject property.

MY.

David Locke Trust

March 20, 1991 Project No: C-1515

- 5.6 Visual Indications Of Contamination Of Building Interiors: None observed
- 5.7 Visual Indications Of Contamination Of Outside Grounds: Minor hydraulic oil leaks were observed adjacent to the hydraulic trash compactors located adjacent to the Stop & Shop, Bradlee's, and Marshall's.
- 5.8 Solld Waste Or Hazardons Waste Deposits Observed On Site: Construction debris (including what appeared to be ceiling panels) were observed in and adjacent to Bigelow Brook.
- 5.9 Potential On-site Sources Of Contamination Observed During Site Observations: The four hydraulic trash compactors represent potential on-site sources of contamination.
- 5.10 Potential Off-site Sources Of Contamination Observed
  During Site Observations: Many abutting properties
  represent potential off-site sources of contamination:
  Sear's Automotive, Nichols Auto Body, Oak Grove
  Furniture Refinishing, Speedy Muffler King, Pennzoil
  10-whinute Economy Oil Change, The Restoration Shop,
  K-B Automotive, and Goodyear Auto Service. Pennzoil
  10-Minute Economy Oil, located at 315 Broad Street, is
  a RCRA Notifier, is on the CERCIIS list, and is on the
  Leaking Underground Storage Tank List (LUST).
- 5.11 Asbestos-Containing Materials (ACMs): Based upon the age of the building, circa 1969, there is a possibility that ACMs were used in construction of the building. However, no materials that appeared to contain asbestos were observed during the site visit.
- Fluorescent lighting fixtures were observed throughout the building structure, but were not readily accessible for close observation of the starting units due to their height. Some of the older fluorescent lighting fixtures' starter units may contain dielectric fluids, which could potentially contain polychlorinated biphenyls (PCBs). No leakage was observed from any of the fluorescent lighting fixtures.

r. David Locke MN Trust

March 20, 1991 Project No: C-1515

Three utility-owned pad-mounted transformers and one pole-mounted transformer are located on the subject property. According to CLSP, the transformers have not been tested for the presence of PCBs. No leakage was observed from the transformers.

- 5,13 Floor Drains: None observed
- 5.14 Other Possible Sources of Contamination: No observed

# 6.0 REGULATORY FILE REVIEW

- 6.1 Site Federal Regulatory Identification:
- EPA ID Number: Not applicable
- b) RCRA Notification Status: Not listed
- CERCLIS Status: Not listed
- 6.2 RCRA Notifiers Within a Quarter-Mile Radius of the Subject Site: Based on the RCRA Notifiers listing dated July 22, 1991, there are three RCRA Notifiers within a quarter-mile radius of the subject site. They are:

Name

Iocation

Generator Status

DeCormier Motor
Sales, Inc.

Economy Oil
Change, Inc.

Manchester

Small quantity generator

Manchester

Small quantity generator

CTD 018704031

Generator

Small quantity generator

CTD 983875758

Small quantity generator

CTD 981885684

6.3 CERCLIS Sites Within A Quarter-Wile Radius of the Subject Site: Based on the CERCLIS List-8 dated March 30, 1991, there is one CERCLIS sites within a quarter-mile radius of the subject site. It is: Ability Machine & Tool Company located at 315 Broad Street (now occupied by Pennzoil 10-Minute Economy Oil Change).

MN Trust

March 20, 1991 Project No: C-1515

- 6.4 Leachate and Wastewater Discharge Sources within a Half-Mile Radius of the Subject Site: Based on the Connecticut Department of Environmental Protection (CT-DEP) October, 1988 Leachate and Wastewater Discharge Sources Map for the Connecticut River Basin, there are no discharge sources located within a half-mile radius of the subject property.
- 6.5 DEP File Review: Ms. Young visited the CT-DEP on March
  12, 1992 and reviewed the following CT-DEP files in each
  of the following CT-DEP units: Water Management Bureau,
  Waste Engineering and Enforcement Division (WEED),
  Underground Storage Tank (UST) Section, Leaking
  Underground Storage Tank (UST), Section, Leaking
  Spills Response Division (OCSRD), Solid Waste and
  Spills Response Division (OCSRD), Solid Waste and
  Superfund Section. The CT-DEP Inventory of Hazardous
  Waste Sites in Connecticut Updated through October 1,
  1991, was also reviewed.
- a) Subject Property: The OCSRD contained the following incident reports for the subject property;

4/28/81: Orange dye observed in Higelow Brook near the subject property.

3/4/83: Release of approximately 250 gallons of gasoline at the Super Stop and Shop on Broad Street. The discharger is listed as "Hesse or Mercury Oil" and the causes of release are listed as unknown, inground tank failure and transfer line failure. Corrective actions are listed as "evaporated, removed tank, coldberg-Zoino Consultants (now GZA, Inc.) was hired by the discharger.

6/12/85: Bluish-white discharge observed in Bigelow Brook near the subject property.

7/16/91: One gallon of hydraulic oil was released at Stop and Shop on Broad Street due to hose failure. The spill was reportedly removed.

The WEED files contained correspondence dated April 18, 1983, concerning the disposal of approximately

March 20, 1991 Project No: C-1515

4,000 cubic yards of soil from the Stop and Shop site prior to construction of the Stop and Shop structure. The letter referred to chemical analyses provided by Stop and Shop, Inc., a letter dated March 23, 1983, from 62A, Inc. to Stop and Shop, and a report entitled "Proposed Stop and Shop Site, Manchester, Connecticut" dated February, 1983 prepared by GZA, Inc. A copy of the letter is enclosed as Appendix B. None of these documents could be located in the CT-DEP files. Stop and Shop management offices in North Haven, Connecticut and Boston, Massachusetts were contacted in a attempt to review the report prepared by GZA, Inc. The report could not be located.

The WEED files also contained a note regarding a historic dump site on Broad Street. However, no supporting documentation was found in the WEED and Solid Waste files.

b) Abutting Properties: The OCSRD files contained incident reports dated April 28, 1981, (concerning random dumping of paints, etc.) and April 9, 1991 (report of illegal dumping of three 55-gallon drums of chemical liquids) at Channel Hardware. According to Mr. Bolduk, Channel Hardware was located in the portion of Manchester Parkade located north of Green Manor Boulevard.

The UST Section files contained the following information concerning registered USTs on abutting properties.

# USTs Registered for Sear's Automotive

Tank	Installed	Capacity (Gallons)	Contents	Tank Material	Life Expectancy	Last <u>Used</u>
_	5/63 A	5,000	Waste oil	Steel	5/78	1/91
2		5,000	Gasoline	Steel	5/78	6/72
w		5,000	Gasoline	Steel	5/78	6/72
44		5,000	Gasoline	Steel	5/78	6/72
Ü	5/63 A	5,000	Gasoline	Steel	5/78	6/72
9		5,000	Gasoline	Steel	5/78	6/72
7		10,000	Heating	Steel	5/71	1/84
			Oil (# 4)			
	A = Abandoned	ned				

s, etc.)
ing of t
Channel
Chandware
Hardware
arkade l
arkade l
istered
istered

g Mate
s Mate
e Stee

-111-

Mr. David Locke FMN Trust

March 20, 1991 Project No: C-1515

Note: The UST Unit files indicated that all of the tanks except tank # 7 were improperly abandoned. However, correspondence dated October 2, 1987 from the OCRSD indicated that "the owners are now in compliance with State Statutes and NFFA 30 due to the removal of the six (6) 5,000-gallon and one (1) 10,000-gallon abandoned underground petroleum storage tanks".

An OCRSD emergency incident report dated July 9, 1986, discussed the ongoing release of # 2 fuel oil at "Manchester Parkade" due to inground tank failure. There is a notation that tank removal was scheduled for 7/14/86. The site address is listed as 300 Broad Street, so this report is probably in reference to the USTs located at Sear's Automotive.

USTs Registered for Gentle Touch Car Wash (Mr. Auto Car Wash)

A1 B2 C3	Tank
8/69 8/69	Installed
10,000 T 10,000 T	Capacity (Gallons)
Oil/petro Oil/petro Oil/petro	Contents
Steel Steel Steel	Tank Material
8/84 8/84 8/84	Life Expectancy

T = Temporarily out of service

USTs Registered for Capitol Tire (Goodyear Auto Service)

Al	Tank
1/73	Installed
550 U	Capacity (Gallons)
0il/petro	Contents
Steel	Tank Material
1/88	Life Expectancy

U = In use

Although not registered with the UST Section, Pennzoil 10-Minute Economy Oil Change (located at 315 Broad Street across Broad Street to the east of the subject property) is on the LUST list. The site contained three steel gasoline USTs (two 6,000-gallon UST) and one 4,000-gallon UST). Soil removal and monitoring was conducted on the site.

Mr. David Locke FMN Trust

March 20, 1991 Project No: C-1515

One abutting property is listed in the CT-DEP Inventory of Hazardous Waste Sites in Connecticut. It is Ability Machine and Tool, located at 315 R Broad Street (currently occupied by Pennzoil 10-Minute Economy Oil Change). Metals contamination reportedly resulted from daily discharge of 50 gallons per day to a drywell. The drywell was used until 1984 when the company moved.

interview on March 2, 1992, Deputy Chief Fire Marshal and Klesman indicated that the Broad Street area has a history of environmental problems. According to Mr. Kissman, the Town of Manchester dump was located along Broad Street, and United Technology reportedly dumped wastes on Broad Street. He also recalled a problem with a "Hess gasoline station in the vicinity of the subject site" (which was actually the Hess Station located on the subject site) and mentioned that Sear's Automotive had underground petroleum storage tanks across Green Manor Boulevard to the north and reportedly discharged waste oil to Bigelow Brook.

# CONCLUSIONS AND RECOMMENDATIONS

7.0

7.1

- Conclusions: Based on the studies conducted and observations made as part of the present site assessment, we have prepared the following conclusions:
- Groundwater at the subject site is classified as GB and as such may not be suitable for public or private use as drinking water without treatment. Groundwater is inferred to move primarily towards the west-southwest.
- 2) A Hess Gasoline Service Station was located on the subject site from circa 1970 until circa 1983. Available data indicate that UST failure resulted in the release of gasoline to the subsurface. Approximately 4,000 cubic yards of contaminated soil were removed from the subject site prior to the construction of Stop and Shop.
- The following adjacent sites are considered to have a potential to affect the subject property with regard

Mr. David Locke FMN Trust

March 20, 1991 Project No: C-1515

to hazardous waste contamination due to their general industrial nature and upgradient location: Sear's Automotive, Nichols Auto Body, Oak Grove Furniture Refinishing, Speedy Muffler King, Pennzoil 10-Minute Economy Oil Change, The Restoration Shop, K-B Automotive, and Goodyear Auto Service. Pennzoil 10-Minute Economy Oil, located at 315 Broad Street, is a RCRA Notifier, is on the CERCLIS list, and is on the Leaking Underground Storage Tank List (LUST).

- 4) Three abutting properties (Sear's Automotive, Mr. Auto Car Wash, Pennzoil 10-Minute Economy Oil Change and Capitol Tire/Goodyear Auto Service have histories of USTs. Six of the seven USTs owned by Sear's Automotive were originally improperly abandoned, but all seven have reportedly been removed. There is evidence that at least one of the USTs of Sear's Automotive failed. The USTs located at Mr. Auto Car Wash are currently eight years beyond their life expectancies and are temporarily out of service. The UST located at Goodyear Auto Service is four years beyond its life expectancy and is in use. At least one of the three USTs located at Pennzoil 10-Minute Economy Oil Change failed and resulted in soil and possibly groundwater contamination.
- 5) The Broad Street area of Manchester was a historic dump site, according to information provided by the Manchester Fire Marshal's office and CT-DEP WEED files.
- 6) No likely ACMs were observed during the site visit. However, considering the age of the building (circa 1959), it is possible that ACMs may exist within the building that could not be observed or sampled at the time of our site visit.
- 7) Owing to the fact that no information was available concerning hazardous waste generation by Hess Service Station, there is insufficient evidence to conclude whether or not the subject property may be considered an "establishment" as defined in Section 22a-134 of the Connecticut General Statutes.

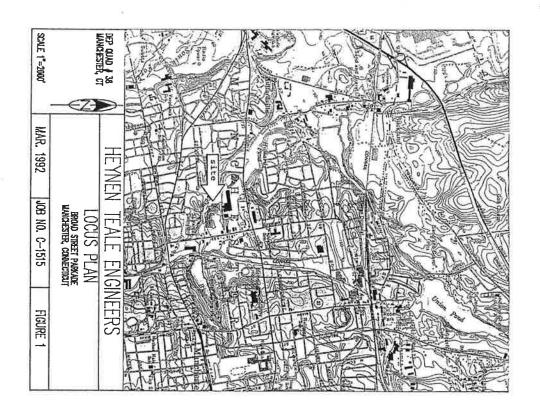
- 8) Based on the previous existence of a gasoline service station, the evidence of failed underground petroleum storage tanks on the subject property, it is our opinion that a remediation liability could exist at the subject site as defined by the intent and meaning of Connecticut Public Act 85-443 ("Super Lien Law").
- 7.2 Recommendations: Based on the above conclusions, we have prepared the following recommendations:
- 1) Based on the previous existence of a gasoline service station and history of underground petroleum storage tanks, as well as the numerous potential off-site sources of contemination, we recommend that subsurface investigations utilizing a soil vapor survey and test boxings with monitoring well installation be performed on the site to determine if subsurface contemination exists. A proposal for these investigations is submitted under separate cover with this report.
- We recommend that at such time as the building is razed or demolished, a complete and thorough asbestos evaluation be conducted.

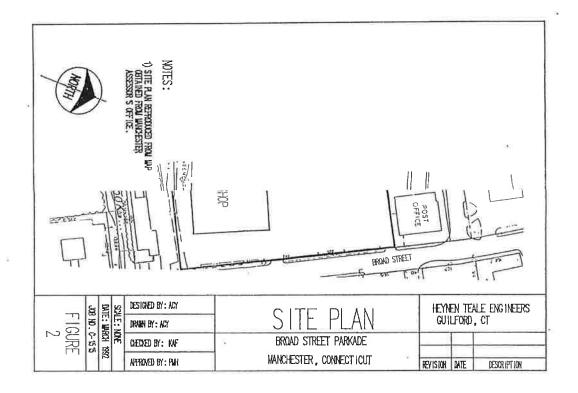
### 8.0 LIMITATIONS

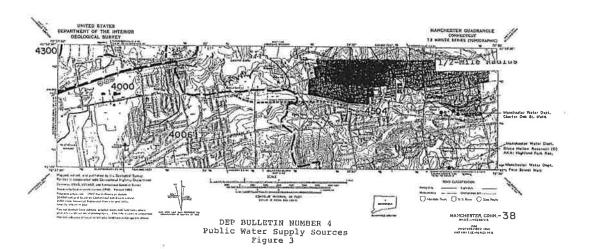
Please note that this report is subject to limitations contained in Appendix A.

This study and report have been prepared on behalf of and for the exclusive use of FMN Trust solely for use in a preliminary environmental evaluation of the site. The report and findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party, in whole or in part, without prior written consent of Heynen Teale Engineers. However, we acknowledge and agrae that the report may be conveyed to the Title Insurer and Legal Counsel associated with the proximate transaction of the site.

FIGURES







APPENDIX A

#### EMOTTATIONS

- ۳ The services performed and outlined herein were based, in part, upon visual observations of the site and attendant structures. Our opinion cannot be extended to perform of the site which were unavailable for direct observation. This includes materiar and exterior areas obstructed by objects or coverings at the time of our site
- 2 Our visual observations relating to hazardous materials in the environment at the site are described in this report. Where testing was performed, it was executed in accordance with our contract for these services. The testing and analyses of only these compounds or materials specified in our contract for services was performed. It should be noted that other compounds or materials not tested for may be present in the site environment.
- 9 The work performed in this report was carried out in accordance with the Standard Perms and Conditions made part of our contract. The conclusions presented berein are based solely upon the acope of services described in our contract and the time and budgetary constraints imposed by the contract.
- è The site history research performed herein relies on information supplied by local and state agencies. No attempt has been made to independently verify the accuracy of such information.
- 9 The conclusions of this report are based, in part, on the information provided by others as outlined herein and on the limited number, if any, of subsurface explorations and sampling points, as well as analyses and tests performed. The possibility remains that unexpected environmental conditions may be encountered at the site at locations not explored. Should such an event occur we should be notified in order that we may determine if modifications to our conclusions are necessary.

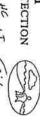
9

3 It is recommended that this firm be provided the opportunity to provide further gootechnical and hydrogeological services during construction and/or the implementation of any remedial measures recommended herein. This will allow Heyron Teale Engineers to observe compliance with the conclusions and recommendations contained herein and to allow for design changes as necessary to suit field conditions We have prepared this report in accordance with generally accepted geotechnical and hydrogeologic practices, and make no other warranties, either expressed or implied, as the professional services provided under the terms of our contract and included in this report.

APPENDIX B



## DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE OF CONNECTICUT



April 18, 1983 . HCFYI

Attention: Mr. Milton Kasner

Stop & Shop, Inc. Construction Department

Post Office Box 369
Boston, Massachusetts 02101

RE: Disposal of approximately 4000 Cu. Yd of soils from the Stop & Shop Site at Manchester, Connecticut

Dear Mr. Kasner:

Contaminated soils being removed from the Stop and Shop site in Manchester may be managed and disposed of as a soild waste. These soils may be used as daily or intermediate cover at any permitted soild waste disposal area with the exception of bulky waste disposal areas. The hauler of the soils doesn't require any permits or licenses from this Department. This decision is contingent upon:

- 1. Stop & Shop contacting this office 48 hours prior to removing any soils; and
- Testing procedures as outlined in a letter dated March 23, 1983, 07A, Inc. to Stop & Shop, Inc. being adhered to.

This approval is based upon criteria contained in Part 261 of Section 40 of the Code of Federal Regulations, chemical analyses provided by Stop & Shop, Inc., a letter dated March 23, 1983 from GZA, Inc. to Stop & Shop, and report entitled "Proposed Stop & Shop site, Manchester, Connecticut" dated February 1983, propared by GZA, Inc.

Should you have any questions, feel free to contact me at 566-4869.

Wery truly yours,

Barry L. Fiyoux LMCLLY Senior Santary Engineer Hazardous Waste Management Section

G. Kandra - Manchester, Director
of Public
W.G. Williams - GZA, Inc.
B. Coss - DEP, Oil & Chemical Spills
Section

C. Kurker - Solid Waste Mant. Unst

165 Capitol Avenue . Hartford, Connecticut 06106 An Equal Opportunity Employer

PHASE II ENVIRONMENTAL SITE ASSESSMENT BROAD STREET PARKADS 330 BROAD STREET MANCHESTER, CONNECTICUT

Prepared for:

PHN TRUST
MANLEY-BERENGON ASSOCIATES, INC.
MANAGING AGENTS
66 LONG WHARE DRIVE
BOSTON, MASSACHUSETTS

JUNE 25, 1993

Prepared by:

BEYNEN TEALE ENGINEERS 2455-A BOSTON POST ROAD GUILFORD, CONNECTICUT 06437

PROJECT NO: C-1515A

COPYRIGHT 1993 HEYNEN TEALE ENGINEERS



Беотелянай, Ехамерник Нурваленцову

FMN Trust

June 25, 1993
Manley-Berenson Associates, Inc. Project No.: C-1515A
66 Long Wharf Drive
Boston, Massachusetts

Phase II Environmental Site Assessment Broad Street Parkade 330 Broad Street Manchester, Connecticut

Dear Mr. Locke:

NEW HAMPSHIRE

herewith our environmental site assessment for the above-referenced site. We trust that our findings and conclusions outlined in this report will be responsive to your needs at this time.

800 – 893 (205 - 75.) 120 – 895 (205 - 300 – 9.) 120 – 895 (205 - 300 – 9.) 120 – 893 (205 – 75.)

We appreciate the opportunity to be of service to your office. Please do not hesitate to contact us if you need any further assistance.

Sincerely,

500-951-915-3- 3-163, 5-1915-3- 3-67-18-48-5-5-

NEW YORK

HEYNEN TEALE ENGINEERS

David L. Selger, E.I.T. Environmental Engineer David Belger

Meeting of the second s

TOWNESTITUT

Kristie A. Ferreira
Vice President

DLS/ljs/814

Harry off, T.
Life M. of Process.
Recommended to the Common Section of the Common Sectio

FLORIDA

0275 Bardy, with the good own the Bridge with the Bridge with

1351 Mayouru - Arbar Brys Verint Island Floride 12952 February - Win 153-0356 February - Win 153-0356

Peter M. Heynen, P.E. President

TABLE OF CONTENTS



						8				8.0	7.1 7.2	7.0	6.0	51 55 . 22 F4	5.0	4.0	3.1 3.2	3.0	2.1 2.2	2.0	1.0
Appendix D	Appendix C	Appendix B	Appendix A	APPENDICES	Table 2	Table 1	SETER	Figure 1	FIGURES	LIMITATIONS	Findings	FINDINGS AND CONCLUSIONS	DISCUSSION	Soil Sampling Results	RESULTS	SOIL CLASSIFICATION AND GROUNDWATER	Soil Collection and Analysis Groundwater Collection and Analysis	SOIL COLLECTION AND ANALYSIS ME	Test Boring Methods	SUBSURFACE EXPLORATIONS	INTRODUCTION
Limitations	Groundwater Analyses	Soil Analyses	Test Boring Logs		Summary of OVM Screening	Summary of Water Quality Parameters and Static Water Table Elevations	ali	Site Plan							6	ATER TABLE OBSERVATIONS 5	/81s	METHODS 4	thods		



Heynen Teale Engineers (HTE) is pleased to submit herewith our Phase II environmental site assessment of the property located at 330 Broad Street in Manchester, Connecticut. The purpose of this environmental site assessment is to render an opinion regarding the presence of hazardous materials in the environment at the subject property within the meaning of the Connecticut Public Act 85-443 ("Super Lein Law").

A Phase I environmental site assessment (ESA) was performed in March 1992 for the subject property by HTE. The findings of the report were as follows:

The subject site contains a commercial shopping plaza occupied by a Stop & Shop, Bradless, State of Connecticut Department of Income and Maintenance, and other miscellaneous shops. The portion of the plaza occupied by Stop & Shop during the plase I ESA is currently vacant. Mr. B. Coss of the Department of Environmental Protection (DEP) Oil and Chemical Spills Response Division (OCSR) confirmed that a Hess Gasoline Service Station was located on the subject property where the vacant building currently stands. This station was reported to have had a release of gasoline in 1983 and there is an indication that an UST was removed as part of the corrective action for this release. Approximately 4000 cubic yards of contaminated soil were removed from the subject site during construction activities in 1983. Mr. Coss also confirmed that contaminated soil from petroleum products associated with the gasoline station were removed during construction of the Stop & Shop building in 1983. No other information regarding the contamination or soil removal was made available to HTE.

A number of possible off site sources of subsurface contamination were determined to be potentially upgradient of the subject site. These sources include Nichols Autobody, Oak Grove Furniture Refinishing, Speedy Muffler King, The Restoration Shop, K-B Automotive, Goodyear Auto Service, Sears Automotive, and Pennzoil 10-Minute Economy Oil Change. Sears Automotive had seven USTs which were removed in 1987. In 1986, one of these USTs was reported to have been releasing #2 fuel oil. Pennzoil 10-Minute Economy Oil Change (Pennzoil) is listed as a CERCIIS site. This listing is a result of the Ability Machine & Tool Company, which was located at this site before Pennzoil. This company discharged heavy metals to a drywell until 1984 when the company moved. Pennzoil is also reported to have three gasoline USTs; one of which was a leaking UST. This and two other tanks, as well as contaminated soil, were removed from the Pennzoil property.

FMN Trust

June 25, 1993
Project No.: C-1515A

Groundwater at the subject site is classified by the Department of Environmental Protection (DEP) as GB and as such the groundwater may not be suitable for public or private drinking water use.

Beynen Teale Engineers was retained on April 12, 1993 to perform a Phase II environmental site assessment on the subject property. The following scope of services were performed as part of this investigation to assess the site subsurface for the presence of hazardous wastes within the meaning of Connecticut General Statutes Section 22a-452a (Super Lien Law):

- 1) One day of test boxing explorations were conducted at the subject site with the installation of four monitoring wells designated as NW-1 through NW-4 (see Figure 1). Groundwater monitoring wells were installed in all test boxings. The purpose of the test boxing explorations and monitoring well installations was to obtain selected soil and groundwater samples for field screening and laboratory analysis as described below.
- 2) Soil samples were collected in advance of the test boring anger using a split spoon sampler. Each split spoon sample was visually inspected and classified according to the Burmister soil classification system. A portion of the split spoon sample was placed in a glass jar and stored on ice for subsequent screening of total volatile organic compound (VOC) concentrations.

  3) Four soil samples were further analyzed for components of the Epvironmental Profection Agency (EPA) Target
- 3) Four soil samples were further analyzed for components of the Environmental Protection Agency (EPA) Target Compound List (TCL) VOCs. Four soil samples, one per test boring location, were analyzed for total petroleum hydrocarbons.
- 4) Groundwater samples from monitoring wells MW-1 through MW-4 were collected and tested in the field for pH, conductivity and temperature. In addition, one groundwater sample from each monitoring well was analyzed for the EPA TCI VOCs and for hydrocarbons characteristic of gasoline, diesel and fuel oil. In addition, four groundwater samples were analyzed for the eight Resource Conservation and Recovery Act (RCRA) metals.

N

Praject No.: 25, 1993 C-1515A

Monitoring wells were surveyed and water level measurements obtained to assess groundwater flow direction on the property.

9 This report was prepared, which summarizes the findings and data obtained in Items 1 through 5 above.

#### 2.0 SUBSURFACE EXPLORATIONS:

Subsurface explorations consisting of four test borings (designated MW-1 through MW-4) were performed on the subject property as part of the current environmental site assessment in order to explore subsurface conditions and to obtain soil and groundwater samples. Groundwater monitoring wells were installed in each test boring.

Test Boring Methods: Test borings were performed by Connecticut Test Borings, Inc. (CTB) of Seymour, Connecticut on May 21, 1993 under the observation of Heynen Teale Engineers. The test boring locations as shown on Figure 1 and the logs of the test borings prepared by CTB are enclosed in Appendix A.

Test borings were performed using 4-1/4 inch inside diameter (I.D.) hollow stem angers. Borings were drilled without the introduction of drilling fluids. Split spoon samples were obtained in advance of the auger at the surface and at 5-foot intervals. Soil in each split spoon sample was visually inspected and classified and a portion was placed in a glass jar for subsequent OVM screening and laboratory analysis. Standard Penetration Tests (SPTs) were performed as part of the split spoon sampling to determine standard penetration resistance, which is a measure of in-situ spoon sampler with a 140-pound harmer falling 30 inches. The blows for each six inches of penetration.

Monitoring Well Installation Methods: Groundwater monitoring wells were constructed using two-Inch outside diameter PVC well material consisting of a section of slotted well screen with 0.01 inch wide slots and a section of solid riser with an expandable locking well cap. PVC attachments were completed without the use of cement or other glues.

2.2

FMN Trust

Project No.: June 25, 1993 No.: C-1515A

well screen to prevent surface runoff from traveling vertically downward along the well periphery. A well cap with a steel protective sleeve was concreted over each PVC pipe to protect the wells from damage and vandalism. Well logs are enclosed with the test boring logs in Appendix A. The annulus between the PVC well screen and the borehole was backfilled with clean filter sand. A 12-inch thick bentonite seal was installed above the

## 3.0 SAMPLE COLLECTION AND ANALYSIS METHODS

3.I Soil Collection and Analysis: Soil samples were obtained from each split spoon sampler and were sealed in precleaned 8-ounce glass jars. Sample jars were placed in a cooler for transportation to the laboratory. Soil samples were screened in the laboratory for total concentrations of VOCs using an OVM. Sample identification depth and OVM results are presented in Table 2. Four soil samples, WM-1 (5 to 7 feet), MM-2 (0.5 to 2.5 feet), MM-3 (5 to 7 feet), MM-4 (0.5 to 2.5 feet), were further analyzed for EPA MCI using EPA Methods 8010 and 8020 and for total petroleum hydrocarbons per EPA Method 418.1.

Groundwater Collection and Analysis: Groundwater samples were collected on April 27, 1993, from each of the monitoring wells. A disposable polyethylene bailer with a ball check valve was initially inserted into each monitoring well and the groundwater sample was subsequently placed in a glass beaker in order to check for the presence of a petroleum product floating layer was not observed in any of the monitoring wells using this method.

3.2

After checking for a floating layer, a volume of water corresponding to approximately five well volumes was evacuated from each monitoring well in order to remove stagmant water and to allow the wells to recharge with a representative flush of groundwater. The monitoring wells were evacuated using the above-mentioned

FMN Trust

June 25, 1993 Project No.: C-1515A

Groundwater samples obtained for analysis of volatile organic compounds were collected from each well and placed in laboratory-cleaned 40-milliliter (ml) glass vials with teflon septums. Samples were analyzed for EPA TCI halogeneted hydrocarbons and aromatic hydrocarbons using EPA Methods 601 and 602. The Method 602 gas chromatograph scan was visually interpreted to estimate potential concentrations of petroleum hydrocarbons characteristic of gasoline, diesel, fuel oil and kerosene. Groundwater samples obtained for analysis of metals were collected from each well and placed in disposable 1-quart plastic containers. All samples were stored in a cooler for transport to the laboratory. Samples were analyzed at Connecticut.

## 4.0 SOIL CLASSIFICATION AND GROUNDWATER TABLE OBSERVATIONS

Burmister System. The test boring logs are enclosed in Soil samples obtained from the test borings were visually classified in the field by HTE in accordance with the

Soils on site generally consisted of red brown, fine to coarse sand with some fine to coarse gravel and trace silt. Bedrock was not encountered in any of the test borings.

5.2

Groundwater was encountered during drilling operations in monitoring wells MW-1, MW-2, MW-3 and MW-4 at 6 feet, 5 feet, 4.5 feet and 7 feet, respectively.

After a three day stabilization period groundwater levels were measured at 6.1, 3.9, 5.7, and 8.0 feet in monitoring wells MW-1, MW-3, and MW-4, respectively. A summary of groundwater elevation readings are included in Table 1. Based on the groundwater elevations obtained in this study, groundwater flow is predicted to be in a west-southwest direction (Figure 1).

FMN Trust

June 25, 1993 Project No.: C-1515A

#### 5.0 RESULTS:

5.1

Soil Sampling Results: Soil samples obtained during divilling operations from test borings MW-1 through MW-4 were screened using an OVM. VOCs were detected at a concentration of 1.6 ppm in the soil sample obtained from test boring MW-4 at a depth of 10 to 12 feet. No VOCs were detected in the other soil samples with the OVM. The results of the OVM screening are presented in further analysis. Results of soil sample analyses are presented in Appendix B.

Samples collected at 5 to 7 feet in test boring NW-1, 0.5 to 2.5 feet in NW-2, 5 to 7 feet in NW-3, and 0.5 to 2.5 feet in NW-4 were analyzed for aromatic and halogenated hydrocarbons and total petroleum hydrocarbons (TPH). No aromatic or halogenated hydrocarbons were detected in the four samples. TPH was detected at a concentration of 560 parts per million (ppm) in the sample obtained from NW-2 at a depth of 0.5 to 2.5 feet. No TPH concentrations were detected in the samples from test borings NW-1, NW-3, or MW-4.

Groundwater Sampling Results: Groundwater samples were collected from each monitoring well on April 27, 1993 and were submitted to CTI for analysis of aromatic and halogenated hydrocarbons and for the eight RCRA metals. Results of groundwater analyses are presented in Appendix C. Halogenated hydrocarbons were detected in the groundwater samples obtained from monitoring wells MW-2 and MW-4. The groundwater sample from well MW-4 contained trichloroethylene at a concentration of 20 parts per billion (ppb), tetrachloroethylene at 8 ppb and T1,2-dichloroethylene at 8 ppb. The groundwater sample from well MW-2 contained trichloroethylene and tetrachloroethylene, both in concentrations of 3 ppb.

Methyl tert butyl ether (MTBE), an aromatic hydrocarbon, was detected in the sample from monitoring well MW-2 at a concentration of 2 ppb. No other aromatic hydrocarbons were detected in the groundwater

U

5

June 25, 1993 Project No.: C-1515A

Manchester, Connecticut. The site is currently utilized as a shopping mall. A Hess Gasoline Station was previously located on the subject site and several possible upgradient sources of potential contamination are present off-site. Groundwater in the area of the subject site has been classified as GB by the CT-DEP and may not be suitable for direct human consumption due to waste discharges. Mr. John Scalcius of the Manchester Health Department reported to HTE that there are no public or private drinking water wells within a mile of the site. The subject site consists of 20.91 acres of land at the corner of Broad Street and Green Manor Boulevard in

Groundwater monitoring well MW-1 was installed upgradient of activities on the subject site and two wells (MW-2 and MW-3) were installed down gradient of activities on the subject site. Monitoring well MM-4 was installed sidegradient of on-site activities but downgradient of Sears Automotive and several other off-site potential sources of contamination. Monitoring well MW-2 was installed downgradient of the estimated location of Hess Gasoline Station. Monitoring well MW-1 was installed downgradient of the location of the off-site potential sources of contamination.

dichloroethylene were detected in the groundwater sample obtained from monitoring well MM-4. Tetrachloroethylene and trichloroethylene were also detected in the groundwater sample obtained from monitoring well MM-2. Tel.2-dichloroethylene were also detected in the groundwater sample obtained from monitoring well MM-2. Tel.2-dichloroethylene is not currently regulated by the state or federal government, however, both trichloroethylene and tetrachloroethylene were detected at MM-4 at concentrations just above their respective maximum contaminant levels (MCLs) of 5 ppb. No active on-site sources of chlorinated hydrocarbons were identified by HTF during the phase I ESA. Based on measured groundwater flow directions and the absence of detectable levels of solvents in monitoring well of the solvent contamination found at the site may have previously located on the subject property. Alternatively, several off site sources located along Broad Street (see Section 1.0) could also have affected the site.

June 25, 1993 Project No.: C-1515A

As mentioned previously, groundwater in the area of the subject site is classified GB and, by definition, is an area of ing-term intense industrial or commercial development that is typically no longer used for drinking water. In the Proposal for the Connecticut Clean Up Standard Regulations published by the CTDEP in April 1993, the risk management decision made by the department for areas with GB classification of groundwater has been not to seek restoration of groundwater to drinking water protection criteria. This, combined with the absence of an on site contaminant source, the absence of drinking water wells in the area, the lack of any identified human health and safety risks, and the relatively low solvent concentrations detected by this study would not warrent remediation.

obtained from 0.5 to 2.5 feet in test boring MW-2. This concentration is above the state guidance level of 100 ppm for a GB groundwater classified area. The contamination detected during our phase II assessment could be residual TPH contamination associated with the contaminated soil removal which took place on the subject site during construction activities in 1983. Mr. Coss of the CT-DEP reported that the contamination removed in 1983 was from a petroleum product. Additionally, considering the samples shallow depth below the asphalt yearented that the contamination sement (0.5 to 2.5 feet), the TPH concentrations could be attributable to the asphalt sub-base. No VOCs were detected in this sample by field screening-techniques or by EPA Method laboratory analyses. No aromatic hydrocarbons, halogenated hydrocarbons, or TPH compounds were detected in any of the other three soil samples analyzed.

Low levels (2 ppb) of MTBE were detected in the groundwater in monitoring well NW-2. This concentration is well below the MCI of 100 ppb for MTBE. The only potential on-site source would have been the Hees Gasoline Station. However, this is not likely because MTBE was not a typical constituent of gasoline when Hess was in operation. The MTBE contamination is likely to be from one of the off-site upgradient properties that contain gasoline underground storage tanks (USTs). USTs are located at Mr. Auto Car Wash, Capitol Tire, and Pennzoil Nainute Economy Oil Change. An UST at Pennzoil was also reported to be leaking. This and two other tanks, as well as contaminated soil, were removed from the Pennzoil property.

June 25, 1993 Project No.: C-1515A

## 7.0 FINDINGS AND CONCLUSIONS

- Findings: Based on the studies conducted and observations made as part of the present subsurface investigation, we have prepared the following findings:
- Groundwater at the subject site is classified as GB and as such may not be suitable for public or private use as drinking water without treatment. Groundwater is inferred to move primarily towards the contract of the contr the west-southwest.

- 2) No aromatic or halogenated hydrocarbons were detected in soil samples from test borings MW-1, MW-2, MW-3, or MW-4 using EPA Method laboratory
- ۳ No aromatic or halogenated hydrocarbons or RCRA metals were detected in the groundwater or soil samples at monitoring wells MW-1 and MW-3.
- 4) groundwater sample obtained from monitoring well MW-2 in concentrations that were below their MCLs. Though detected in relatively low concentrations, both trichlorosthylene and tetrachlorosthylene occurred in MW-4 in concentrations that exceeded their respective drinking water standards of 5 The solvents trichloroethylene, tetrachloroethylene ware detected ethylene ware detected in the groundwater sample obtained from monitoring well MW-4. Trichloroethylene and tetrachloroethylene were also detected in the -qdd
- 5 Low levels of MTBE were detected in the groundwater sample obtained from monitoring well MW-2. The concentration of MTBE was well below its maximum contaminant level.
- 6 TPH was detected in the soil sample obtained at a depth of 0.5 to 2.5 feet in test boring WW-2. TPH was not detected in any of the other three soil samples analyzed.

2

FMN Trust

7.2

June 25, 1993
Project No.: C-1515A

- Conclusions: Based on the above findings, we have prepared the following conclusions:
- monitoring wells and the nondetectable levels of solvents in monitoring well MW-1 suggest the contamination may be the result of activities at the Hess Gasoline Station, which was located on the subject site prior to the early 1980's. There are also a number of abutting properties upgradient of the subject site that could have affected the subject site with regards to solvent wells MW-2 and MW-4 could be attributable to either an on-site or off-site source. The groundwater flow direction determined from the The solvent contamination detected in monitoring contamination.
- υ (υ 2 desired, additional subsurface explorations would need to be performed. However, based on the GB groundwater classification in the area, the absence of drinking water wells in the vicinity of the site, the relatively low contaminant concentrations detected, and the CT-DEP policy of not seeking restoration of GB groundwater to drinking water protection criteria, it is unlikely that the concentrations detected would warrent The solvent concentrations detected at MW-4 were just above state and federal MCIs. Chlorinated solvents are denser than water and could be present at higher concentrations with depth in the groundwater. If more complete characterization of these chlorinated solvent concentrations was remediation.
- The level of MTBE detected in the groundwater at monitoring well MW-2 is well below the regulatory standard and does not require remediation. It is not likely that the WTBE detected at MW-2 is from past activities at the Hess Gasoline Station that was located on the subject site because MTBE was not typically a constituent of gasoline when Hess was in operation. The MTBE contamination is likely from one of the off-site upgradient properties that contain gasoline USTs. USTs are located at Mr. Auto Car Wash, Capitol Tire, and Pennzoil 10-Minute Economy Oil Change.

4

Project No.: C-1515A

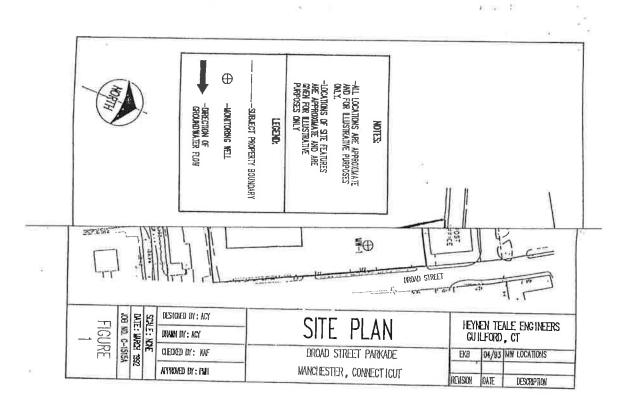
- TPH was detected in the soil at test boring NW-2. As there are no longer any significant sources of TPH on site, these findings may be attributable either to residual TPH-contamination remaining on site following the contaminated-soil removal activities that occurred during 1983 or, considering the sample's shallow depth, to the parking lots asphalt sub-base.
- The GB classification of groundwater in the area indicates the groundwater is neither used nor suitable for drinking water purposes. Therefore, the levels of substances detected during this phase II ESA are not considered to be a human health threat.

5

#### 8.0 LIMITATIONS:

Please note that this report is subject to limitations contained in Appendix D.

This study and report have been prepared on behalf of and for the exclusive use of FAN Trust solely for use in a preliminary environmental evaluation of the site. The report and findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party, in whole or in part, without prior written consent of Heynen Teale Engineers. However, we acknowledge and agree that the report may be conveyed to the lender, title insurer and legal counsel associated with the proximate transaction of the site.



#### LIMITATIONS

- The services performed and outlined herein were based, in part, upon visual observations of the size and attendant structures. Our opinion cannot be extended to portions of the size which were unavailable for direct observation. This includes interfor and extended the observation and extended the time of our site observations.
- our visual observations relating to hazardous materials in the environment at the site are described in this report. Where testing was performed, it was executed in those compounds or materials specified in our contract for services was performed. It should be noted that other compounds or materials not issted for may be present in the site environment.

2)

E)

Ļ

- The work performed in this report was carried out in accordance with the Standard Means and Conditions made pair of our contrast. The conclusions presented herein are based spirity you the scope of services described in our centract and the time and budgetary constraints imposed by the contract.
- The site history research performed herein relies or information supplied by itself and state agencies. We attempt has been made to independently verify the accuracy of such information.

4

\*

- We have prepared this report in accordance with fenerally accepted generatives, and make no other warranties, either expressed or implied, as the professional services provided under the terms of our contract and included in this report. The conclusions of this report are based, if par, on the information provided by others as outlined levels and on the limited number, if any, of substrates explorations and seculing points, as well as analyses and tests operformed. At the possibility tests that they are not the part of the state of the state of the part of the part of the state of the st
- It is recommended that this firm be provided the opportunity to provide further geotechnical and hydrogeological servies during the construction and/or the implementation of any remedial measures recommended here in. This will allow Beynes Teale Engineers to observe compliance with the conclusions and recommendations contained herein and to allow for design changes as necessary to suit field conditions as they are encountered.

7)

91

HEYNEN ENGINEERS MAY 1 4 1993

Client: Heymen-Teale Engineers Lab No.: 43-532-4 Job No.: C-1515A Rep. Date: 5-11-93

Date Samples Rec'd: 4-27-93

Arsenio-mg/L
Barium-mg/L
Cadmium-mg/L
Chromium, Total-mg/L
Lead-mg/L
Mercury-mg/L
Selenium-mg/L
Silver-mg/L

Matrix Type CTL Sample No. Field Id

4648 4648

Total Metals RESULTS OF ANALYSIS

Matrix Types : W = Water/Aqueous S = Soil/Solid O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC. 165 Gracey Avenue / Meriden, CT 06450 (203)-634-3731 Connecticut Certification No. PH-0547

#### TABLES

#### TABLE 1

SUMMARY OF WATER QUALITY PARAMETERS AND STATIC WATER TABLE ELEVATIONS AT 330 BROAD STREET WANCHESTER, CONDECTION PROJECT NO. C-1515A

Sample date: April 27, 1993

Well #	MW - 1	MW - 2	MM - 3	MW - 4
Temperature (°C)	13	13.5	16	11.5
Specific Conductance (µS/cm)	200	335	385	250
pH (s.u.)	6.50	7.30	7.20	6.80
Sheen or Product Present	None	None	None	None
Depth to Water (ft)	6.1	3.9	5.7	8.0
Relative Groundwater Elevation (ft)	100.29	96.10	93.16	92.23

#### Notes:

- Conductivity was measured in micromhos/cm (µM/cm) using a YSI Model 33 salinity-temperature-conductivity meter.
- 2) pH was measured using EXTECH Digital pH Meter Number 609. pH values indicate the relative acidity (pH < 7.0) or alkalinity (pH > 7.0) of the water.
- Assumed benchmark elevation of 100.0 feet at NN-2 (See Figure 1).

3)

TABLE 2

•

# SUMMARY OF OWN SOIL SAMPLE SCREENING 330 BROAD STREET AT MANCHESTER; CONNECTICUT

PROJECT NO. C-1515A

	MW - 4			MW + 3			MW - 2			1 - MM	Test Boring
10 - 12	0 - 2	10 - 12	5 - 7	0 - 2	8 - 10	5 - 7	0 - 2	10 - 12	5 - 7	0 - 2	Depth (ft)
1.6	0	0	0	0	0	0	0	0	0	0	Total Volatile Organics (ppm)

Total volatile organics readings were obtained by use of a Thermo Environmental Instruments (TEI) Model 580A Organic Vapor Meter (OVM), using headspace screening techniques. Minimum detection limit is 1.0.

Note:

DRILLING INSPECTOR: - 50 SOILS ENGINEER: нецея: J. Rupf овщея: G. Wishart, Jr. TYPE OF RIG CME 45 - Truck DATE START 45 40 \* 30 WEIGHT OF HAMMER - 35 - 10 25 04/20 GROUND WATER OBSERVATIONS 101 51 - 71 (FEET) 12 04/21/93 04/21/93 140# 30" D. Selger TYPE SS 13 100 601 BLOWS PER 6 IN.
ON SAMPLER
FROM - YO
E- C-5 | 5-13 | 12-11 | 19-24 6 OEPTH Proportions used: (race - 0-10%, little = 10-20%, some = 20-35%, and 35-50% 14 CONNECTICUT TEST BORINGS, INC. P.O. Box 69 · SEYMOUR, CT 06483 ŭ ESPECIALLY COMPILED FOR
Heynen-Teale Engineers
2455A Post Road
US Route 1
Guilford, CT 06437 GEOTECHNICAL & ENVIRONMENTAL DRILLING CT: 1-800-782-8085 FAX(203) 888-0855 M. CHO DRY DRY DÉNSITY PROFILE
OR CHANGE
CONSIST DÉPTH
MOIST. ELEV Soll Sampling Log SAMPLE TYPE

C CORED W WASHED

3S SPLT SPOON

UP UNDISTURBED PISTON

TP TEST PIT

UT UNDISTURBED THINWALL 11% ĵ 3"- SLACKTOP 2\* PVC WELL +) PE SET 0 14' SELOG GRADE

SERIEM

FISSE

14' TO - 4'

FISSE

14' TO - 2'

SAUD

BENTONTE

1 TO - 2'

COMMIT

1 TO 0' RED BROWN F-C SAND AND GRAVEL, TRACE OF RED BROWN F SAND RUST STAINED F-C SAND SOME F-C GRAVEL BOTTOM OF BORING SCREEN
RISER
SAND
BENTONITE
CEMENT
CURB BOX FIELD IDENTIFICATION OF SOILS PILE. C007650 REMARKS COMESIGNLESS SOLS

0-4 VERY LODGE
4-10 LODGS
10-30 MEDIUM
30-50 DENSE
50-+ VERY DENSE 34AL BROUND ELEVATION LOCATION THE 1 OF 93093 HSA 4% 330 Broad Street Manchester, CT NO. PEN REC 2 COHESIVE SOLLS
0-2 VERY SOFT
2-4 SOFT
4-8 MEDIUM
0-15 STIFF
15-20 VERY STIFF
20-HARD SAMPLER SAMPLE 24 164 24" 36" 24# 18\* 1 3/8" NOT DRAW CORE BORE / WEL BAF HELPER: J. Rupf ряшлея: G. Wishart, Jr. DRILLING INSPECTOR: D. Selger SOILS ENGINEER:

HAMMER FALL	GRO	04/20	SAMPLER O.D.	TANE OF AIG	DEPTH					, i	g	_ř_	ĎI I	30_	35	- 60	ś	. 20
MMER	GROUND WATER OBSERVATIONS TIME		2"	CME	DEPTHS	(FEET)	6=- 2+6=		,	101 - 121			W. Co.					
140# 30"	SERVATK			E 45	SAWP	YPE	SS	3	ŧ	S							ř.	
	DEPTH DEPTH	ď	E 1 3	- 17	В	2	VI	•	V	œ			on many					
	r		3/8"	Truck	BLOWS PER BIN, ON SAMPLER FROM - TO	6-12	16	4	U	٧			es =>					
8				H	전 토 토	12-18 19	댸	•		=								
NN NN NN NN	GEO.	c	ςŅ:	e	0 0	19-24	•0 E		r 6	- a						-		
CTICI	(203) TECHNIC	ESPE	455A	uilfor	DENSITY OR CONSIST	MOIST,	M. OW.		MET	E B								
S . 83	282-8095 282-8095	CIALLY	LTA 1	d, CI	PROFILE	FLEV	24	í		ý e								
TEST E	(203) FAX(	OMPILE	Road	0643	וד		BLACKTOP	RED BROWN	GRAY TRAP	RED BRO	BOTTOM OF					2" PYC WELL PI	SCREEN RISER SAND BENTONITE CENENT CURB BOX	
CONNECTICUT TEST BORINGS, INC. P.O. Box 69 · SEYMOUR, CT 06483	(203)888-3057 (203)888-5777 (203) 888-5777 (203)888-3058 (203)888-3058 (203)888-30585	FOR	2455A Post Road US Route 1	37	ELD IDENTIFICATIO	ALWAIN	1	F-C SAND AND	AP ROCK GRAVEL	BROWN F-C SAND AND GR	BORING					PE SET &	→ 5½ 5½ 5%	
			Time Time	37 SIZE LO.	ELD IDENTIFICATION OF SOI	70		F-C SAND AND GRAVEL,	8	JN F-C SAND AND GRAVEL						PE SET a 12%' BEL	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
COCATION	OFFICE		Ment	\$12E LG.	FIELD IDENTIFICATION OF SOILS	200		F-C SAND AND	8	JN F−C SAND AND GRAVEL						2" PVC VELL PIPE SET 3 12%' BELOW GRADE	一点透透透	
COCATION	OFFICE	FOR HOLENG MW-2	TASA HSA	\$12E LG.		NO	1	F-C SAND AND GRAVEL, TRACE OF	8	JN F-C SAND AND GRAVEL						PE SET # 12%' BELOW GRADE	12% TO - 12% TO - 12% TO - 1 TO - 1 TO - 1	
COCATION	OFFICE		Ment	SIZELO 4¼" 1	ELD IDENTIFICATION OF SOILS	NO	124	F-C SAND AND GRAVEL, TRACE OF	ROCK GRAVEL	SAND AND GRAVEL 3 24*						PE SET # 12%' BELOW GRADE	12% TO - 12% TO - 12% TO - 1 TO - 1 TO - 1	
HOCATION	OFFICE		TASA HSA	SIZE LO. 4 1/4 "	SAMPLE		24m 12m	F-C SAND AND GRAVEL, TRACE OF	ROCK GRAVEL 2 244 9th	SAND AND GRAVEL					-	PE SET a 12%' BELOW GRADE	12% TO - 12% TO - 12% TO - 1 TO - 1 TO - 1	

SAMPLE TYPE
C - CORED W - WASHED
SS - SPLIT SPOON
UP - UNDISTURBED PISTON
TP - TEST PIT
UT - UNDISTURBED THROWALL

COMESIONLESS SOULS

0 - 4 VERY LOOSE

10 - 30 MEDIUM
33 - 49 DENSE
50 + VERY DENSE

COHESIVE SOILS
0-2 VERY SOFT
2-4 SOFT
4-0 MEDIUM
1-15 STIFF
15-30 VERY STIFF
30 + HARD

ELE:

C007651

DRILLING INSPECTOR: SOLS CHOMEEN DATE START DATE FINISHED WEIGHT OF HAMMER HAMMER FALL THEORIG CME 45 - Truck AMPLER O.C. GROUND WATER OBSERVATIONS J. Rupf G. Wishart, Jr. 101 -5+ -2 TIME 04/21/93 04/21/93 140# 30" 121 7 D. Selger TYPE SS ĸ 10.1 3/8" 0-6 6-12 12-19 18-24 4'6" used: trace = 0-10%, little = 10-20%, some = 20-35%, and 35-50% CONNECTICUT TEST BORINGS, INC. P.O. Box 69 · SEYMOUR, CT 06483 GEOTECHNICAL & ENVIRONMENTAL DRILLING CT: 1-000-782-8085 FAX(200) IRB-0855 ESPECIALLY COMPILED FOR
Heynen-Teale Engineers
2455A Post Hoad
US Route 1
Guilford, CT 06437 DRY DRY K. 000 E Soos DENSITY P Soll Sampling Log SS - SPLT SPOON

TP - TEST PT

UT - LYNDISTURBED THINWALL ž RED BROWN F-C SAND AND GRAVEL, TRACE OF BLACKTOP BOTTOM OF BORING Z" PYC WELL PIPE SET @ 12% BELOW GRADE SCREEN
RISER
SAND
SENTONITE
CEMENT
CLERB BOX FIELD IDENTIFICATION OF SOILS FILE REMARKS C007652 COHESIONLESS SOILS

0 - 4 VERY LOOSE

4 - 10 LOOSE

10 - 30 KEDRIM

10 - 50 DENSE

50 + VERY DENSE HOLE NO. MW-3 PROL NO. 3444 DESTRI LOCATION HSA 41% 330 Broad Street Manchester, CT 64568 93093 COHESIVE SOLS

0.2 VERY SOFT

2.4 SOFT

4.8 MEDIUM

8.15 STIFF

15.30 VERY STIFF

30.7 HARD SAMPLE PEN MEC 72 24" 16\* 24" 16m 1 3/8" ř. CORE NOT DRAWN BORE / WELL BAR HEGGER: NOT RESPONDE SON STATE OF DRILLING INSPECTOR: DALLING SOILS ENGINEER: 50 DATE START DATE FINISHED - 45 - 10 -6 Ġ \* 30 04/20 WEIGHT OF HAMMER TYPE OF RIG MANPLER OD GROUND WATER OBSERVATIONS J. Rupf G. Wishart, Jr. 10. . 6=- 216 CME 45 - Truck TIME 04/21/93 04/21/93 140# 30" 121 TYPE D. Selger SAMP 55 S SS 10 1 3/8" 7. ON SAMPLER FROM - TO Proportions used: trace = 0-10%, title = 10-20%, some = 20-35%, and 35-50% CONNECTICUT TEST BORINGS, INC. P.O. Box 68 · SEYMOUR, CT 06483 ₩ 24 GEOTECHNICAL & EXVISCOMENTAL DRILLING
CT: 1-870-742-9085 FAX(201) #88-0835 ESPECIALLY COMPILED FOR Heynen-Teale Engineers 2455A Post Road US Route 1 Guilford, CT 06437 DRY DOMP DRY COMP HET LESSE CONSIST MOIST. PENSITY Soil Sampling Log SAMPLE TYPE

G. COPRED W.-WASHED

SS. SPLIT SPOON

UP. LINGUISTURBED PISTON

TP. TEST PIT

UT. UNDISTURBED THINWALL PROFILE CHANGE CSPTH LIEV RED BROWN F-C SAND, TRACE OF F-C GRAVEL, BOTTOM OF BORING BLACKTOP 2" PVC WELL PIPE SET & 14" BELOW GRADE SCREEN
RISER
SAND
BENTONITE
CEMENT
CURB BOX FIELD IDENTIFICATION OF SOILS 742 REMARKS C007653 SO - VERY LOCSE

10 - 4 VERY LOCSE

10 - 20 WEDIUM

10 - 50 WEDIUM

10 W HOLEND MW-4 Manchester, CT PROU NO. OFFSET , , ,

- 10

. 15

04/20

HSA 4%"

SS

ξ

1 3/8" CORE

ŏ

PEN REC 24" 16"

> NOT DRAW TO SCALE BORE / WEL

24.1204

25.4 16.4

SAMPLE

1 or 93093

DHILLER

- 50

+ 45

011401

OCHESIVE SOILS
0-2 VERY SOFT
2-4 SOFT
4-6 MEDIUM
6-15 STIFF
15-30 VERY STIFF
30 - HARD

. 40

35

- 30

Page

HEYNEN ENGINEERS

Client : Heynen-Teale Engineers Lab No. : 43-331-4 PO No. : C1515A Rep. Date: 4-28-93 APR 3 1 1903
Date Extracted: 4-26-93
Date Tested: 4-27-93
Analyst: RS

MDL = Minimum Detectable Level/BDL = Below Detection Level/UNITS = PPB

Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbons

12-Dichlorobenzene 13-Dichlorobenzene 14-Dichlorobenzene Trichloropropane

1122-Tetrachloroethane 2
Tetrachloroethylene 2
Chlorobenzene 2
Bis(2-chlorethoxy)methane 1
Bis(2-chloroisopropyl)eth 1
Bromobenzene 2
Chlorobenzene 2
Chlorobenzene 2
Chloroetaidenyde 1
1-chloromethyl methyl ether 1
Chloromethyl methyl ether 2
Chloromomethane 2
Chl

Chloroform

12-Dichloroethane
11-Trichloroethane
Carbontetrachloride
Bromodichloropropane
12-Dichloropropane
13-Dichloropropylene
Trichloroethylene
Dibromochloromethane
112-Trichloroethylene
112-Trichloropropylene
112-Trichloropropylene
2-Chlorethylvinylether
2-Chlorethylvinylether

Chloromethane
Bromomethane
Vinylchloride
Chloroethane
Methylenechloride
Trichlorofluoromethane
Il-Dichloroethylene
Il-Dichloroethylene
T12-Dichloroethylene

Matrix Type : CTL SAMPLE # : Field ID :

4537 MW1 5-7'

4538 4539 MW2 NW3 1/2--2 1/2' 5-7'

8 4540 MW4 1/2--2 1/2

EPA METHOD 601/8010

Date Samples Rec'd: 4-23-93

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Page 3

## EPA METHOD 602/8020 Date Samples Rec'd: 4-23-93

MATTIX TYPE : CTL SAMPLE # : Field ID :	HOL	4537 HW1 5-7	6 4538 MW2 1/22 1/2'	4539 5173	8 4540 NW4 1/22 1/2
Benzene	50	BDL	BDL	BDL	BDL
Toluene	50	BDL	BDL	BDL	BDL
Chlorobenzene	50	TOR	TOB	TOB	TOE
Ethyl Benzene	50	BDL	BDL	BDL	Ide
P & M Xylene	50	BDL	BDI	TOB	BDL
O- Xylene	501	TIDE	BDL	BDL	TOE
1,4-Dichlorobenzene	50	BDL	BOL	LIDE	BDL
1,3-Dichlorobenzene	50	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	50	BDL	BDL	BDL	BDL
MIBE	50	BDL	BDL	BDI	BDL_
	1				

MDL = Minimum Detectable Level/BDL = Below Detection Level/UNITS=PPB

Matrix Types: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC. 165 Gracey Avenue / Merden, CT 06450 (203)-624-3731 Connecticut Certification No. PH-0547

Page 2

HEYNEN ENGINEERS

Date Samples Received : 4-23-93

Client Name...: Heynen-Teale Engineers Date of Report: 5-5-93 PO/Job No. C-1515A

RESULTS OF ANALYSIS

EPA 418.1

Matrix Type CTL Sample No. Field Id

Oil & Grease (TPH) -ppm

S 4538 4539 4539 472 1/2-2 1/2' 5-7'

ND<25 560 ND<25 8 4540 HW4 1/2-2 1/2

Matrix Types : W = Water/Aqueous S = Soil/Solid O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC. 165 Gracey Avenue / Meriden, CT 06450 (203)-634-3731 Connecticut Certification No. PH-0547

Page 2

HEYNEN ENGINEERS

Client : Heynen Teale Engineers Date Tested : 5/5/93
Lab No. : 43-483-4
PO No. : C 1515-A
Rep. Date : 5/7/93

1-Chlorohexane
Chloromethyl methyl ether
Chlorocoluene
Dibromomethane
12-Dichlorobenzene
13-Dichlorobenzene
14-Dichlorobenzene
Trichloropropane Bromobenzene Chloracetaldehyde \_\_\_\_ Benzyl Chloride
Bis(2-chlorethoxy)methane
Bis(2-chloroisopropyl)eth
Bris(2-chloroisopropyl)eth Bromodichloromethane
12-Dichloropropane
T13-Dichloropropylene
Trichloroethylene Methylenechloride
Trichlorofluoromethane
11-Dichloroethylene
11-Dichloroethane Field ID Matrix Type : EPA METHOD 601/8010 1122-Tetrachloroethane
Tetrachloroethylene
Chlorobenzene Dibromochloromethane
112-Trichlorosthane
Cis13-Dichloropropylene
2-Chlorethylvinylether T12-Dichloroethylene 2-Dichloroethane Date Samples Rec'd: 4/27/93 MDF MW-1 MW-2 WW-3 V-A-Y -0

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

Matrix Type : W = Water/Aqueous S = Soll/Solld O = Oll/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
[203]-83432731
Connecticut Certification No. PH-0547

Page 3

HEYNEN ENGINEERS MAY 1 1 1993

Client : Heynen Teale Engineers Date Tested : 5/5/93
Lab No. : 43-43-4
PO No. : C.1515-A
Rep. Date : 5/7/93

HC 1,2-Dichlorobenzene O- Xylene P & M Xylene 1,4-Dichlorobenzene Toluene :,3-Dichlorobenzene Ethyl Benzene Chlorobenzene Benzene Field ID Matrix Type : EPA METHOD 602/8020 S (Z) Gasoline-ppm\_ #2 Fuel Oil-ppm Date Samples Rec'd: 4/27/93 1 ٦, ۱, . 05 .05 h 1 ĮĻ, Ð TIMM TOB BDL BDL BDL BDL TOB BDL BDL BDL BDL BDL TGB MW-2 \_IDGE\_ BDL BDL BDL BDL \_BDL\_ BDL \_BDL\_ BDL TOE BDL 2.0 WW-3 Ξį, TGE BDL BDL BDL BDL BOL BDL BDL BDL TOG BDL BDL MW-4 羁 BDL BDL BDL TOR \_BDL\_ BDL BDL BDL BDL BDL TOR BDL

MDL = Minimum Detectable Level / BDL = Below Detection Level / UNITS = PPB

HC as Diesel Fuel-ppm

23

Kerosene-ppm

.05

BDL

BDL

BDL

TOB.

BDL

BDL

BDL

BDL

Matrix Type: W = Water/Aqueous S = Soil/Solid O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-43701
Connecticut Certification No, PH-0547



September 12, 1994

Mr. David Locke Manley Berenson Associates, Inc. 66 Long Wharf Boston, MA 02110

Subject: Subsurface Investigation Report Broad Street Parkade Manchester, Connecticut

Dear Mr. Locke:

ABB Environmental Services, Inc. (ABB-ES) is pleased to present one copy of the attached report entitled "SUBSURFACE INVESTIGATION REPORT, SITE B MANCHESTIER CONNECTICUT". The report presents the findings, conclusions and recommendations of the subsurface investigation recently performed at the referenced site.

Please feel free to contact Garry Van Heest at (203) 632-0533 should you have any questions or comments concerning this report.

ABB-ES appreciates the opportunity of providing professional services to Manley Berenson

Sinerely,
ABB ENVIRONMENTAL SERVICES, INC.

Garry L. An Heest, CEP Environmental Services Manager

ABB Environmental Services, Inc.

Northstat Region

Corporate Place 128 107 Audizon Road Waterfast, MA 01680

Telophone (817) 245-6606 Fax (817) 345-5060

SUBSURFACE INVESTIGATION REPORT

SITE B MANCHESTER CONNECTICUT

ABB Environmental Services, Inc.



# SUBSURFACE INVESTIGATION REPORT SITE B

#### Prepared for:

BOSTON, MASSACHUSETTS 02110

MANLEY BERENSON ASSOCIATES, INC.
66 LONG WHARF DRIVE

#### Prepared by:

ABB ENVIRONMENTAL SERVICES, INC. 34 INDUSTRIAL PARK PLACE MIDDLETOWN, CONNECTICUT 06457

SEPTEMBER 9, 1994

APPENDIX A
APPENDIX C
APPENDIX C

BORING LOGS
LABORATORY ANALYTICAL REPORT-SOIL
LABORATORY ANALYTICAL REPORTS-GROUNDWATER
GROUNDWATER FIELD DATA RECORDS

APPENDICES

# MANCHESTER, CONNECTICUT

#### SUBSURFACE INVESTIGATION REPORT MANCHESTER, CONNECTICUT SITE B

#### 3.0 FINDINGS 3.1 SOILS AND GEOLOGY 3.2 GROUNDWATER AND HYDROGEOLOGY 3.3 ANALYTICAL RESULTS 4.0 CONCLUSIONS EXECUTIVE SUMMARY .... Section 4.2 CHLORINATED VOLATILE ORGANIC GROUNDWATER TABLE OF CONTENTS Title Page No. 모 4 2222 EEE

EXECUTIVE SUMMARY

### EXECUTIVE SUMMARY

ABB Environmental Services, Inc. (ABB-ES) was retained by Manley Berenson Associates, Inc. to perform a subsurface assessment of the property known the Broad Street Parkade in Manchester, CT. The site is planned for development of a new retail facility at the site of the current Marshall's Mall. The purpose of the investigation was to: 1) assess if subsurface contamination exists beneath the footprint of the proposed building, 2) confirm the presence of and attempt to identify the source of groundwater contamination detected during a previous investigations, and 3) assess if contamination (if present) poses potential obstacles to construction of the proposed building.

Previous site investigations revealed that a gasoline station once occupied a portion of the site (now the location of a vacant supermarket building). Approximately 4,000 cable yards of contaminated soil were removed from this area during the early 1980s, apparently due to releases from an underground storage tank. A network of four previously installed monitoring wells revealed the presence of low concentrations of chlorinated volatile organic compounds (CVOCs) in the site's shallow groundwater.

ABB-ES installed a total of five groundwater monitoring wells and six borings during field program implementation. Soil and groundwater were collected and analyzed for volatile organic compounds (VOCs). Several samples were analyzed for total lead.

The results confirm the presence of CVOC previously detected in the site's groundwater. The chief CVOC detected, trichloroethylene (TCE), was found in low concentrations up to 22 ug/L in wells along the northern portion of the property. Groundwater data indicate that shallow groundwater flow is to the south and west across the site. CVOCs are present in groundwater immediately upgradient of the Marshall's Mall building, and may extend beneath the building footprint. The source of the CVOC detected in the groundwater appears to be from an off-site location to the northeast. Neither this investigation nor the previous study identified a source of CVOCs on the Broad Street Parkade property.

The CVOCs in groundwater may be the result of historical intermittent releases, or from a singular "slug release" event. If the CVOC resulted from gradual releases, then it would be expected that concentrations of CVOCs would diminish downgradient; in this case the concentrations under the Marshall's Mall building would be less than or approximately equal to the range of concentrations detected upgradient (i.e., 5 to 22 ug/L TCE). If the CVOCs resulted from a slug release, then it is possible that CVOC concentrations beneath the Marshall's building may exceed those detected during the site investigation.

ABB ENVIRONMENTAL SERVICES, INC

SSISTEB.RPT

1304,94.016

EXECUTIVE SUMMARY

A horizon of stained soil exhibiting a weathered fuel oil odor approximately two inches thick was encountered in an exploratory boring advanced on the south side of the Marshall's building. The boring where the staining was observed was converted into a groundwater monitoring well. No constituents of concern were detected in a groundwater sample analyzed from this well. The staining may be the remnant from a fuel oil tank when residences were located in this area in the early 1900s. Six exploratory borings were advanced in the vicinity in an attempt to delineate the extent of staining. The staining appears to be localized within the vicinity of where the initial boring was advanced, and does not extend beneath the Marshall's Mall footprint. The staining is not considered to be an issue of concern.

Based on the results of the investigation, ABB-ES recommends that one additional groundwater monitoring well be installed on the west side of the Marshall's building. This well will be used to assess the distribution of CVOCs, if present, beneath the building.

Excavation during construction of the new building will likely penetrate into the groundwater in several locations. This will result in a need for dewatering activities. A permit will be required from the Connecticut Department of Environmental Protection for water discharge. The information necessary to properly fill out the permit application will require chemical characterization information that will be obtained, in part, from the well proposed for the downgradient side of the building.

ABB ENVIRONMENTAL SERVICES, INC

SSISTIEB.RPT

E-2

1304,94,016

8.1 WOITSAR

0.00

A.S.

----

Gentle 1009

260 - 640

SECTION 2.0

(#)

# 2.0 FIELD PROGRAM IMPLEMENTATION

property. The initial scope of the investigation was outlined in an ABB-ES proposal dated August 8, 1994. Based on findings during the field program, some modifications to this scope of work were made, as noted below. investigations at the site and an understanding of the future intended use of portions of the The scope of the field program was developed based on ABB-ES'review of previous in the area of the proposed new building and in the vicinity of the former gasoline station. ABB-ES conducted a subsurface investigation to evaluate potential environmental impact

Locations for borings, monitoring wells, and sampling points are shown on Figure 2.

## 2.1 BORING ADVANCEMENT AND SOIL SAMPLING

using standard engineering practices. Subsurface soil samples were collected using 24-mch long split-spoon samplers. Soil samples were described in terms of visual characteristics, moisture, and odor. Soil samples were also field screened for VOCs using a photoionization detector (PID). MBSB03 was advanced and sampled with a decontaminated stainless steel On August 22 through 24, 1994, ABB-ES supervised the drilling of six borings (identified as MBSB01, MBSB02, MBSB03, MBMW05, MBMW06, MBMW07, and MBMW08) for borings were advanced to depths of 16 to 20 feet bgs with 4½-inch I.D. hollow-stem augers geologic characterization and monitoring well installation. With the exception of MBSB03 Boring logs, including the PID screening results, are provided in Appendix A

collection of soil samples were decontaminated prior to sample collection in the same Alconox detergent, and rinsing with tap water. All spatulas and spoons used during the To avoid cross contamination with depth, the split-spoon sampler was advanced ahead of the augers, and was decontaminated between samples by scrubbing in tap water with All drilling equipment was steam cleaned prior to initiating drilling, and between borings

this boring and six additional borings were installed around it to delineate the extent of an approximately two inch thick stained soil layer was identified (possibly fuel oil) at a depth of approximately 7.5 feet (water table). Due to this discovery, a well was installed in were shared with and agreed to by Manley Berenson Associates prior to implementation. staining on August 26, 1994. In addition, a three foot deep boring was installed inside the Mall, in the lobby area where buckled floor tiles were observed. These scope modifications In the course of installing the 25 foot geotechnical boring south of the building (MBSB02)

ABB ENVIRONMENTAL SERVICES, INC

2-1

SSISTEB.RP

1304,94,016

SECTION 2

shipping and chain-of-custody procedures. Following sample collection, all boreholes in which wells were not installed were backfilled with the soil cuttings from the boring. and MTBE. Samples were submitted to Pace Laboratories of Westbrook, ME, using proper instrumentation readings, four soil samples were submitted for laboratory analysis for VOC Soil samples were collected from each of the soil borings. Based on field observations and

## 2.3 MONITORING WELL INSTALLATION AND DEVELOPMENT

south of existing well MW-4. On August 26, 1994, ABB-ES supervised the installation of MW-09, located on the south side of the Marshalls Mall. Monitoring well locations are shown in Figure 2. On August 22 through 24, 1994, ABB-ES supervised the installation of four monitoring wells (identified as MBMW-05, MBMW-06, MBMW-07, MBMW-08) at the site, including two adjacent to the east side of the Marshalls, one to the north of the Marshalls, and one to the

The wells are constructed of 2 inch ID PVC. The well screens are 10 feet long with 0,010 inch slot. The screens are placed to bridge the water table in each well. No. 2 sand is used as a filterpack and hydrated bentonite chips as a seal. Each well is finished with flushmount in Appendix A. construction. The monitoring well construction diagrams are provided on the boring logs

were pumped for an average of 60 minutes. All wells pumped clear within 10 minutes. yielded from 1 to 5 gpm and returned to static level immediately after pumping. Upon completion, each well was developed by pumping with a centrifugal pump. The wells The wells

# GROUNDWATER SAMPLING AND WATER LEVEL SURVEY

On August 24, 1994, the existing and newly installed monitoring wells (with the exception of MW-9 which was installed after the survey) were surveyed by ABB-ES personnel for relative elevation using a site datum. Water level measurements were then recorded from presented in Table 1. each well. The well elevations, water levels, and calculated groundwater elevations are

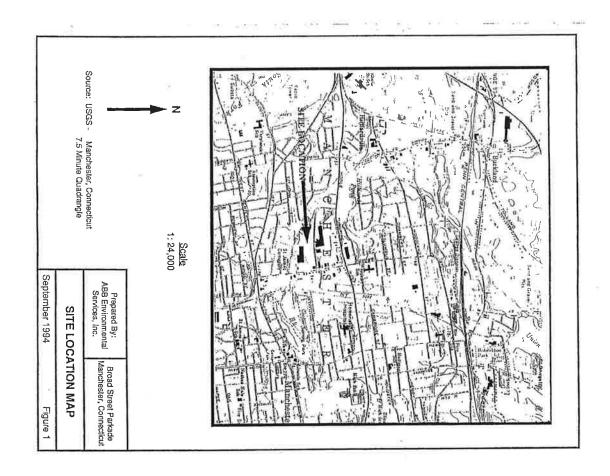
Environmental Testing (CET) in Shelton, CT for VOC, MTBE, and total lead analysis. MW-09 was sampled on August 27, 1994. for VOC and MTBE analysis. In addition, MW-2 and MW-4 were analyzed for total lead. Records are presented as Appendix D. Groundwater samples were then collected using dedicated teflon bailers. Samples were submitted to Pace Laboratories of Westbrooke, ME times the water volume within each well using a centrifugal pump. Groundwater Field Data Following the recording of these measurements, the wells were purged by removing three Samples were submitted to Complete

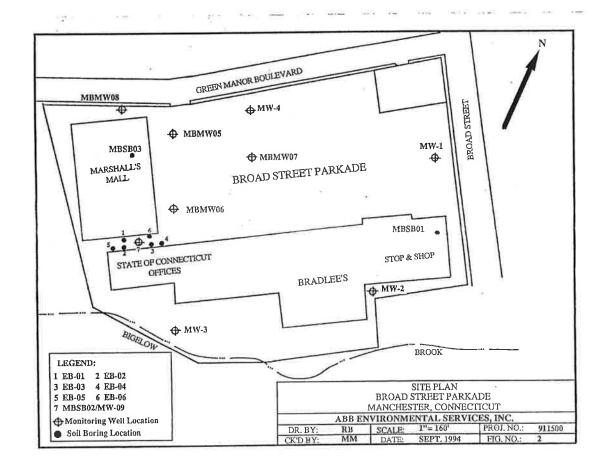
ABB ENVIRONMENTAL SERVICES, INC

2-2

SSISTIEB, RPI

1304.94.016





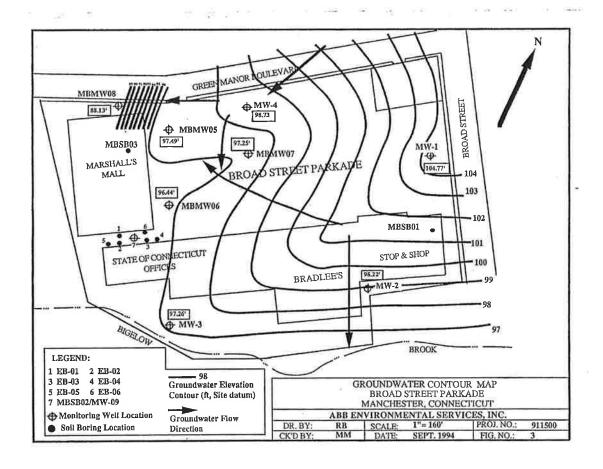


ABB ENVIRONMENTAL SERVICES, INC

invert of the drain appears to be below the water table elevation and the level of the water in the drain appears comparable to the water table. Therefore, it appears that groundwater is discharging into this storm drain system. According to the Phase I report, the storm drains

at the site discharge to Bigelow Brook.

ANALYTICAL RESULTS

The results of laboratory analysis of soil samples are presented in Appendix B and summarized in Table 2. The results of laboratory analysis of groundwater samples are presented in Appendix C and summarized in Table 3. The results of laboratory analysis of groundwater samples are

#### TABLE 1 MONITORING WELL GROUNDWATER ELEVATIONS AUGUST 24, 1994 BROAD STREET PARKADE, MANCHESTER, CONNECTICUT

MONITORING WE NO.	LL RELATIVE TOC ELEVATION	DEPTH TO WATER AUGUST 24, 1994	GROUNDWATER ELEVATION AUGUST 24, 1994
	(Feet, Site Datum')	(Feet Below TOC)	(Feet, Site Datum')
MW-1	104.77	5.70	99,07
MW-2	98.22	4.05	94.17
MW-3	97.26	5.37	91.89
10114	98.73	7.14	91.59
M W-4	07.40	7.69	89.80
	97.49	1,09	47.00
MBMW-05	97.49 96.94	6.51	90,43
MW-4 MBMW-05 MBMW-06 MBMW-07	, ,	· ·	

\*Based on arbitrary elevation of 100.00 assigned to a light pole in the parking lot. TOC = Top of PVC casing

#### 3.0 FINDINGS

The findings from the subsurface investigation are discussed below in three general categories; soils and geology, groundwater and hydrogeology, and analytical results. findings

### SOILS AND GEOLOGY

The physical subsurface conditions encountered were consistent with information in the previous reports. The Phase I report describes the surficial geology of the site as obtained from the Geologic Map of the Manchester Quadrangle by Roger B. Colson, 1965, as coarse to fine and medium to fine sands, with fine sand predominant in most cases. collapsed drift deposits, composed of stratified sand and gravel. The soil borings revealed Interspersed within the sand are varying amounts of silt and gravel.

The bedrock geology is described in the Phase I report as the Portland Arkose, a reddish-brown and gray arkosic siltstone, sandstone, and conglomerate. Boring MBSB02, the geotechnical boring on the south side of the Marshall's Mall, reached spoon refusal at 20.5 feet, however, it is not known if this was due to encountering bedrock

GROUNDWATER AND HYDROGEOLOGY

3.2

Groundwater was encountered between 2 and 8 feet bgs during the investigation. The estimated depth to groundwater beneath the Marshalls Mall footprint is approximately 6 to 8 feet bgs. A groundwater elevation contour map, including inferred groundwater flow The flow direction of the water table aquifer is believed to be influenced by the surface topography, surface water bodies, and artificial drainage. Dry weather flow of water was observed in the storm drain behind the new Stop & Shop, north of the Marshalls Mall. The directions, is presented as Figure 3.

1304,54.016

The results of the field and laboratory analysis did not indicate the presence of any analytes in the soil in the vadose zone at the site above practical quantitation limit.

The CVOC contamination previously identified in the groundwater from MW-4 (TCE at 20 ug/l, tetrachloroethylene (PCE) at 8 ug/l, and 1,2-dichloroethylene (DCE) at 8 ug/l) is still present in MW-4 (TCE at 19 ug/l, PCE at 10 ug/l, and DCE at 6 ug/l) and is detected in MBMW07 (TCE at 16 ug/l, and PCE at 12 ug/l), MBMW05 (TCE at 22 ug/l, PCE at 14 ug/l), and chloroform at 14 ug/l), and chloroform at 14 ug/l), and Chloroform at 5 ug/l). The "J" designation indicates that the analyte was detected in the sample but is assigned an estimated value because the concentration is below the laboratory's Practical Quantitation Limit (PQL).

ABB ENVIRONMENTAL SERVICES, INC

4.2

1304.94.016

#### TABLE 2 SUMMARY OF DETECTED COMPOUNDS SOIL SAMPLES BROAD STREET PARKADE MANCHESTER, CONNECTICUT

overhead structures and underground utilities. No volatile organic compounds were

detected in the groundwater sample collected from MW-9 which was installed in MBSB02.

The apparent fuel oil residue at the water table was visually identified in soil borings MBSB02, EB-02, EB-03, and EB-05. The residue was not visually identified in borings EB-01, EB-04, and EB-06 which indicates that it does not extend to the north (towards the Marshall's Mall) or to the east. Further exploration to the south and west was restricted by

SOIL BORING	MBSB0105	MBSB0207	MBSB0300	MBSB0303
DEPTH BELOW GROUND SURFACE	5,5'	7.5'-8'	6.5'	2.5'-3'
METHYLENE CHLORIDE	JB5	JB4	JB4	JB4
ACETONE	ND	J5	J2	ND
ETHYLBENZENE	JB1	ND	ND	ND

#### NOTES:

All results reported in ug/kg (ppb) J = Denotes an estimated value less than the Laboratory's Practical Quantitation Limit.

B = Denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample. The method blank contained Methylene Chloride and Ethylbenzene at J5 and J1 ug/kg respectively.

ND = Not Detected

#### TABLE 3 SUMMARY OF DETECTED COMPOUNDS GROUNDWATER SAMPLES BROAD STREET PARKADE MANCHESTER, CONNECTICUT

MW+1	MW-2	MW-3	MW-4	MBMW-05	MBMW-06	MBMW-07	MBMW-08	MW-X(MBMW09
JB1	JB4	JBI	ND	JB1	JB1	JBI	JB1	ND
JB2	JB4	JB3	1B3	ND	ND	ND	JB5	ND
ND.	ND	ND	6	ND	ND	ND	ND	ND
ND	ND	ND	ND	34	14	ND	5	ND
ND	J3	ND	19	22	5	16	13	ND
ND	13	ND	10	14	ND	32	ND	ND
JB1	ND	ND	ND	ND	ND	ND	ND	ND
NA	5	NA	61	NA	. NA	NA	NA	<100
	JB1 JB2 ND ND ND ND ND	JB1 JB4 JB2 JB4 ND ND ND ND ND ND ND J3 ND J3 JB1 ND	JB1 JB4 JB1 JB2 JB4 JB3 ND J3 ND ND J3 ND JB1 ND ND	JB1 JB4 JB1 ND JB2 JB4 JB3 JB3 ND ND ND 6 ND ND ND ND ND ND ND ND J3 ND 19 ND J3 ND 10 JB1 ND ND ND	JB1 JB4 JB1 ND JB1 JB2 JB4 JB3 JB3 ND ND ND ND 6 ND ND ND ND ND 14 ND J3 ND 19 22 ND J3 ND 10 J4 JB1 ND ND ND ND	JB1 JB4 JB1 ND JB1 JB1 JB2 JB4 JB3 JB3 ND ND ND ND ND 6 ND ND ND ND ND ND J4 J4 ND J3 ND 19 22 5 ND J3 ND 10 J4 ND JB1 ND	JB1         JB4         JB1         ND         JB1         JB1         JB1           JB2         JB4         JB3         JB3         ND         ND         ND         ND           ND	JB1 JB4 JB1 ND JB1 JB1 JB1 JB1 JB2 JB4 JB3 JB3 ND ND ND JB5 ND ND ND 6 ND ND ND ND ND ND ND ND J4 J4 ND 5 ND J3 ND 19 22 5 16 J3 ND J3 ND 10 J4 ND J2 ND JB1 ND ND ND ND ND ND ND ND

#### NOTES:

All results reported in ug/l (pph)

J" denotes an estimated value less than the Laboratory's Practical Quantitation Level.

B" denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

The method blank contained Methylene Chloride and Acetone at J1 and J4 ug/l respectively.

ND = Not Detected

SECTION 4

#### 4.0 CONCLUSIONS

The results of the investigation indicate the following.

- Volatile organic contamination was not detected in the soils at the site, where sampled, beneath the old Stop & Shop or in the soils, where sampled, beneath the Marshall's Mall. No source of VOC contamination in soils has been identified on the Broad Street Parkade property.
- Low levels of CVOC contamination previously identified in the groundwater at MW-4 extend downgradient at least to the area of the parking lot in front of the Marshalls Mall. The detection of VOCs in groundwater do not represent an imminent-threat to human health or the environment.
- Weathered fuel oil residue is present, in a limited area, at the water table between the Marshalls Mall and the State of Connecticut offices.

# 4.1 CHLORINATED VOLATILE ORGANIC GROUNDWATER CONTAMINATION

As discussed above, the results of the subsurface investigation indicate that CVOC are present in the groundwater beneath the parking lot east of the Marshalls Mall and may exist beneath the Marshalls Mall footprint. However, several points should be considered in evaluating the significance of these detections.

The level of contamination in groundwater is relatively low. The concentrations detected do exceed Federal and State guidelines for drinking water, but the water table aquifer beneath the site is not used for drinking water. As stated in the Phase I report, groundwater at the site is classified as GB by the State of Connecticut. This is defined as groundwater within highly urbanized areas of industrial activities and where public water is available. It may not be suitable for direct human consumption due to waste discharges, spills or leaks of chemicals or land use impacts. The goal is to prevent further degradation by preventing additional discharge. The Manchester Water Department has confirmed that the area of the site is on public water supply and there are no wells in the area.

Because of the GB classification, it is unlikely that the Connecticut DEP would require groundwater remediation at the site. This was confirmed through an informal (and blind) consultation with a DEP Groundwater Unit hydrogeologist.

ABB ENVIRONMENTAL SERVICES, INC

SSISTEBRET

4-1

1304,94.016

#### SECTION 4

Commonwealth of Massachusetts regulations for a similar class of groundwater within 15 feet of ground surface would allow levels of TCE as high as 300 ug/l (an order of magnitude above the highest detection at the site) before there would be a concern over indoor vapor exposure due to volatilization of TCE from the water table. This regulatory value is a risk-based targe cleanup level for groundwater derived from conservative assumptions regarding soil and aquifer properties and building construction.

Should any of the contamination reach Bigelow Brook, the low levels of volatile organics would be diluted by the volume of surface water and volatilized by the action of the stream. Therefore, the VOC concentrations are not of concern with respect to Bigelow Brook.

The downgradient extent of the VOC plume, as well as the concentrations beneath the Marshall's Mall footprint, are not known at this time. To determine if the plume has passed beneath the building, and what the concentrations are at that point, ABB-ES recommends installation of one additional monitoring well on the western side of the Marshalls Mall.

The groundwater quality information from the proposed well on the west side of the building will also be necessary in applying for a Temporary Authorization to discharge groundwater during anticipated construction dewatering operations. The Connecticut DEP has indicated that, while Bigelow Brook is not shown on the surface water classification map, they believe it to be a Class A stream and will attempt to clarify this classification. Should it be a Class A stream, pretreatment of groundwater would likely be required prior to discharge. Total VOC concentration in the effluent must be below 10 ug/l and TCE and PCE must each be below 5 ug/l. Should the stream be Class B, then 100 ug/l total VOC would be acceptable, with no compound-specific limits. The VOC concentrations detected in monitoring wells do not give rise to a significant risk to workers during construction by direct contact.

# APPARENT FUEL OIL RESIDUE AT THE WATER TABLE

As discussed above, the results of the subsurface investigation indicate that apparent weathered fuel oil residue is present at the water table between the Marshall's Mall and the State of Connecticut Offices. This area of weathered fuel oil is restricted to a zone at the water table and does not extend beneath the Marshall's Mall building.

ABB ENVIRONMENTAL SERVICES, INC

4-1

SSISTIEBRAPT

1-2 1304.94.016

ABB ENVIRONMENTAL SERVICES, INC

4.3

1304,94,016

The source of the apparent fuel oil has not been identified. The Phase I report did not indicate any potential sources in this area of the site. However the oldest aerial photo examined was 1965, which reportedly showed this part of the site as vegetated.

ABB-ES is pursuing further historical information to identify the source. Historical aerial photos beyond 1962 do not appear readily available. The Phase I report did not indicate that Sanborn Fire Insurance Maps had been reviewed for the site. ABB-ES is in the process of obtaining available Sanborn Maps for the site. ABB-ES has seen a 1914 map of Manchester which depicted residences in this area of the site, which may be the source of the fuel oil contamination.

A XIGH399A

. .

BORING LOGS APPENDIX A

ž 52 4.54.5 10.5 12.5 S-5 0.5-10.5 55 1 9-1 12.5 Laboratory Analysis Field UV/IR Racovery/ Panetration (in) **₹** 3 8-3 7 F ₹ ₹ ž ₹ ₹ 24 24 6 PID Sample (PPM) D End of Boring at 14.5 feet Laboratory Sample edilected from 5.0-5.5 feet Analysis: VO+10, Water Table at -5 ft. Brown fine SAND, and Silt, wet Brown fine SAND, and Silt, wet Brown fine SAND, and Sill, well Brown medium to fine SANO, little Silt, trace medium to fine Gravel Brown medium to fine SAND, Time Sitt, trace fine Grayel Brown fine SAND, and Silt, well Top 6 Inchas is concrete and gravel Brown fine SAND, and Sill, wet SalVRock Description MS N S MS S Sp ş Soil Class 5-5-6-6 7-7-8-7 17-37-44-26 Blows/8 Inches 47-7-7 20-30-28-24 14-10-10-10 44-7-9 N/A

Contractor: New England Boring Contractors of CT, Inc. Client: Manley-Berenson, Site B Casing Size: 41/4" ID

Logged by: MJM

Method: HSA Ground Elev. Userowi FIELD BORING LOG Sall Drilled: 14 ft. Date Started: 8/22/94 PID: HNu Total Depth: 14.5 ft. Permit # NA Ground Water Depth (BGS): -5 ft.
Date: Date Completed: 8/22/94 Project No.: 09115-00 Protection Level: Level D

BORING NO.: MBSB01

	ž	ž >	7	3	*	7 7	2 >	ž	¥ >	3	PID AIR (PPM)
	5-7	S-7 17-19	S-7 15-17	5-7	8-6	2 3	4 6	2 2	3-5 S-2	1-3	Sample Number and Dapth (ft b)
	2	20	Z	2	₹	8	ě	3	200	8	Laboratory Analysis
	ž	N N	ž	ž	×	ž	Z A	ž >	Ē	» »	Field UV/IR
	ā	24	24	24	6 4	24 2	26	2 2	N 0	24 5	Recovery/ Penetration (In
		0	٥	0	0	0	. 0	o:	0	e	PID Semple (PPM)
End on during w. Zo.a. I me. Leboratory Soll Sample collected from 7.5-8.0fest Analysis: VO+NTSE: Literators		Brown madium to fine SAND, trace Silt, little medium to fine Greyel, wet	Brown medium to fine SAND, little Silt, littly medium to fine Bravel, wet	Brown coarse to fine SAND, little Silt, some coarse to fine Gravel, wet	Brown fine SAND, little Sit, little coerce to (ine Grave), wet	Brown medium to fine SAND, trace Silt, some coarse to fine Grovel, wat	Brown fine SAND, little Silt, trace fine Greval, wet - Two inch dark statined leger at "7,5 ft, slight adar, possibly fuel oil	Brown fine SAND, little Silt, trees fine Gravel, wet	Brown fine SAND, little Silt, trace fine Brown, moist	Top 6 Inches is controls and green Brown fine SAND, Hitle Sitt, Irade medium to fine Grevel	Boll/Rock Description
		SP	ry.	45-A	ę,	ñ	Ş	ñ	d S	셤	Soff Class
	40-57-100/5	12-9-11-15	12-14-16-15	33-65-30-36	6-51-4-5	6-6-6-5	10-11-10-15	3-2-2-2	2-3-3-3	14-18-7-7	Blows/6 inches
	-			himi	mmmm	minimi	indimi	nininini		muum=	Well Date

Page 1 of 1				
Date:	Pormit # NA		Logged by: МИМ	i i
Ground Water Depth (BGS): NA	ft. Total Depth; 3.0 ft.	Sail Drilled: 2.5 ft.	Ground Elev. UNINOWN	
Protection Level: Level D	PID: HNu	Casing Size: NA	Method: Hand Auger	-
Date Completed: 8/24/94	Date Started: 8/24/94	mental Services, inc.	Contractor: ABB Environmental Services, Inc.	
Project Na.: 09115-00	er, CT	son / Site B, Manchest	Client/Site: Manley-Berenson / Site B, Manchester, CT	****

Client: Honley-Baranson, Site B

Contractor: New England Boring Contractors of CT, Ibbite Started: 8/24/94

Hethod: HSA Casing Size: 41/4" ID PID: HNU

Graund Elev, UNIXIOWN Soft Drillad: 20 ft. Total Depth: 20.5 ft.

Project No: 09115-00
Date Complete: B/26/94
Protection Level: Level D
Ground Water Depth (BES): 7.5 ft

BORING NO.:MBSB02/MW9

Logged by: MJM

Parmit " NA

Date:

FIELD BORING LOG

 FIELD BORING LOG	ត		BORING NO.: MBSB03
 Client/Site: Manley-Berenson / Site B, Manchester, CT	n / Site B, Manchester, CT		Project No.: 09115-00
Contractor: ABB Environmental Services, inc.	ental Services, Inc.	Date Sharted: 8/24/94	Date Completed: 8/24/94
Melhod: Hand Auger	Casing Size: NA	PID: HNu	Protection Level: Level D
Ground Elev. UNINDAN	Soil Drilled: 2.5 ft.	Total Depth: 3.0 ft.	Ground Water Depth (BGS): NA

	 ı Î	, i Ži i i	ا آ ا	رأيا	1000	أيا	uiu	آب	111	ı	Depth (FT)
						4		₹	\$		PID AIR (PPM)
								S-2 25-30	S-1.0		Sample Number and Depth (ft ble)
						- 2		8	8		Laboratory Analysis
								3	×	_	Field UV/IR Recovery/ Penstration (in)
	 		_	-				3	3	-	
								۰	0		PID Sample (PPM)
9						7	End of Boring at 0.0 feet Laboratory 50.0 Samples collected from 0,5-1.0 and 2,5-0.0 feet Analysis: VO+10, MTBE Water Table and encountered	Brown SiLT, and coarse to fine Gravel	Brown fine SAND, some Silt, some coarse to fine Gravel	Top 6 inches is concrete zrid grave!	SolfRock Dencription
	 							ML-GM	£		Soil Class
								*	*		Blown/6 Inches
										NA.	Weji Dala

		₹	¥.	₹	3	<b>₹</b>	PID AIR (PPM)
		8.5	Elz	3 3	ğlı	5 8	Sample Kumber and Depth (ft blo
		ř	7	₹	8	8	Laboratory Analysis
		¥	ž	ž	₹	ş	Fleid UV/IR
		2 5	24 1	2 3	2 .	26	Recovery/ Penetration (In
	1	0	٥	0	٥	a	PID Sample (PPM)
Monitoring Well installed: PVC, 2 Inch ID 0.010 Inch slot screen from 15.0 to 5.0 t. blank interform 5 to 0 ft. No. 2 Stand from 15 to 3 ft. No. 2 Stand from 15 to 3 ft. Reachanton circle from 3 to 1 ft. Reachanton circle from 3 to 1 ft.	End si Baring at 15 feet Laboratory Soli Sample callected from 8.0 15 feet Analysts: VO-ALTBE Water Table at -6 ft.	Brown course to fine SAND, trace Silt, soins course to fine Grave!	Brown medium to fine SAND, trace Silt, some course to fine Gravel	Brown medium to fine SAND, little Silt, trace line Gravel	Brown coarse to fine SAND trace Sill, little medium to fine Gravel	Top 6 inches it pavement and gravel Brown medium to fine SAND, little Silt, trace fine Gravel	Sall/Rock Description
		WS	SP-SW	ŞP	SP-SW	Ą	Soli Clave
		<del>ў</del> г <del>ў</del> г ф св	13-12-8-12	6-11-11-18	28-31-33-26	P-R-13-19	Blowals inches
					VIIII	unun e	Well Date

Logged by: MJM Date:	Protection and United States of the Inc.	Ground Elev. UNROWN Soil Drilled: 14,5 ft. Total Depth: 15 ft. Ground V	Contractor: New England Boring Contractors of CT, Inc. Date Started: 8/23/94 Date Con	Clent; Manley-Berenson, Site 8	FIELD BORING LOG BORING
	Protection Level: Level D	Ground Water Depth (BGS): 8.2 ft.	Date Completed: 8/23/94	Project No.: 09115-00	BORING NO.: MBMW05

Ground Elev. CNOONN Soil Critish: 12.5 It. 1044 Caput. 13.5	Call Dellade to Fe	Method: HSA Casing Size: 4 1/4" ID PID: HNu	Contractor: New England Boring Contractors of CT, Inc. Date Started: 8/23/94	Cient / Site: Manley-Berenson / Site B, Manchester CT	FIELD BORING LOG
	Ground Water Depth (BGS): 6.5 ft.	Protection Lavel: Level D	Date Completed: 8/23/94	Project No.: 09115-00	BORING NO.: MBMWO6

بياأبي	بىڭ،	1 11111	لللل	أسسأ	أبييا		أسسأ	Depth (FT)
			₹	¥	3	₹	¥	PIO AIR (PPH)
			85.85 85.85	S-8.5	300	\$-2 154.5	S-1 0.5-2.5	Sample Number and Depth (It bis
			Y.	ě	8	8	7	Laboratory Analysis
			Š	š	×	ξ	₹	Fleid UV/IR
			2 2	2 0	20	2 12	27.2	Recovery/ Penetration (in
			۰	0	٥	D	0	PID Sample (PPM)
Water Table 41 - 0.5 ft.  Wontoining Well Installed : PVIC., 2 Nots 10  AUTO Inch asks sceen Kern 13.0 to 3.0 ft.  Batte Mer From 13.0 ft.  Batte Mer From 13.0 ft.  Batterian Lot 1 ft.  Falamentant color in 60 ft.	End of Boring at 13 leet Laboratory Soll Sample collected from 8.0-8.5feet Analysis: VO-MTBE		Brown madium to fine SAND, title Silt, and coarse to fine Gravel, wet	Brown Inne SAVO, some SEL (ILLE) course to fine Gravel	на Высочиту	Brown free SAAD, and SR, Ente medium to fine Grave, piece of concrate	Top 6 inches is pavement and gravel Brown fine SAND, little Sit, little medium to fine Gravel	Scil/Rock Description
			R	Sp		Ą	£	Soli Class
			16-13-12-36	47-13-12	8-7-7-4	10-6-10-5	14-18-18-17	Bioways inches
							vanas	Well Date
						1111	Mary I	Dapth (FT)

ĺ 12 \$ \$ \$ \$ 9.54 4.5-6.5 515 9.5-2.5 Sample Number and Depth (ft bis) Laboratory Analysis Field UV/IR Yes 7 ₹ 7 Š ₹ 3 ₹ 24 10 2 3 200 Recovery/ Penatration (in) 18 PID Sample (PPM) 0 0 0 0 Manikadng Wall Installed; PVC, 2 Jack ID 0.010 Inch sick sersen from 13.0 to 3.0 it bunk flaer from 3 to 0 it No.2 Sead from 15 to 2 it Bentonitia chips from 2 to 1 it Flatemount coller in concrete from 1 to 0 tt End of Boring at 13 loet
Laboratory Soil Sample collected from
6.0-6.5 feet
Analysis: VO-AMTBE
Water Tablo at ~5.8 ft. Brown medium to fine SAND, little Silt, sittle medium to fine Gravel, wet Brown medium to fine SAND, trace Sit.

Title medium to fine Gravel Brown medium to fine SAND, trace Sitt Brown medium to fine SAVD, trace Sit, title medium to fine Gravel Top 6 Inches is pavement and gravel Sall/Rock Description ABB Environmental Services, Inc. ĸ æ g Ş Soli Class 446-7 9-9-5-6 10-10-10-10 Blowns/6 Inches 10-10-10-10 

	ı		
1	ı	ב	
	ı	ñ	Ī
	ı	Г	
2	ı	ζ	
	ı	۵	Ū
1	ı	ς	)
	ı		
1	ı	Š	2
1	ı	G	)
	ı	г	-
	ı	Š	)
	ŀ	G	)

FIELD BORING LOG

Client / Site: Maniey-Berenson / Site B, Manchester CT

Contractor: New England Boring Contractors of CT, Inc. Date Started: 8/23/94

Method: HSA
Ground Elev. UNOXXXII Logged by: MJM

Casing Size: 4 1/4" ID
Soil Drilled: 12,5 ft.

PID: HNu Total Depth: 13 ft, Permit # NA

Protection Level: Level D
Ground Water Depth (BGS): 5.8 ft.

Date Completed: 8/23/94 Project No.: 09115-00 BORING NO.: MBMW07

Date:

77	FIELD BORING LOG	G		BORING NO.: MBMWO8
6	Client / Site: Manley-Berenson / Site B, Manchester CT	on / Site B, Manchester CT		Project No.: 09115-00
0	Contractor: New England Bo	Contractor: New England Boring Contractors of CT, Inc. Date Started: 8/24/94	Date Started: 8/24/94	Date Completed: 8/24/94
7	Method: HSA	Casing Size: 4 1/4" ID	PID: HNU	Protection Level; Level D
0	Ground Elev. UNINUM	Sail Drilled: 8 ft.	Total Depth: 8 ft.	Ground Water Depth (BGS): 2.41
-	Logged by: MJM	0	Portril # NA	Date:

أستأس	ببيأبين	ببيأ	أبينأيين		ست	Dapth (FT)	,
				\$	¥	PID AIR (PP	Mj
				5-45	S-25	Sample Num and Depth (	nber n bis
	~			ĕ	8	Laboratory	
				N.	\$	FIELD UV/IF	
				24 13	22/28	Recovery/ Penetratio	n (m
				0	٥	PID Sample (PPM)	
ē, Š	Montboring Well trabilled: FVC, 2 Inch ID 0.010 inch allo several from 8 to 1 ft blank dear from 1.0 o 1 ft blank dear from 1.0 o 1 ft Bentonille dripe from 0.5 to 0.5 ft Restreaded to 1.5 ft	End of Boring at 8 feet Laboratory sell Sample collected from 2,0–2,5 feet Analysia: VO+MTBE Water Trade at ~2.4 ft.		Brown medium to fine SAND, trace Sit, and course to fine Grevel, wet	Brown course to fine GRAVEL, life line Sand, little Sit, maist	Soll/Rock Description Brown Sil.T, trace line Sand	
				SP-GW	Q	ezskO Noệ	
				25-20-20-20	5-11-12-15	Blown's inches	
						Well Data	
							Bioward Inches

15 PID AIR (PPM) Sample Kumber and Depth (R bhs) Laboratory Analysia Reid UV/IR 7.5-9.5 7 š Recovery/ Penetration (in) ξ PID Sample (PPM) ٥ Brown fine SAND, little Sligtrace fine Gravel, wet - No odor or staining End of Boring at 9,5 feet Water Table at -7.5t. Soil/Rock Description Goll Class Blows/6 inches ₹ Depth (FT)

Page 1 of 1			
Date;	Permit # NA		Logged by: GV
Ground Water Depth (BGS):-7.5 ft	Total Depth: 9,5 ft.	Soil Drilled: 9 ft.	Ground Elev. UNIQUONN
Protection Lavel: Level D	PID: HNu	Casing Size: 4 1/4* ID	Method: HSA
Date Completed:9/2/94	Date Started: 9/2/94	Contractor: New England Boring Contractors of CT, Inc.   Date Started: 9/2/94	Contractor: New England B
Project No.: 09115-00		Site B	Client: Manley-Berenson, Site B
BORING NO.: CB-01		Ğ	FIELD BORING LOG

FIELD BORING LOG

Client: Maniley-Berenson, Site B

Contractor: New England Boring Contractors of CT, Inc.
Mathod: HSA

Ground Elev, Useacue

Logged by: GV

Casing Size: 4 144\* ID

FID: HNu

Total Depth: 3.5 ft.

Logged by: GV

Permit # IA

Project No.: eB-02

Project No.: 09115-00

Date Completed:9/2/94

Date:

Protection Level: Level D
Ground Water Depth (BGS):-7.5 ft

	Dopti (FT) PID AIR (PPM)
7.5-9.5 7.5-9.5	Sample Number and Depth (ft bis)
8	Leboratory Analysis
¥	Fleid UY/IR
<b>₹</b>	Recovery/ Peastration (in)
۰	PID Sample (PPM)
Bown Fire SAND, Ittle Sill, truce fire Oravol, wet - 2" thick layer decolored - fine of odor	Sol/Rack Description
48	Soli Class
š	Blowed inches
	Well Date
	No NA NA O Brown tine SAND, little Sill, trace tine Gravel, west - Z frick layer discolored - float dil eder

Depth (FT) PID AIR (PPM) Sample Number and Depth (It ble) Laboratory Analysis Field UV/IR 8 Recovery/ Penstration (in) ₹ PiD Sample (PPM) ø Brown fine SAND, little Stitpace fine Grave), wet - 0.75" thick layer decolored - fuel all oder End of Boring at 9.5 fest Water Table at -7.5% 48 Soli Cinse Blows/6 Inches 3

FIELD BORING LOG	٠	BORING NO.: EB-03
Client: Manley-Berenson, Site B		Project Na.: 09115-00
Contractor: New England Boring Contractors of CT, Inc.   Data Started: 9/2/94	Inc. Data Started: 9/2/94	Date Completed:9/2/94
Method: HSA Casing Size: 4 1/4" ID	PID: HNu	Protection Level: Level D
Ground Elev. UNIONAN Soil Drilled: 9 ft,	Total Depth: 9.5 ft.	Ground Water Depth (BGS):-7.5 #
Logged by; GV	Permit # NA	Date:

<u> </u>	<u>nghulundan</u>	Depth (FT)
	<u>\$1</u>	Semple Number and Depth (ft bis)
	F	Laboratory Analysis Field UV/IR
	7	Recovery/ Penstration (in)
	٩	PID Sample (PPM)
End of Buring at 9.5 feet Water Table at 7.5%.	Bound for SAND, Illus Situace for Caret, wet No odor or discolaration	Sol//Rock Description
i.	R	Soft Clase
	¥	Blowell inches
		Well Data Dapih (FT)

FIELD BORING LOG	ត		BORING NO.: EB-04
Client: Manley-Berenson, Site B	ite B		Project No.: 09115-00
Contractor: New England B	Contractor: New England Boring Contractors of CT, Inc.   Date Started: 9/2/94	Date Started: 9/2/94	Date Completed:9/2/94
Method: HSA	Casing Size: 4 1/4" ID	PID: HNU	Protection Level: Level D
Ground Elev. UNIONOWN	Sall Drilled: 9 ft.	Total Depth: 9,5 tt.	Ground Water Depth (BGS):-7.5 ft
Logged by: GV		Permit # NA	Date:

***************************************	سيلسليب	Dapit (FT)
	\$	PID AIR (PPM)
	5-1 5-1 5-1	Sample Number and Depth (it bis)
	8	Laboratory Analysis
	Š.	Field UV/iR Recovery/ Penetration (in)
	0	PID Sample (PPM)
End of Boring at 9.5 feet. Water Table at -7.5ft.	Bown fire SAND, little Silt-tream fine Grave), wat - Z* Oldh feyer dissocioned - fuel oil oddr	Snafflock Description.
	હ	Soli Clara
	ξ	Flowed Inches
		Well Dala
	<del>nilmalma</del>	Depth (FT)

7545

7 ξ ₹

0.

Brown tine SAND, little Sflittage fine Gravet, wet - No odor or staining

₹

	Logged by: GV Permit # NA	Ground Elev. UNANCHIN Soil Drilled: 9 ft. Total Depth: 9,5 ft.	Method: HSA Casing Size: 4 1/4" ID PID: HNu	Contractor: New England Boring Contractors of CT, Inc. Date Started: 9/2/94	Client Manley-Beronson, Site B	בורד בכווועם דכם
Page tot1	Date:	Ground Water Depth (BGS):-7.5 ft	Protection Level: Level D	Date Completed:9/2/94	Project No.: 09115-00	1 4 1 1 1 1 1 1

	Depth (FT) PID AIR (PPM) Sample Number and Depth (it bis) Laboratory Analysis		VS :yd beggal	Ground Elev. UNIQUOWN
-	Field UV/R  Recovery/ Penetration (in)  PID Semple (PPM)			Sall Drilled: 9 ft.
	Տան/Rock Dascription		Permit a NA	Total Depth: 9,5 ft.
	Soli Clare		_	6
	Bloward Inchars		Date:	Ground Water Depth (BGS):~7.5 ft
rimpin.	Well Date Depth (FT)	Page 1 of 1		BGS):~7.51

Logged by: GV

Method: HSA Casing Size: 4 1/4\* ID
Ground Elev. UNANOWN Soll Drilled: 9 ft. Contractor: New England Boring Contractors of CT, Inc.

PID: HNu

Pamit#NA Total Depth; 9.5 ft.

> Ground Water Depth (BGS):-7.5 ft Date Completed:9/2/94
> Protection Level: Level D Project No.: 09115-00 BORING NO.: EB-05

Client: Manley-Berenson, Site B FIELD BORING LOG

R XIGNEAN

APPENDIX B

LABORATORY ANALYTICAL REPORT-SOIL



September 1, 1994

Mr Garry Van Heest
ABB Environmental Services, Inc.
34 Industrial Park Place
Middletown, CT 06457

Dear Mr. Van Hecst:

WORK ORDER NUMBER: WK1162

Please find enclosed the Report of Analysis (ROA) for the samples received by the laboratory on August 25, 1994. This cover letter is an integral part of the ROA.

Effective August 3, our laboratory completed its consolidation with PACE Laboratories and ETC Laboratories. Our new company is called PACE, Inc., and you will see this reflected on our new letterhead. In the interim, until such time as all our systems are changed, reports of analysis along with other supporting documentation will show Coast-to-Coast.

contact with you shortly to provide more information on what the new company can offer. All other aspects of our local operation will remain the same. Additionally, we will now be able to offer you a broader range of analytical services through this PACE National System. We will be in

Your patience during this transition is appreciated. If you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact me. We appreciate your continued use of our laboratory and look forward to working with you in the future.

Sincerely,

PACE, INC.

Jon B. Boutet

fon Banty

Project Manager

JBB/dmt

c M. McCloskey, ABB-NJ

340 County Road #5 Wasibrook, ME 04082 TEL: 207-874-2400 FAX: 207-775-4029

An Equal Opportunity Employer

CC: GARRY VAN HEEST LJO/ejnejn/pph 09/01/94



## COAST-TO-COAST ANALYTICAL SERVICES, INC.

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

Lab Number: WK-1162-1
Report Date: 09/01/94
PO No. : WEX-94-01 -WO
Project : 09115.00

(207) 874-2400 Fax (207) 775-4029

CLIENT: GRERY VAN HEEST ABB ENVINCAMENTAL SERVICES 110 REEE STREET, P.O. BOX 7050 DTS PORTIAND, ME 04112

REPORT OF ANALYTICAL RESULTS

Page 1 of 16

DEFECTION	8	A COSTON TOWN	Total Visiting			
08/22/94 08/25/94	4	08/22/9	м. местоякту	X.	Solid	MESEOLOS
RECEIVE	H	SAMPLED DATE RECEIVED	SAMPLED BY	SAMPI	MATRIX	SAMPLE DESCRIPTION

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amoutated with 'c' values, (1) Sample Preparation on 08/25/94 by JF

Carnarillo. CA · San Jose, CA · Valouraiso. IN · Indiananolis. IN · Weethmok. MF



IN ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DIS
PORTLAND, ME 04112

Lab Number: WK-1162-1 Report Date: 09/01/94 PO NO. : WER-94-01 -WO Project : 09115.00

	REPORT OF	REPORT OF AVALYTICAL RESULTS	RESUL	IS		Page 2 of 16	25	<u> </u>
SAMPLE DESCRIPTION		MATRIX	8	AR CETTAWES	ZA ZA	SAMPLED DATE RECEIVED	ATE I	GEVIZOR
SOTOBSEM		Solid		M. MCCLOSKEY	SKEY	08/22/94 08/25/94	34 (	38/25/94
SELEMENTO	RESULT UNITS	STIND	D₽	#PQL	CORTEM	XA CEZATENY CORIEN 104*	BX	NOTES
							1	

1,2-Dichloroethane	Chloroform	Total 1,2-Dichloroethene	1,1-Dichloroethane	1,1-Dichloroethene	Carbon disulfide	Acetone	Methylene chloride	Chloroethane	Vinyl chloride	Bronomethane	Chloromethane	USEPA 8240	TCL Volatile Organics + MINE by
6,5	<6.5	<b>6.5</b>	\$6.5	5.9	£1.	<20.	JB5	<13.	£	Ė	£1.		
µg/kgdrywt 1.3	Mg/kgdrywt 1.3	mg/kgdrywt 1.3	µg/kgdrywt 1.3	$\mu g/kgdxywt 1.3$	μg/kgdrywt 1.3	µg/kgdxywt 1.3	µg/ligdirywt 1.3	µg/kgdrywt 1.3	μg/λgdzywt 1.3	µg/kgdrywt 1.3	µg/kgdrywt 1.3		
5 EPA 8240 08/25/94	5 EDA 8240 08/25/94	S EPA 8240 08/25/94	5 EPA 8240 08/25/94	5 EPA 8240 08/25/94	10 EPA 8240 08/25/94	15 EPA 8240 08/25/94	10 EPA 8240 08/25/94	10 EPA 8240 08/25/94	EPA 8240	EPA	10 EPA 8240 08/25/94		
8	8	8	1	æ	9	9	G	G	9	8	Q.		
													1,2,3

<sup>\*</sup> RG. (Practical Quantitation Level) represents laboratory reporting limits and may not reflect samplespecific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) The method blank contained Methylene Chloride and Ethylbenzess at 15 and Ju 19/kg respectively.

(2) "B\* flag denotes detection of this analyte in the laboratory method blank analyzed concurrently
with the sample.

(3) "U" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.

09/01/94

LJO/kfgcas/jbb(dw)/1jo

CC; GARRY VAN HEEST

Camarillo, CA • San Inon CA • Valneraico IN • Indiamentia IN • Washman ME



## COAST-TO-COAST ANALYTICAL SERVICES, INC.

IN ANALYSIS

CLIENT: GARRY VAN HEEST

ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS
PORTLAND, ME 04112

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1162-1 Report Date: 09/01/94 PO No. : MSA-94-01 -WD Project : 09115.00

REPORT OF ANALYTICAL RESULTS

PARAMETER SAMPLE DESCRIPTION MESEOT 02 RESULT UNITS Solid MATRIX 片 M. MCCLOSKEY SAMPLED BY \*POL METERO AR CEZXITANY SAMPLED DATE RECEIVED 08/22/94 08/25/94 Page 3 of 16 NOTES

Control of the second			1	
2-Butanone	20.	μg/λgdrγwt 1.3	15 EPA 8240 08/25/94 CH	
1,1,1-Trichloroethane	6.5	µg/kgdrywt 1.3	5 EDA 8240 08/25/94 CB	
Carbon tetrachloride	<6.5	μg/kgdrywt 1.3	3 5 EPA 8240 08/25/94 CB	
Vinyl acetate	20.	µg/kgdrywt 1.3	15 EFA 8240 08/25/94 CB	
Bronodichlozonethane	2,9>	µg/kgdrywt 1.3	3 5 EFA 8240 08/25/94 CB	
1,2-Dichloropropane	c6.5	µg/kgdrywt 1.3	S EDA 8240 08/25/94 CB	
cis-1,3-Dichloropropene	<6.5	µg/kgdrywt 1.3	3 SEPA 8240 08/25/94 CB	
Trichloroethene	6.5	µg/kgdrywt 1.3	5 EPA 8240 08/25/94 CB	
Dibromochloromethane	<6.5	μg/kgdrywc 1.3	5 EFA 8240 08/25/94 CB	
1,1,2-Trichloroethane	<b>6.5</b>	Mg/kgdrywt 1.3	3 S EPA 8240 08/25/94 CB	
Berzere	¢6.5	μg/kgdrywt 1.3	5 EPA 8240 08/25/94 CB	
trans-1,3-Dichloropropene	<6.5	$\mu g / kg dx y = 1.3$	3 5 EPA 8240 08/25/94 CB	
Bronoform	<6.5	$\mu g/kgdrywt 1.3$	3 S EPA 8240 08/25/94 CB	
4-Methyl-2-pentanone	-20-	µg/lagdrywt 1.3	15 EPA 8240 08/25/94 CB	

<sup>\*</sup> RQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with '<' values

09/01/94

LJO/kfgcas/jbb(dw)/ljo

CC: GARRY VAN HERST GARB-CT



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fex (207) 775-4029

CLIENT: GARRY VAN HEEST ARB ENVIRCEMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DIS
FORTLAND, ME 04112

Lab Number: WK-1162-1 Report Date: 09/01/94 PO No. : MSA-94-01 -MD Project : 09115.00

REPORT OF ANALYTICAL RESULTS

Page 4 of 16

ΒV	AN CHILATRINA	* FOLL METERO	TQF.	DF.	STEND	RESULT	PARAMETER
4 06	08/22/94 08/25/94	SKEY	M. MCCLOSKEY		Solid		MBSB0105
ACTE RE	SAMPLED DATE RECEIVED	УВ	SAMPLED BY		MATERIX		SAMPLE DESCRIPTION

2-Hexancine	<u>^2</u> 0.	hal/sagdrywe	1.4	15 EPA	A 8240	8240 08/25/94	Q
Tetrachloroethene	6.5	hal/yagdrywc	1.3	5 EPA	8240	08/25/94	8
1,1,2,2-Tetrachloroethane	<b>6.5</b>	hilly dight hat	1.3	5 EDA	8240	08/25/94	
Toluene	<6.5	Hg/kgdzywc	1.3	5 EEPA	8240	08/25/94	9
Chlorobenzene	<b>6,5</b>	pg/kgdrywc	1.3	5 EPA		8240 08/25/94	8
Ethylbenzene	TEL	hat/kgdrywt	12.3	5 EPA		8240 08/25/94	8
Styrene	<6.5	hg/kgdrywt	1.3	5 EPA		8240 08/25/94	8
Total Kylenes	6.5	pg/kgdrywt	1.3	5 EPA		8240 08/25/94	8
Mothyltertbutyl ether	Ê	hg/kgdryet	1.3	10 EPA		08/25/94	B
1,2-Dichloroethane (* Recovery)	97.	-	1.3	EDA	8240	08/25/94	8
Toluene-d8 (* Recovery)	. 86	•	1.3	AGE	8240	08/25/94	G
p-Bronofluorobenzene (* Recovery)	88.	-	1.3	A'GE	A 6240	8240 08/25/94	0

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with '<' values.

LJD/kfgcas/jbb(dw)/ljo

CC: GARRY VAN HEEST

CC: GARRY VAN HEEST @ARB-CT LJO/ejnejn/pph 09/01/94

Committee Charles from Charleston Blackstone the or wells

Camarilla, CA . San Inc. CA . Valoursian IN - 1-1:-



## COAST-TO-COAST ANALYTICAL SERVICES, INC.

IN ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1152-2
Report Date: 09/01/94
PO No. : MSA-94-01 -ND
Project : 09115.00

CLISHT: GARRY VAN HEEST
ARB RAVIACAMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DIS
PORTLAND, ME 04112

REPORT OF ANALYTICAL RESULTS

Page 5 of 16

	딝	0.10 CLP/CLP SOW 08/26/94 JF	CTP/CTP	0.1	1.0	wt % 1.0	68.	Solids-Total Residue (TS)
NOTES	挋	AH CEZZITENE	*PQL METHOD	*PQL	P. P.	SITIND	RESULT CNITS	PARAMETER
08/24/94 08/25/94	4,	08/24/5	M. MCCLOSKEY	м. ж		bilos	7	MESSE0207
RECEIVED	H.	CHANGE SINC CELEMAS	AB CETAWES	SAMP		MATRIX		SAMPLE DESCRIPTION

PQI (Fractical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values,</li>
 (1) Sample Preparation on 08/25/94 by UF



Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST
ARE ENVIRONMENTAL SERVICES
11.0 FREE STREET, P.O., BOX 7050 DTS
FORTLAND, ME 04112

SAMPLE DESCRIPTION

PARAMETER MBSB0207

RESULT

SITIND Solid MAIRIX

멓

\*PQL

WELLEN MELLEN

AMALYZED

Ä

1,2,3 NOTES M. MCCLOSKEY AR CETAWES

SAMPLED DATE RECEIVED 08/24/94 08/25/94

Page 6 of 16

NTL Volatile Organics + MIBE by

USEPA 8240

Leb Number: WK-1162-2
Report Date: 09/01/94
PO No. : MSA-94-01 -NO
Project : 09115.00

REPORT OF ANALYTICAL RESULTS

CLIENT: CARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS
PORTLAND, ME 04112

Northeastern Division 340 County Road, No. 5 \* P.O. Box 720 \* Westbrook, ME 04098

N ANALYSIS

(207) 874-2400 Fax (207) 775-4029

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Report Date: 09/01/94
PO No. : MSA-94-01 -MD
Project : 09115.00 Lab Number: WK-1162-2

REPORT OF ANALYTICAL RESULIS

Page 7 of 16

SAMPLE DESCRIPTION		XTXIIM		SAMPLED BY	SAMPLED DATE RECEIVED	TE RE	CELVED
MBSB0207		solid	1	M. MCCLOSKEY	08/24/94	1	08/25/94
PARAMETER	RESULT UNITS	CHILIN	B	*PQL METHOD	ANALYZED I	BY	NOTES
2-Butanone	47.	μg/kgdrywt 1.1	5	15 EPA 824	EPA 8240 08/25/94 0	B	
1.1.1-Trichlomoethane	<u>۸</u>	µg/kgdrywt 1.1	1.1	5 EPA 8240	0 08/25/94 (	8	
Carbon tetrachloride	<u>د</u> .	//g/kgdrywt	1,1	5 EPA 8240	0 08/25/94 (	8	
Vinvl acetate	417.	jug/kgdrywt 1.1	1.1	15 EPA 8240	0 08/25/94 (	B	
Bromodichloromethane	<b>65.</b> 5	ug/kgdrywt 1.1	1.1	5 EFA 8240	0 08/25/94 (	В	
1.2-Dichlorgoroome	<b>6</b> .5	µg/kgdrywt 1.1	1.1	5 EDA 8240	0 08/25/94 0	8	
cis-1,3-Dichloropropene	٠, ۲ د	hg/kgdrywt	1,1	S EPA 8240	0 08/25/94 (	8	
Trichloroethene	Λ U	he/reper/pu	1.1	5 EPA 8240	0 08/25/94 0	Ø	
Dibromochloromethane	2.3		1.1	5 EPA 8240	0 08/25/94	8	
1, 1, 2-Trichloroethane	<b>5.</b> 5	/ug/kgdrywt	1.1	5 EPA 8240	0 08/25/94	G	
Benzene	6.5	h2/kgdrywc	1.1	5 EPA 8240	0 08/25/94	0	
trang-1,3-Dichloropropene	<b>6</b> .	µg/kgdrywt	1.1	5 EPA 8240	0 08/25/94	В	
Broncform	<b>6</b> 5.5	halybby/54	1.1	5 EPA 8240	0 08/25/94	æ	
4-Methyl-2-pentanone	<17.	/19/kgdrywt 1.1	1,1	15 EPA 824	EPA 8240 08/25/94	B	

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

09/01/94

\* PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are included by results annotated with 'c' values. (1 'U" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level. (2) '"9" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

1,1-Dichloroethane Total 1,2-Dichloroethene

1,2-Dichloroethane

1,1-Dichloroethene Carbon disulfide Vinyl chloride Chloroethane

Bronomethane

Methylené chloride

pa/kgrtywt 1.1

10 EEA 8240 08/25/94
110 EEA 8240 08/25/94
110 EEA 8240 08/25/94
110 EEA 8240 08/25/94
12 EEA 8240 08/25/94
5 EEA 8240 08/25/94

88888888888

LJO/kfgcas/jbb(dw)/Ljo

CC: GARRY VAN HEEST

09/01/94

LJD/kfgæs/jbb(dw)/1jo

CC: GARRY VAN HEEST @AHB-CT



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Iab Number: WK-1162-2
Report Date: 09/01/94
PO No. : MSA-94-01 -MO
Project : 09115.00

CLIENT: GARRY VAN HEEST
AGE ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. ECX 7050 DIS
PORTIAND, ME 04112

REPORT OF ANALYTICAL RESULTS

Page 8 of 16

SAMPLE DESCRIPTION		MATRIX		AR CETTEMES		SAMPLED DATE RECEIVED	E SEDA	CEATSCA
MESB0207		Solid		M. MCCLOSKEY	KEY	08/24/94	4	08/25/94
PARAMETER	TUDSER	SILIND	D₽	-PQL	CONTEN	AWALYZED BY	报	NOTES
2-Hexanone	<17.	µg/kgdrywt 1.1		5	EPA 8240 08/25/94	08/25/94	8	
Tetrachloroethene	ري. ال	Jug/Augnitrywit 1.1	1.1	5	EPA 8240 08/25/94	08/25/94	0	
1,1,2,2-Tetrachloroethane	G.,5	μg/kgdrywt 1.1	1.1	ЬII	EPA 8240 08/25/94	08/25/94	8	
Toluerie	5.5	µg/kgdrywt 1.1	1,1	(J1	EPA 8240 08/25/9	08/25/94	a	
Chlorobenzens	Ç, 51	µg/kgdrywt 1.1	1.1	(J)	EPA 8240 08/25/94	08/25/94	a	
Ethylbenzene	\$5. UI	hd/jedgrywt	1.1	ហ	EPA 8240	8240 08/25/94	8	
Styrene	<5.5	μg/kgdrywt 1.1	1.1	UI	亞及 8240	8240 08/25/94	6	
Total Xylenes	¢5.5	µg/kgdzywt 1.1	1.1	ر د	EPA 8240	8240 08/25/94	ß	
Methyltertbutyl ether	<11.	µg/kgdbywt 1.1	1.1	10	EPA 8240	8240 08/25/94	8	
1,2-Dichloroethane (% Recovery)	100.	*	1.1		EPA 8240	8240 08/25/94	8	
Toluene-d8 (* Recovery)	91.	4	1.1		EPA 8240	8240 08/25/94	Ø	
p-Bromofluorobenzene (* Recovery)	100.	***	1.1		EPA 8240 08/25/94	08/25/94	A	

<sup>\*</sup> PQI (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amoutated with '<' values.

Carnarillo, CA . San Jose, CA . Valparaiso, IN . Indianapolis, IN . Westbrook, MR

CC: GARRY VAN HEEST MABB-CT LJO/kfgcas/jbb(dw)/ljo 09/01/94

## COAST-TO-COAST ANALYTICAL SERVICES, INC.

IN ANALYSIS

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN BESST ABB ENVIRGNESTRAL SERVICES 110 FREE STREET, P.O. BOX 7050 DIS PORTLAND, ME 04112

Lab Number: WK-1162-3
Report Date: 09/01/94
PO No. : MSN-94-01 -WO
Project : 09115.00

MATERIAL X SAMPLED BY

REPORT OF AMPLYTICAL RESULTS

Page 9 of 16

SAMPLE DESCRIPTION Solids-Total Residue (TS) PARAMETER WBSB0300 93. RESULT UNITS Solid \* 1.0 밁 TOPLISM JOS\* M. MCCLOSKEY 0.10 CLP/CLP SON 08/26/94 JF ANALYZEO SAMPLED DATE RECEIVED 08/24/94 08/25/94 ă NOTES

\* PCL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) Sample Preparation on 08/25/94 by dF

09/01/94

LJO/ejnejn/pph

CC: GARRY VAN HEEST



IN ANALYSIS

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Wesibrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES

110 FREE STREET, P.O. BOX 7050 DIS PORTLAND, ME 04112

Report Date: 09/01/94 PO No. : MSA-94-01 -MD Project : 09115:00 Lab Number : WK-1162-3

	REPORT OF	REPORT OF ANALYTICAL RESULTS	L RESULT	6/3		Tage to or Te	TO OF	ō
SAMPLE DESCRIPTION		MATRIX	to	SAMPLED BY	ZB.	SAMPLED	DATE	SAMPLED DATE RECEIVED
MBCB0300		Solid	7	M. MCCLOSKEY	SKEY	08/24/	94	08/24/94 08/25/94
PARAMETER	RESOLT UNITS	SHIM	DF	*PQL	METHOD	*PQL METHOD ANALYZED BY	EX.	NOTES
TCL Volatile Organics + MIBE by	,							1,2,3

Vinyl chloride Chloroethane

Methylene chloride

Brownethane Chloromethane USEPA 8240

1,1-Dichloroethene 1,1-Dichloroethane Carbon disulfide

Total 1,2-Dichloroethene

Chloroform

LVO/Adgesse/jbb (dw)/Ljo

CC: GARRY VAN HEEST BABB-CT

Parties on the last devices

### COAST-TO-COAST ANALYTICAL SERVICES, INC.

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1162-3

CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX '
PORTLAND, ME 04112 7050 DIS

Report Date: 09/01/94 PO No. : MSA-94-01 Project : 09115.00

Ŗ

	KEPOKI OF AMELITICAL MESOLIS	BESULTIS	Page 11 of 16
SAMPLE DESCRIPTION	MATRIX	AE CETAMES	SAMPLED DATE RECEIVE
00E0B2EM	Solid	M. MCCLOSKEY	08/24/94 08/25/9

SAMPLE DESCRIPTION		MATRIX	AR CETAWES	SAMPLED DATE RECEIVED	E RECEIVED
MESENO		Solid	M. MCCLOSKEY	08/24/94	08/25/94
PARAMETER	RESULT UNITS	CNLTS DF	*PQL METHOD	ANALYZED BY	Y NOTES
2-Butanone	<17.	µg/kgdrywt 1.1	15 EPA 8240	8240 08/25/94 C	a0
1,1,1-Trichloroethane	65.5	µg/kgdrywt 1.1	5 KPA 8240	08/25/94 C	00
Carbon tetrachloride	ć5.5	Hg/kgdrywt 1.1	5 EPA 8240	08/25/94 0	83
Vinyl acetate	<17.	/19/kgdrywt 1.1	15 EEA 8240	08/25/94 @	Ø
Bromodichloromethane	Ġ.,	jig/kgdrywt 1.1	5 EPA 8240	08/25/94 0	Ø
1,2-Dichloropropane	6,5	μg/kgdrywt 1.1	5 EPA 8240	08/25/94 CI	æ
cis-1,3-Dichloropropens	6.5	μg/kgdrywt 1.1	5 EPA 8240	08/25/94 0	OC
Trichloroethene	6.5	µg/kgdrywt 1.1	5 EPA 8240	09/25/94 0	COC
Dibromochloromethane	Ç5 ,51	/49/kgdrywt 1.1	5 EPA 8240	8240 08/25/94 0	CO
1,1,2-Trichlorcethane	<b>6.5</b>	//g/kgdrywt 1.1	5 EFA 8240	08/25/94 (2	B
Benzene	<b>6</b> 5.5	μg/kgdrywt 1.1	5 EPA 8240	08/25/94 @	æ
trans-1,3-Dichloropropens	\$5.55	µg/kgdrywt 1.1	5 EFA 8240	) 08/25/94 C	₩
Bronoform	 €.5	µg/kgdrywt 1.1	5 EPA 8240	08/25/94 0	æ
4-Methyl-2-pentazona	<17.	hg/kgdrywt 1.1	15 EPA 8240	8240 08/25/94 CB	æ

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with '<' values.

CC: GARRY VAN HEEST LJD/kfgcas/jbb(dw)/ljo

09/01/94

Cemarillo, CA · San Jose, CA · Valparaiso, IN · Indianapolis. IN - Westbrook

<sup>\*</sup> PCr. (Practical Quantization Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.

(1) "" flag denotes an estimated value less than the Laboratory's Practical Quantization Level.

(2) "S" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

(3) The method blank contained Methylene Chloride at US Ug/Ng. 1,2-Dichloroethane ##/Agritywt 1.1
##/Agritywt 1.1 10 EXPA 6240 09/25/94
110 EXPA 6240 09/25/94
110 EXPA 6240 08/25/94
120 EXPA 6240 08/25/94
130 EXPA 6240 08/25/94 9999999999



IN ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DIS
FORTIAND, ME 04112

> Report Date: 09/01/94
> PO No. : NSA-94-01 -MO
> Project : 09115.00 Lab Number : WK-1162-3

REPORT OF ANALYTICAL RESULTS

Page 12 of 16

NOTES	ALYZED BY	*PQL METHOD ANALYZED BY	*PQL	DF	STEND	RESULT UNITS	PARAMETER
08/25/94	08/24/94 08/25/94		M. MOCLOSKEY		Solid		OOEOBSEM
RECEIVED	SAMPLED DATE RECEIVED		SAMPLED BY		MATRIX	-	SAMPLE DESCRIPTION

p-Bronofluorobenzene (* Recovery)	Toluene-dB (* Recovery)	1,2-Dichloroethane (& Recovery)	Methylterthutyl ether	Total Kylenes	Styrene	Ethylbenzene	Chlorobenzene	Toluene	1,1,2,2-Tetrachloroethane	Tetrachloroethens	2-Hexanone	
94.	97.	105.	£	ţ,	\$.5	6.5	ري دي	٠ د.	۲. ال	۲. ن	<17.	
* 1.	* 1.1	* 1.1	µg/kgdrywt 1.1	µg/kgdrywt 1.1	µg/kgdzywt 1.1	µg/kgdrywt 1.1	μg/kgdrywt 1.1	µg/kgdrywt 1.1	µg/lagdrywt 1,1	Mg/kgdrywt 1.1	µg/kgdrywt 1.1	
<u>і</u>	۲	Þ		1	٢	1	1	ı	H	д	1	
EPA 8240	EPA 8240	EPA BZ40	8240	8240	5 EEPA 8240	5 EPA 8240	5 EPA 8240	5 EPA 8240 (	5 EPA 8240 (		.5 EPA 8240 (	
8240 08/25/94	08/25/94	08/25/94	08/25/94	8240 08/25/94	8240 08/25/94	8240 08/25/94	08/25/94	08/25/94	08/25/94	8240 08/25/94	8240 08/25/94	
B	ß	6	8 8	9 8	G	8	G	8	G	9	₽	

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with 'c' values.

Camarillo, CA - San fron CA - Valuerates IN - fault

CC: GARRY VAN HEEST GARRY - CT

LJO/kdgcas/jbb(dw)/ljo

09/01/94

## COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DIS
PORTIAND, ME 04112

Lab Number: WK-1162-4
Report Date: 09/01/94
PO NO. : MSA-94-01 -MD
Project: : 09115.00

REPORT OF ANALYTICAL RESULTS

Page 13 of 16

P	ĮĘ,	0.10 CLP/CIP SOW 08/26/94 JE	CLP/CIP	0.10	1.0	₩t ¥ 1.0	98.	Solids-Total Residue (TS)
NOTES	N	AB CEZATIVNY	*FQL METHOD	**QI	뮑	SILIND	RESULT CNITS DF	DARAMETER
08/24/94 08/25/94	*	08/24/9	M. MOCLOSKEY	, , , <sub>%</sub>		Solid		MESB0303
SAMELIED DATE REVETABLE	N E	CI CONTRINES	SAMELIED BY	SAMPI		MACIRUX		SAMPLE DESCRIPTION

PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-apecific reporting limits. Sample-specific limits are indicated by results amortated with '<' values.</li>
 (1) Sample Preparation on 08/25/94 by UF

09/01/94

Lio/ejnejn/pph

CC: CHARRY VAN HEEST

Camartillo, CA + San Invo. CA + Valnamico. (N + Indianarcolie, IN + Washimork, ME



Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

Fax (207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN REEST ABB ENTHLUNEZHT, P.O. ECK 7050 DTS 110 REES ESTREET, P.O. ECK 7050 DTS PCETIAU, ME 04112

Report Date: 09/01/94 PO No. : MSA-94-01 -MD Project : 09115.00 Lab Number : WK-1162-4

	REPORT OF	REPORT OF ANALYTICAL RESULTS	RESUL	K		Page 14 of 16	14 0	E 16
SAMPLE DESCRIPTION		MATRIX		SAMPLED BY	У	CELIAMES	DATE	SAMPLED DATE RECEIVED
MESBO303		Solid		M. MOCLOSKEY	XEX	08/24/	/94	08/24/94 08/25/94
PARAMETER	RESULT UNITS	BITIND	Þ	*PQL	CORTEM	AB CEZZITYNY CORLEM 104+	ZE C	NOTES
TCL Wolatile Organics + MIRE by								1,2,3

TCL Volatile Organics + MIRE by				*
USEPA 8240				
Chloromethane	<10	Mg/kgdrywt 1.0	IO EPA 8240 08/25/94 (	8
Bromomethane	<10	/4g/kgdrywt 1.0	IO EPA 8240 08/25/94 (	8
Vinyl chloride	<10	Mg/kgdrywt 1.0	10 EPA 8240 08/25/94 (	.8
Chloroethane	<b>₹</b>	/4g/kgdzywt 1.0	10 EPA 8240 08/25/94 (	8
Methylene chloride	JB2	/4g/kgdrywt 1.0	10 KPA 8240 08/25/94 (	8
Acetone	<b>515</b>	μg/kgdrywt 1.0	15 EPA 8240 08/25/94 0	8
Carbon disulfide	<10	$\mu g/kgdrywt 1.0$	10 EPA 8240 08/25/94 0	8
1,1-Dichloroethene	<b>\$</b>	µg/kgdrywt 1.0	5 EPA 8240 08/25/94 (	8
1,1-Dichloroethane	G	µg/lagdrywt 1.0	S EEPA 8240 08/25/94 (	B
Total 1,2-Dichloroethene	s	#g/kgdrywt 1.0	5 EPA 8240 08/25/94 (	0
Chloroform	G	/45/kgdrywt 1.0	5 EPA 8240 08/25/94 (	8
1,2-Dichloroethane	G	µg//kgdbywt 1.0	5 EPA 8240 08/25/94 0	B

<sup>\*</sup> RQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with 'c' values. (1) """ flag denotes an estimated value least than the Laboratory's Practical Quantitation revel. (2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently

09/01/94

LJO/kfgcas/jbb(dw)/ljo

CC: GARRY VAN HEEST @ABB-CT

OC: GARRY VAN HEEST MARB-CT

LJO/kfgcas/jbb(dw)/ljo

09/01/94

Camarillo, CA \* Sun Jose, CA \* Valparaiso, IN \* Indianapolis, IN \* Westbrook MF.



## COAST-TO-COAST ANALYTICAL SERVICES, INC.

IN ANALYSIS

CLIENT: CHARK VAN HEEST

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number : WK-1162-4

ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS
PORTIAND, ME 04112

Report Date: 09/01/94
PO No. : MSA-94-01 -MO
Project : 09115.00

REPORT OF AMALYTICAL RESULTS

Page 15 of 16

SAMPLE DESCRIPTION		MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	E RECEIVED
MBSB0303		Solid	M. MCCLOSKEY	08/24/94	08/25/94
PARAMETER	RESULT UNITS	SILIND	TORIEM JOS*	AMPLYZED BA	SELON AR
2-Butanone	£	μg/kgdrγwt 1.0	15 EPA 8240	08/25/94	8
1,1,1-Trichloroethane	Ġ	µg/kgdrywt 1.0	5 EPA 8240	0 08/25/94 0	H
Carbon tetrachloride	Ĉ,	μg/kgdtrywt 1.0	5 EPA 8240	08/25/94 0	Ы
Vinyl acetate	£	μg/kgdrywt 1.0	15 EPA 8240	08/25/94 0	늉
Bronodichloromethane	G	μg/kgdrywt 1.0	5 EZA 8240	0 08/25/94 (	Ы
1,2-Dichloropropane	6	μg/kgdrywt 1.0	5 EPA 8240	08/25/94 (	Ы
cis-1,3-Dichloropropene	G	HG/Hgdrywt 1.0	5 EPA 8240	08/25/94 0	Ы
Trichloroethene	G	µg/kgdrywt 1.0	5 EPA 8240	08/25/94 0	占
Dibromochloromethane	G	hg/kgdrywt 1.0	5 EPA 8240	08/25/94 (	H
1,1,2-Trichloroethane	Ġ.	μg/kgdrywc 1.0	5 EPA 8240	08/25/94 0	В
Benzene	G	µg/kgdrywt 1.0	5 EPA 8240	08/25/94 0	H
trans-1,3-Dichloropropene	Ġ	μg/kgdzywt 1.0	5 ELPA 8240	0 08/25/94 0	ᅜ
Bronoform	Ġ	/19/Jogdrywt 1.0	5 EPA 8240	0 08/25/54 0	Ħ
4-Mathyl-2-pentanine	e	μg/kgdrywt 1.0	IS EPA	8240 08/25/94 0	R

PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amorated with '<' values.</li>

<sup>(3)</sup> The method blank contained Methylene Chloride at J5 ug/kg.



IN ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Iab Number: WK-1162-4
Report Date: 09/01/94
PO No. : MSR-94-01 -MD
Project : 09115.00

CLIDNI: GREEV VAN HEEST HAE ENVIRONMENTAL SERVICES 110 FREE STREET, P.O. BOX 7050 DIS PORTIAND, ME 04112

	REPORT OF	REPORT OF ANALYTICAL RESULTS	RESULT	tri		Page 16 of 16	6 of	16
SAMPLE DESCRIPTION		MATRIX	EQ.	SAMPLED BY	AR	SAMPLED DATE RECEIVED	200	CENTEDER
WESENGO3		Solid	×	M. MOCLOSKEY	SKEY	08/24/9	4	08/24/94 08/25/94
PARAMETER	STIND LIDSES	STIN	D₹	-PQF	METHOD	*PQL METHUD ANALYZED BY	뭥	NOTES

2-Heyanone Tetrachioroethers 1,1,2,2-Tetrachioroethane Tuluens Chiorobenzens	66666	lg/kgdrywt 1.0 lg/kgdrywt 1.0 lg/kgdrywt 1.0 lg/kgdrywt 1.0 lg/kgdrywt 1.0	15 ERA 8240 08/25/94 CB 5 ERA 8240 08/25/94 CB 5 ERA 8240 08/25/94 CB 5 ERA 8240 08/25/94 CB 5 ERA 8240 08/25/94 CB
Toluens	G	mg/logdrywt 1.0	8240
Chlorobenzene	Ĝ	µg/kgdrywt 1.0	824
Ethylbenzene	û	hg/kgdrywt 1.0	5 EPA 8240 08/25/94
Styrene	G	µg/kgdrywt 1.0	5 EDA 6240 08/25/94
Total Kylenes	G	$\mu g/kgdrywt 1.0$	5 EPA 8240 08/25/94
Methyltertbutyl ether	0	µg/kgdrywt 1.0	B240
1,2-Dichloroethane (* Recovery)	104.	* 1.0	EPA 8240 08/25/94
Toluene-ds (* Recovery)	93.	1.0	EPA 8240 08/25/94
n-Brownfluornhenzene (* Recovery)	97.	1.0	EPA 8240 08/25/94

Practical Quantization Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.</li>

Camacillo Ch . Can Inse Ch . Veloraraiso IN . Indianannii: IN . War

CC: GARRY VAN HEEST GARRY VAN HEEST

LJO/kfgcas/jbb(dw)/ljo

Respectfully submitted, const-to-coast analytical services, inc. of anna A O'O'N fano

Supervisor, Client Services Laura J. O'Meara 09/01/94

### PACE INCORPORATED New England-ME Laboratory (207) 874-2400 CONFIRMATION

Page 1

ORDER NO WK-1162 Project Manager: Jon B. Boutet ORDER DATE: 08/25/94 PHONE: 207/775-5401 FAX: 203/632-5406 DUE: 26 AUG

KEPORT TO: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES 110 FREE STREET, P.O. BOX 7050 DTS PORTLAND, ME 04112

NVOICE: ABB ENVIRONMENTAL SERVICES, INC 110 FREE STREET, P.O. BOX 7050 DTS PORTLAND, ME 04112 LISA OLIVERI

PHONE: 207/775-5400 PO: TBA

SAMPLED BY: M. MCCLOSKEY DELIVERED BY: CLIENT DISPOSE: AFTER 24 SEP

TOTALS	Solid TCL V	ממיימת	MKTT MKTT MKTT T MKTT
αĴ	Solids-Tota TCL Volatile	MINATIO	OG NUMBER IK1162-1 IK1162-2 IK1162-3 IK1162-4
	Solids-Total Residue (TS) TCL Volatile Organics + MTBE by USEPA	PAG.	SAMPLE DESCRIPTION MBSB0105 MBSB0207 MBSB0300 MBSB0303
	CLP/CIP SO EPA 8240	METHOD	SAMPLED DATE/ 22 AUG 24 AUG 24 AUG 24 AUG 24 AUG 24 AUG
4	44	YTO	/TIME 2200 1010 1450 1445
175,00 700.00	175,00	PRICE	RECEIVED 25 AUG
700.00	700.00	AMOUNT	MATRIX

RDER NOTE: QC-I/BROAD ST ARCADE EPORT COPY: GARRY VAN HEEST @ABB-CT

INVOICE: With Report TOTAL ORDER AMOUNT \$700.00
This is NOT an Invoice

BP/JBB/WEST.JBB(dw)
08-25 Please contact CCAS promptly if you have any questions.





### Northeastern Division 340 County Ranal 45 - P.O. Box 720 - Westbrook , Maine 04092 (201) 817-2400 FAX (201) 175-4029

Client CANINE AND		Contact MIKENECH	Contac	Contact MINATURE STORY SAIN STORY	ארכרוי	Sphone (908)	182	Wer I		(304)332-1060	32-1	
Address GO WAS SULL HAVE		C 450	CCARR		55	DN sams	9		Zip C	Sip code 07066	706	
9.0. #	1		1	1911500	00		2.	発を	434	となっ	HEE	
Bill (if different than above)			bpy	6	55% (32 Stad	Sol		[2033632-0522]	- 25	22.5	"	
Sampler (Print/Sign) McConne	3	Y. Weccesser		300	Due Date A /26/94 NUSS El Copies To: CHL 14-47	26/95	iusii 2	Copies	To: C	3.3	47.5	
. 1	FRRU X	Varia Days	Look	١			ANALY	ANALYSIS AND CONTAINER TYPE	CONTA	NER T	PE	
LAB USE ONLY   WORK DRDER #:	IER #: LJK 162	12		اــــــــــــــــــــــــــــــــــــــ	فن			.).	• •	***		
REMARKS:				1_	BE. Here		70002	.)4.4		K(1)		
		Turas to T		11	171	65 65			• •			
SHIPPING INFO: DECEMBER	NINTACT CO.	DNOT INTACT	ACT		+,1	9 90	••	•	£έ	6.91	1.5	
Patroc	your no.	1	3	L	e te			•		*:9	• •	
* Sample Description	Date/Time coll'd	Hatrix	File.	No. of	. V		2.00	5	W .		30.0	
1 MB 580105	\$/22 7t	Salt		-	<	L	-			L	-	
J MASBOZ 07	.8/24/94.	2016		-	5	STICKT	7 5	13	40	opari	-	
	1/24/34	چه <del>ا</del> د		-	5		H	I	L	-	+	
4 MB SB0303	27.4.19	5016		-	1	-	-			-	+	
						_	-			-	+	
								E			+	
						_	-			-	-	
							H				-	
							-			1)	-	
							-			-	-	
							H				-	
							-				-	
							-		,		-	
											-	
								r			-	
		181				_					-	
							-				_	

Selfrey inher Stratignature) Date / Time Received By:(Signature) Relinquished By:(Signature) Date / Time Received By:(Signature)



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ARB ENVIADAMENT, I SERVICES 110 PREE STEER, P.O. EOX 7050 DIS PURILLAND, ME 04112

Lab Number: WK-1172-7
Report Date: 09/01/94
PO No. : MSA-94-01 -MD
Project : 09115.00

REPORT OF AMBIATIONS RESULTS

Page 21 of 26

SAMPLE DESCRIPTION	MATRIX	ğ		AR CETAWES	ХВ	SAMPLED DATE RECEIVED	H	CEALECEN
2-154	, Liby	STICHTE		CILIBAT		08/24/94	1 1	08/26/94
PARAMETER	RESULT	CNIES	DF	*PQL	COSTSM	AS CEZATENY	λĦ	SELON
2-Rutanone	£.	μg/L	1.0	15	EPA 8240	08/27/94	展	
1,1-Trichloroethane	Ġ.	J/E	1.0	51	EPA 8240	08/27/94	봈	
Carbon tetrachloride	<u>٠</u>	Hg/E	1,0	5	EPA 8240	08/27/94	R	
Vizvi acetate	△15.	T/BH	1.0	Li,	EPA 8240	08/27/94	됬	
Bromodichloromethane	<u>ښ</u>	T/E	1.0	5	EPA 8240	08/27/94	뛇	
1,2-Dichloropropane	<u>Ģ</u>	7/Erl	1.0	5	EPA 8240	08/27/94	月	
cis-1,3-Dichloropropene	ŷ	T/BH	1.0	U1	EPA 8240	08/27/94	H	
Trichloroethene	ដ	T/Br	1.0	(ri	EPA 8240	08/27/94	뒩	
Dibromochloromethane	Ģ	1/Pd/1	1.0	ы	EPA 8240	08/27/94	月	7
1,1,2-Trichloroethane	Ġ	T/Bd	1.0	ы	EPA 8240	08/27/94	DR	
Benzene	ç	T/Br	1.0	S	EPA 8240	08/27/94	됬	
trans-1,3-Dichloropropene	<b>5</b>	1/E/	1.0	(n	EPA 8240	08/27/94	R	
Branoform	Ģ	1/5H	1.0	eri	EPA 8240	08/27/94	됬	
4-Methyl-2-pentanone	<15.	1/54	1.0	15	EPA.	8240 08/27/94	Ä	

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with '<' values.

09/01/94

LJD/kfgear/gbp (dw) /jfg/kwh

Commeille Cy - c- tone Cy + telms

09/01/94

LJD/kdgear/gbp(dw)/jfg/kwb

49.

# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1172-7
Report Date: 09/01/94
PO No.: MSA-94-01 -WD
Project: 09115.00

CLIENT: CHREY VAN HEEST ABB ENVIRON-DAIDAL SERVICES 110 FREE STREET, P.O. BOX 7050 DIS PORTIAND, ME 04112

REPORT OF ANALYTICAL RESULIS

XURIN

AR CETTANES

SAMPLED DATE RECEIVED

Page 22 of 26

PARAMETER	RESULT UNITS	SILINI	DR	*PQL	*PQL METHOD	ANALYZED BY	ZE.	NOTES
	£15.	1/p4	1.0	15	EPA 8240	08/27/94	Ħ	
2-Hexanone	ដ	uq/L	1.0	ın	B240	08/27/94	景	
Technical and the control of the con	Ĉi l	T/D	1.0	Uī	KPA 8240	8240 OB/27/94	뒩	
T, T, A, A - TOLL RUI HOLLOGUESEN	Çn j	7/b	1.0	υī	EPA 8240	08/27/94	呂	
The composition of the compositi	Ġ.	1/24	1.0	رن در	EPA 8240	08/27/94	Ħ	
	Ġ	1/24	1.0	tn	KPA 8240	8240 08/27/94	뒩	
pulymentatio	<u>ئ</u>	En /	1.0	ın	EPA 8240	08/27/94	H	
SCYT FILE	<u>ر</u>	T/PH	1.0	in	EPA 8240	8240 08/27/94	멅	
TOTAL AVAILABLE OFFICE	<10.	EQ/F	1.0	10	EPA 8240	08/27/94	뒩	
recly ter court court	101.	-	1.0		EPA 8240	8240 08/27/94	봈	
The state of the s	97.	ψP	1.0		EPA 8240	B240 08/27/94	됬	
TOTALLO (4 MONTH)	98.	-4	1.0		EPA 8240	EPA 8240 08/27/94	뭐	

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.



CLIENT: GARRY VAN HEEST
AND ROVINGAMENTAL SERVICES
110 PRES SYSSET, P.O. BOX 7050 DIS
ECETLAND, ME 04112

Northeastern Division 340 County Road, No. 5 • P.O. Bax 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Iab Number: WK-1172-8
Report Date: 09/01/94
PO No. : MSA-94-01 -MO
Project : 09115.00 Project

REPORT OF ANALYTICAL RESULTS

Page 23 of 26

SAMPLE DESCRIPTION	×	MATRIX		AR CETIENTS		SAMPLED DATE RECEIVED	ă	RECEIVED
WW-4	ע	эфиесия		CLIENT		08/24/94	1	08/24/94 08/26/94
PARAMETER	CORTEM TOUR & SO STITUTE TO SEE	STITING	DF.	*PQL		AMPLYZED BY	BK.	SELON
Lead, Total	0.061 ng/L 5.0	πg/Ľ	2.0	0.005	0.005 239.2/7421 08/27/94 KW	08/27/94	졏	Р

<sup>\*</sup> PQI (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amoutated with '<' values.

(1) Sample Preparation on 08/25/94 by NP using 3020

09/01/94

LJD/ejngbp (dw) /kaw

## COAST-TO-COAST ANALYTICAL SERVICES, INC.

CLUENT: CARRY VAN HEEST

ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS
PORTIAND, ME 04112

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1172-8
Report Date: 09/01/94
PO No. : MSA-94-01 -MD
Project : 09115.00

REPORT OF AVALYTICAL RESULTS

Page 24 of 26

SAMPLE DESCRIPTION	DEM	MATRIX		SAMPLED BY	AB.	SAMPLED DATE RECEIVED	MATE	CEVISORS
M4-4	Aqu	Aqueous		CLIENT		08/24/94		08/26/94
PARAMETER	RESULT	SLIND	밁	*PQL	CORTEM	AMELYZED BY	AR	NOTES
TCL Volatile Organics + MTBE by USERA								1,2,3
8240							l	
Chloromethane	<10.	T/Er	1.0	10	EPA 8240		R	
Bronomethane	<10.	1/5ď	1.0	10	EPA 8240	08/28/94	DR	
Vimvl chloride	<10.	1/5d	1.0	10	PA 8240	08/28/94	N	
Chloroethane	<10.	Hg/L	1.0	77	EPA 8240	08/28/94	DR	
Methylene chloride	<10.	T/Bil	1.0	1,	EPA 8240	3 08/28/94	Ä	
Acetone	UB3	1/54	1.0	H.	5 EPA 8240		爿	
Carbon disulfide	<10.	1/E/	1.0	10	EPA 8240	08/28/94	ä	
1,1-Dichloroethene	<u>\$</u>	7/B/	1.0		5 EEA 8240		R	
1,1-Dichloroethane	<b>%</b>	$T/E\eta$	1.0		5 EPA 8240		됬	
Total 1,2-Dichloroethene	σı •	1/54	1.0		5 EPA 8240		R	
Chlaroform	<b>5</b> 5.	T/EM	1.0		5 EPA 8240	0 08/28/94	밁	
1,2-Dichloroethane	۵	T/Ed	1.0		5 EDA 8240	0 08/28/94	DR	
			l	l			I	

<sup>\*</sup> PCL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amoutated with '<' values.

(1) "U" flag denotes an estimated value less than the Laboratory's Fractical Quantitation Level.

(2) "B" flag denotes detection of this analyze in the laboratory method blank analyzed concurrently

LJO/kfgcas/dar/gbp(dw)/jfg/kwh

with the sample. (3) The method blank contained Acetone at  $34~\rm vg/L_{\odot}$ 



CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE SIMMET, P.O. BOX 7050 DIS
PORTIAND, ME 04112

Lab Number: WK-1172-8
Report Date: 05/01/94
PO No. : WEA-94-01 -WD
Project : 09115.00

8		
į		

	REPORT OF ANALYTICAL RESULTS	MATTICAL	, RESUI	ESS.	Page 25 of 26	of 26
SAMPLE DESCRIPTION	מאַא	MATRIX		SAMPLED BY	AC CENTAMES	SAMPLED DATE RECEIVED
M9-4	Āģi	Aqueous		CLIENT	08/24/94	08/26/94
PARAMETER	RESULT	SIZIN	B	COSTEM TOE+	QEZYTANÁ,	BY NOTES
2-Butanone	<15.	1/E/	1.0	15 EPA 82	EPA 8240 08/28/94	DR
1,1,1-Trichloroethane	Ġ	T/Br	1.0	5 EUA 82	EDA 8240 08/28/94	DR.
Carbon tetrachloride	<b>6</b> 5.	T/E/L	1.0	5 EPA 82	EPA 8240 08/28/94	
Vinyl acetate	6.	Hg/L	1.0	15 EDA 8240	40 08/28/94	尿
Bromodichloromethane	Ģ	μg/L	1.0	5 EPA 8240	40 08/28/94	員
1,2-Dichloropropane	Ģ	1/E	1.0	5 EDA 8240	08/28/94	DR
cis-1,3-Dichloropropene	Ģ	$_{\rm II}/_{\rm Ed}$	1.0	5 EPA 8240	08/28/94	展
Trichloroethene	19.	1/Bn	1.0	5 EEPA 8240	40 08/28/94	R
Dibromochloromethane	٥.	T/Br	1-0	5 EPA 8240	08/28/94	됬
1,1,2-Trichlorcethane	Ģ	1/BM	1.0	5 EPA 8240	40 D8/28/94	ER.
Benzene	ç	T/E	1.0	5 EPA 8240	40 08/28/94	DR.
trans-1,3-Dichloropropene	Ģ	T/Br	1.0	5 EPA 8240	40 08/28/94	R
Bronoform	۵,	T/En	1.0	5 KEPA 8240	08/28/94	見
4-Methyl-2-pentanone	₹25.	T/Bri	1.0	15 EPA 82	15 EPA 8240 08/28/94	Z

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amountaind with '<' values.

LJO/krigcas/dar/gbp(dw)/jfg/kwh

## COAST-TO-COAST ANALYTICAL SERVICES, INC.

(207) 874-2400 Fax (207) 775-4029

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(20T) 874-2400 Fax (20T) 775-4029

Lab Number : WK-1172-8
Report Date: 09/01/94
PO No.: | MSR-94-01 -NO
Project : 09115.00

CLIENT: GARRY VAN HEEST

AND ENVIRONMENTAL SERVICES

110 PREE STREET, F.O. BOX 7050 DIS
PCHILAD, MS 04112

REPORT OF ANALYTICAL RESULTS

Page 26 of 26

SAMPLE DESCRIPTION	MAT	MATERIX		SAMPLED BY	УВ	SAMPLED DATE RECEIVED	PATE	RECEIVED
MY-4	řqu	snoanby		CITIENI		08/24/94		08/26/94
PARAMSTER	RESULT UNITS	UNITES	DF	*PQL	CONTIGM	ANJALY ZED	87	NOTES
2-Havanone	£.	πd/Γ	1.0	15	EPA 8240	08/28/94	됬	
Throughlomathene	10.	1/54	1.0	un	EPA 8240	08/28/94	딞	
1.1.2.2-Tetrachloroethane	Ġ.	1/Br	1.0	ın	EPA 8240	08/28/94	R	
That is the second of the seco	Ġ.	10 /L	1.0	10	EPA 8240	08/28/94	爿	
Chlorobenzene	\$5	1/2/	1.0	ın	EPA 8240	08/28/94	B	
Et hv han sens	Ġ.	T/Bil	1.0	ín.	EPA 8240	08/28/94	呂	
STYTERNA	<u></u>	五/正	1.0	ın	EPA 8240	08/28/94	見	
Total Xvlenes	Ģ	T/BM	1.0	(m	EPA 8240	8240 08/28/94	묫	
Wethyl reythicklether	₹0.	1/Pm	1.0	10	EPA 8240	08/28/94	R	
1.2-Dichloroethane (% Recovery)	104.	₩.	1.0		EPA 8240	08/28/94	R	
Tollyene-de (* Recovery)	<b>%</b>	-	1.0		EPA 8240	08/28/94	DR	
p-Bromofluorobenzene (* Recovery)	100.	æ	1.0		EPA 8240	8240 08/28/94	DR.	

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amotated with '<' values.

09/01/94

LTO/Afgcas/dar/gbp(dw)/jfg/kwh

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC. Laura J. O'Meara Supervisor, Client Services Jamas Jempera

INVOICE: With Report

\_BBP/JBB/WEST.GBP(dw)/WEST.JBB(dw)
08-30 Please contact CCAS promptly if you have any questions.

TOTAL

ORDER AMOUNT \$1,428.00 This is NOT an Invoice

ORDER NOTE: BROAD ST PARKADE/QCI

¥ ()

by USEPA METHOD EPA 8240 239.2/7421 2 2 2 2

N DETERMINATION
TCL Volatile Organics + MTBE
Lead, Total
Elements Sample Preparation DETERMINATION
TCL Volatile Organics + MTBE by USEPA TOTALS LOG NUMBER SAMPLE DESCRIPTION WK1172-7 MW-2
WK1172-8 MW-4 SAMPLED DATE/TIME RECEIVED 24 AUG 1712 26 AUG 24 AUG 1804 METHOD EPA 8240 175.00 189.00 PRICE 175.00 14.00 0.00 1050:00 350.00 28.00 0.00 MATRIX 378.00

TEM LOG NUMBER SAMPLE DESCRIPTION

1 WK1172-1 FW-1

WK1172-2 FW-1

WK1172-3 MEMW-07

WK1172-4 MEMW-08

WK1172-5 MEMW-08

WK1172-5 MEMW-08

WK1172-6 MEMW-08 SAMPLED BY: CLIENT DELIVERED BY: FED EX SAMPLED DATE/TIME RECEIVED
24 AUG 1456 26 AUG
24 AUG 1735
24 AUG 1750
24 AUG 1830
24 AUG 1840
24 AUG 1840
24 AUG 1840 6 VIV DISPOSE: AFTER 25 SEP MATRIX

REPORT TO: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES 110 FREE STREET, P.O. BOX 7050 DTS FORTLAND, ME 04112 LISA OLIVERI
ABB ENVIRONMENTAL SERVICES, INC
110 FREE STREET, P.O. BOX 7050 DTS
PORTLAND, ME 04112 PROJECT: 09115.00 PHONE: 207/775-5400 PO: MSA-94-01 -MO

NVOICE:

Project Manager: Jon B. Boutet
ORDER DATE: 08/26/94
PHONE: 201/775-5491
PAX: 207/772-4762
DUE: 02 SEP

TRDER NO WK-1172

PACE INCORPORATED
New England-ME Laboratory (207) 874-2400
CONFIRMATION

Page 1

PROJECT NO.		NECT N		_					ationo		8	AMPLE	TYPE						
MPLERS (SK	D B	4.0			Kend		NO.	136											ICATE
Clau P.	full	-//			l Ste	upsei	OF CON TAINE	WOC/MTR.	A							- 1		SOLV	YATERVAIR NT/SLUDGE
STA. NO.	DATE	TIME	COMP	GRAB		STATION LOCATION	TAKE.	200%	3			2							
2 Sf	8/4/94	1656		¥	Min	-3	2	Х									Gr	wel.	ali
3 <i>9</i> P	8/24/94	HIZ		У	Mu	/ = Z	4	X	X										
35P	8/24/41	1735		χ-	M	w-1	2	- X											
BSP	8/zyky	1750		х	MBA	IW-07	2						_						
BSP	8/24/20	1804		X	ML	V-Ú	L	X	У										
BSP	8124/44	1830		X	MB.	MW-08	6	X									$\perp$		
BSP	8/4/64	1840		1	MB	uw - 05	7	. X				Viel	1		0.0				
BSP	8/24/av	1855		X	MB	MW-06	2	1									4	_>	
									L			_	-	-			-		
			_	_				_	L	1	4	-	+	-		Ш	-	_	
	-		_	_	F		_ _	_	-	$\vdash$	4	+	-	-		-	+	_	
		-	-	-			_	+	-	-	+	+	╁	-	-	+	+		-
		-	-	-	-			-	H	$\vdash$	+	+	╁	-		-			-
	-		-	-			-		H		+	+	╁	-		$\vdash$			
RELINCUISHE				ATE	TIME	RECEIVED BY: (SIGNATUR	REI PIELH	NOUISH	ED BY	(SKGIN	ATURE	a   1	DATE	TIME	F	ECEIVE	ED BY: (6	KHATU	RE)
REUNOUISH	ED BY: (SKS)	WTURE)	-	ZY 4	TIME	RECEIVED BY: (SIGNATUR	RELI	HEIUDH	ED BY	; (9IGN	ATUR		DATE			ECEIVI	D BY: (S	KNATU	3E)
RELINOUISHE	ED BY: (SX34	MYURE)	1	DATE	TIME	RECEIVED FOR DISPOSA (SIGNATURE)	IL BY: D	ATE/TIA	E	REMA	uriks.					-	erior	-0	



897 Bridgeport Avenue 900 Shelton Plaza Shelton, CT 05484

Tel: (203) 925-1133 Fax: (203) 925-1140

August 29, 1994

Mr. Garry Van Heest ABB Environmental Services 34 Industrial Park Place Middletown, CT 06457

RE: Analysis of I water sample collected 8/27/94 PROJECT: Manley Berensen CET #:94-2388

Pb, total

ND<0.10 ppm

In addition, the sample was analyzed by flame ionization, capillary column gas chromatography for fingerprint identification. No fingerprint (gasoline, kerosene or fuel oils) was observed in the sample. The detection limit is approximately 5 ppm.

The sample was also analyzed as per EPA method 8240 and MTBE. The results are on the following pages in ppb.

Please call us if you have any questions.

David Ditta Laboratory Director

CONNECTICUT LABORATORY CERTIFICATION PH 0116

### EPA METHOD 8240 VOLATILE ORGANICS BY GC/MS

CLIENT: ABB Environmental PROJECT #: Manley Berensen CET #: 94-2388

MATRIX: water UNITS: ppb

1.0	ETHYL BENZENE ND	ETHYL	
1.0	trans-1 3-DICHTOROPROPYLENE ND	† († † † † † † † † † † † † † † † † † †	
1.0	CIS-1 3-DICHIOROPROPYLENE ND	2 6 1	
1.0	1.2-DICHLOROPROPANE ND	1.2-11	
4 !!	trans-1,2-DICHLOROETHYLENE ND	trans-	
1 0	1,1-DICHLOROSTHYLENE	1,1-DI	
1 0	1,2-DICHLOROETHANE . ND	1,2-01	-
1 0	1,1-DICHLOROETHANE	1,1-01	
1.0	DICHLORODIFLUOROMETHANE	DICHLO	
10	1,4-DICHLORO-2-BUTANE	1,4-DIC	
5 0	DIBROMOMETHANE	DIBROMO	
5.0	1,2-DIBROMOETHANE	. 1,2-DIE	
1.0	OROPROPANE	1,2-011	
5.0		CHLOROFORM	
1.0	PAK.	CHLOROMETHANK	
10	A T-53 P Ft B B B B B B B B B B B B B B B B B B	2-CHLOROFINIA	
10	STATES NO	CHICAGE	
10	PHANE	CHLOROFTHANE	
	CHLORODIBROMOMETRANE	CHLOROD	
<b>3</b> 1		CHLOROBENZENE	
1.0	CARBON TETRACELORIDE	CARBON	
1.0		CARBON	
5.0		2-BUTANONE	
25		BROMOMETHANE	
10		BROMOFORM	
5.0	BROMODICHLOROMETHANE	BROMODIO	
1.0		BENZENE	
1.0		ACRYLONITRIES	
25		ACKOLLIN	
25	CN	1001011	
50	CIN	PORTONE	
LIMIT	X−XW		
DETECTION			

CLIENT: ABB Environmental PROJECT #: Manley Berensen CET #: 94-2388 VINYL CHLORIDE VINYL ACETATE TRICHLOROFLUOROMETHANE IODOMETHANE ETHYL METHACRYLATE 1,2,3-TRICHLOROPROPANE TRICHLOROETHYLENE 1,1,1-TRICHLOROETHANE 1,1,2,2-TETRACHLOROETHANE 1,1,1,2-TETRACHLOROETHANE METHYL METHACRYLATE METHYLENE CHLORIDE 2-HEXANONE XYLENES 1,1,2-TRICHLOROETHANE TOLUENE TETRACHLOROETHYLENE STYRENE 4-METHYL-2-PENTANONE MATRIX: water UNITS: ppb

1.0

1.0

1.0

10 5.0 1.0 EPA METHOD 8240 VOLATILE ORGANICS BY GC/MS

100			(3)			5,400	\
.hasing Use Only Date Received;		ABB Envir	onmental Services, Inc.			- 184	/
Purchase Order No:	PUR	CHAS	E REQUISITIOI	R	EQ#: 4	6730	
P.O. Type: A B S	Specify only it	ems of the same	general description and class usually procured fro the same vendor.	om		PURCHASING	
Vendor #;	Cal/Part No.		Description	Oly.	Unit of Meas.	Estimated :	Unit Price
Confirming to:		Analyz	. I ground water	-			5,757
Terms: S/8 N3O PWP Other		Sample	and hand-delivered			10000010-00 1000001	(1000 D)
Ship To:			tunda g-27-04)				<u>ٵ</u> ٳۊ۬ڮٷؠ
TN NJ VA MA Our Pick Up 110 Free SU		Anal	pe for:	in w			
Other_		EPA M	rethod 824s	-1-	Dople	200000	343 40
Stip Vie. BW		Total	Lead	-	Sopl	lessalss	1600
US FE CONTROL OF CONTR		Pet:	10		Single		101 a
Taxable Yes No						100	200
Exempt #							2000
FOB:		*	4				6 30 lp.
A.R. No.:				Total E	st. Cost		136010
(Mandalory) Due Date:	Requestratily: Nama Loc Employee #:	O M	Suggested Vendor/Vendor Number Canaly Environmental Restin		70.00-27	les Tax	381 4
Contract No.:	Ext. Head by Duter reduct at Park		Shilton CAT CXEYEY	0	1100400	No. (Mandator)	()
DPAS Rating:	Fron: He ASAF Assepted	14 9-1-94	Point of Contact: David Diffs Telephone No. 20 925-113	] <	Accou	nt No. (Mandato	"n) □.□
Approved By: (Mandatory)		140	Project Title, Office Location, Department Name and/or CTO & (N. Mancasta Site B - Manc	. 1			

10 2.0

1.0

### APPENDIX C

# LABORATORY ANALYTICAL REPORTS-GROUNDWATER



September 1, 1994

ABB Environmental Services, Inc. 34 Industrial Park Place Middletown, CT 06457 Mr Garry Van Heest

WORK ORDER NUMBER: WK1172 Dear Mr. Van Heest:

Please find enclosed the Report of Analysis (ROA) for the samples received by the laboratory on August 26, 1994. This cover letter is an integral part of the ROA.

Effective August 3, our laboratory completed its consolidation with PACE Laboratories and ETC Laboratories. Our new company is called PACE, Inc., and you will see this reflected on our new letterhead. In the interim, until such time as all our systems are changed, reports of analysis along with other supporting documentation will show Coast-to-Coast.

Your patience during this transition is appreciated. If you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact me. We appreciate your continued use of our laboratory and look forward to working with you in the future. All other aspects of our local operation will ternain the same. Additionally, we will now be able to offer you a broader range of analytical services through this PACE National System. We will be in contact with you shortly to provide more information on what the new company can offer.

Sincerely,

PACE, INC.

Lame J. Compuss

(6) Jon B. Boutet Project Manager

c M. McCloskey, ABB-NJ

JBB/dmt

360 County Read #5 Westberod, ME 04092 TEL: 287-874-3400 FAX: 207-775-4025

An Equal Opportunity Employer



CLIZXI: GARRY VAN HERST HAB ENVIADAMENTAL SERVICES 110 REEZ HERSET, P.O. ECX 7050 DIS ECRITAD, ME 04112

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbycook, ME 04098

(207) 874-2400 Pax (207) 775-4029

Lab Mamber: WK-1172-1
Report Date: 09/01/94
PO No. : MSA-94-01 -ND
Project : 09115.00

RELOCT OF NOLLYTICAL RESULTS

Page 1 of 26

SWPIE DESCRIPTION	NG.	MUNITA		AB CETIONS	BY.	CETTEMES	BURG	CEATED FREE CETAINTS
M94-3	Agr	Agueous		TARTE		08/24/94		08/26/94
PERISHANG	RESULT LIMITS	Stene	Da.	*201	COBERN	ANALYZED	Ħ	NOTES
NCL. Volatile Organics + MIRE by USERA 8240		:						1,2,3
Chloromethane	<10.	1/Ed	1.0	10	EPA 8240	08/27/94	易	
Bromomethane	<10.	1/Pri	1.0	5	EDA 6240	08/27/94	B	
Vinyl chloride	<10.	1/Er	1.0	10			13	
Chloroethane	<10.	1/54	1.0	5	EPA 8240		g	
Methylene chloride	TBL	1/B/	4.0	10	EPA 8240	08/27/94	B	
Acetone	JB3	ii/F	1.0	15	EPA 8240	08/27/94	B	
Carbon disulfide	<10.	1/54	1.0	10	EPA 8240	08/27/94	H	
1,1-Dichloroethene	ç.	1/BH	1.0	vs.			另	
1,1-Dichloroethane	Ġ	17/24	1.0	cn	EFA 8240		Ø	
Total 1, 2-Dichloroethene	٨	7/1	1.0	Ľ1	EPA 8240		18	
Chloroform	Ģ	T/EH	1.0	us.	EDA 8240		됬	
1,2-Dichloroethane	Ģ,	11/54	1.0	Ů1	EFA 0240		8	

<sup>\*</sup> RGC (Practical Quantitation Lovel) represents laboratory reporting limits and may not reflect sampleappenific reporting limits. Sample-specific limits are indicated by results amounted with '<' values.

(1) "N" flag denotes on estimated value less than the Laboratory's Fractical Quantitation Level.

(2) "N" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently
with the sample.

(3) The method blank contained Mathylane Chloride and Acetons at J1 and J4 ug/L respectively.

09/01/94

LJD/kfgear/gbp(dw)/jfg/kati



Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

CLIENT: CARRY VAN HEEST

AEB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS
PORTIAND, ME 04112

Iab Number : WK-1172-1 (207) 874-2400 Fax (207) 775-4029

Report Date: PO No. : Project : ate: 09/01/94 : MSA-94-01 -MD : 09115.00

REPORT OF ANALYTICAL RESULTS

Page 2 of 26

SAMPLE DESCRIPTION.	XISIDAM	×	SAMPLED BY	K	SAMPLED DATE RECEIVED	E	RECEIVED
MA-3	Адизоня	US	CLIENT		08/24/94 08/26/94	_	18/26/94
PARAMARITAR	RESULT UNITS DE	I SLIN		METERO	*PQL METHOD ANALYZED BY	ΣŒ	NOTES
2-Butanone	<15. · · /a	μ <u>σ</u> /τ 1.0		EPA 8240	15 EPA 8240 08/27/94	뒩	
1,1,1-Trichloppethane	G.	Mg/L 1.	0	EPA 8240	EPA 8240 08/27/94	爿	
Carbon tetrachloride	cs. #	_	(ri	EPA 8240	EPA 8240 08/27/94	Ħ	
Vinv1 acetate	<15. µ	0.1 T/B		EPA 8240	15 EPA 8240 08/27/94 DR	됬	

Dibramochloromethane Trichloroethene 4-Methyl-2-pentanone trans-1,3-Dichloropropene 1,1,2-Trichloroethane £44444444 11.00 5 EPA 8240 08/27/94 UR

Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene

09/01/94

LJO/kdgear/gbp(dw)/jfg/kwh

09/01/94

LJD/kfgear/gbp(dw)/jfg/kwb

### COAST-TO-COAST ANALYTICAL SERVICES, INC.

IN ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Iab Number: WK-1172-1
Report Date: 09/01/94
PO No. : WSA-94-01 -YD
Project : 09115.00

CLIENT: GARRY VAN HEEST ARB ENVIRANDRUM SERVICES 110 FRES STREET, P.O. BOK 7050 DIS PORTLAND, ME 04112

REPORT OF ANALYTICAL RESULTS

Page 3 of 26

SAMPLE DESCRIPTION	MATRIX	Ę		SAMPLED BY	AB.	SAMPLED DATE RECEIVED	H	CEVIEDES
MA-3	Aqu	Aqueous		CITEMI		08/24/94	1 1	08/26/94
PARAMETER	RESULT UNITS	SLIND	DF	*FQL	METTHOD	AR CEZATUMY	뛵	NOTES
2-Hexanone	<15.	77/EM	1.0	F.	EPA 8240	08/27/94	멅	
Tetrachloroethene	<b>65</b> .	1/54	1.0	(ri	EPA 8240	08/27/94	뒩	
1,1,2,2-Tetrachloroethane	Ġ.	1/E	1.0	vi	EPA 8240	08/27/94	뮸	
Toluene	<u>۲</u> ,	1/Ed	1.0	s	EPA 8240	08/27/94	R	
Chlorobenzene	<b>G</b>	1/5	1.0	(J	EPA 8240	08/27/94	뒩	
Ethylbenzene	Ç,	μg/L	1,0	£5	EDA 8240	08/27/94	됬	
Styrene	65.	T/BH	1.0	Ьī	EPA 8240	08/27/94	됬	
Total Xylenes	<b>5</b>	T/Ed	1.0	Ln.	EPA 8240	08/27/94	뒩	
Methyltertbutyl ether	<10.	1/B4	٢,٥	10	EPA 8240	08/27/94	易	
1,2-Dichloroethane (* Recovery)	LOJ.	er?	1.0		EPA 8240	08/27/94	몼	
Toluene-d8 (% Recovery)	97.	ď	1.0		EPA 8240	08/27/94	另	
p-Branofluorobenzene (* Recovery)	101.	47 (1)	1.0		EPA 8240	EPA 8240 08/27/94	景	

PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with '<' values.</li>

RMI (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ARB ENVIRONSHITH SERVICES 110 FERES STREET, P.O. DOX 7050 DIS PORTLAND, ME 04112

Lab Number : WK-1172-2
Report Date: 09/01/94
PO No. : MSA-94-01 -|
Project : 09115.00

: MSA-94-01 -MO : 09115.00

	REPORT OF AMPLYTICAL RESULTS	RESULTS	Page 4 of 26
NOTIFICATION STANGE	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
94-1	Адивоиз	CLIENT	08/24/94 08/26/94
ARAMETER	RESULT UNITS	AR CEZATION TO BE SHOWN TO BE SHIND THE BA	SELON AR CEZATUME
CL Volatile Organics + MIRE by USEPA	USEPA		1,2,3

TCL Volatile Organics + MTRE by USERA 8240 Chloromethane Bronomethane Vinyl chlorids Chloroethane	16666	7,54 7,54 7,54 7,54		EPA 8240 EPA 8240 EPA 8240	
Chloromethane	<10.	I/Bil		EPA 8240	2
Bronomethane	<10.	I/Erl		B240	Ħ
Vinyl chloride	-01>			8240	딝
Chloroethane	<10.			8240	Ħ
Methylene chloride	TEC			10 EPA 8240 08/27/94	뒤
Acetone	JB2			15 EPA 8240 08/27/94	H
Carbon disulfide	<10.			10 EPA 8240 08/27/94	R
1,1-Dichloroethene	ŗ.			5 EPA 8240 08/27/94	DR.
1, 1-Dichloroethane	<u>د</u>			5 EPA 8240 08/27/94	B
Total 1,2-Dichloroethene	Ģ			5 EPA 8240 08/27/94	묽
Chloroform	G		1.0	5 EPA 8240 08/27/94	DR.
1 Joseph Langer Band	'n			5 EDA 8240 08/27/94	Ħ

<sup>\*</sup> PQL (Practical Quantitation Leval) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amortated with '<' values.

(1) 'Q'' fing denotes an estimated value less than the laboratory's Practical Quantitation Level.

(2) 'B'' fing denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.

(3) The method blank contained Wethylene Chloride and Acetone at J1 and J4 ug/L respectively.

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwh

THE DESCRIPTION OF CAMPACHES AND A SEC.

### COAST-TO-COAST ANALYTICAL SERVICES, INC.

ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Report Date: 09/01/94 PO No. : MSA-94-01 -MD Project : 09115.00 Lab Number : WK-1172-2

ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS
PORTLAND, ME 04112

CLIENT: GARRY VAN HEEST

REPORT OF AWALYTICAL RESULTS

MATRIX

SAMPLED BY

CHALLECORY RINGS CETAMAS

SAMPLE DESCRIPTION

Page 5 of 26

							۱	
NGV-1	Agu	Aqueous		CLUENT		08/24/94		08/26/94
PARAMETER	RESULT	SILM	뭐	*PQL	METHOD	ANDLYZED BY	똱	NOTES
2-Butanone	£5.	1/Ed	L.o	15	EPA 8240	09/27/94	DR	
1,1,1-Trichloroethane	<b>6</b>	1/B	1.0	(m	EPA 8240	08/27/94	呂	
Carbon tetrachloride	<b>6</b>	1/54	1.0	U)	EPA 8240	08/27/94	爿	
Vinvl acetate	45.	1/B#	1.0	15	EPA 8240	08/27/94	믔	
Bronodichlozonethane	Ġ	1/BM	1.0	ιπ	EPA 8240	08/27/94	R	
1,2-Dichloropropane	Ġ.	1/54	1,0	ın	EPA 8240	08/27/94	봈	
cis-1,3-Dichloropropens	Ġ	1/07	1.0	tın	EPA 8240	08/27/94	됬	
Trichloroethens	Ġ	1/E	1.0	(n	EPA 8240	08/27/94	H	
Dibromochloromethane	¢5.	T/Br	1.0	ın	EPA 8240	08/27/94	뒩	
1,1,2-Trichlorcethane	Ġ.	1/5r/	1.0	40	EPA 8240	08/27/94	Ħ	
Berzene	<b>\$</b>	14/E	1.0	40	EPA 8240	08/27/94	됬	
trans-1,3-Dichloropropene	G	H/E	1.0		EPA 8240	08/27/94	爿	
Bronoform	<b>5</b> .	FG/F	1.0	(n	EPA 8240	08/27/94	뒩	
4-Methyl-2-pentancre	<15,	T/EH	1.0	15	EPA	8240 08/27/94	昂	

RGI (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific limits are indicated by results annotated with '<' values.</li>

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwh



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOK 7050 DIS
PORTLAND, WE 04112

1 - N PARAMETER

RESULT Aqueous STINI

멅

ġ

METHOD

ANALYZEO

BY

NOTES

15 EPA 8240 08/27/94
5 EPA 8240 08/27/94
5 EPA 8240 08/27/94
5 EPA 8240 08/27/94

CHA! SAMPLED BY

SAMPLED DATE RECEIVED 08/24/94 08/26/94

Page 6 of 26

SAMPLE DESCRIPTION

Report Date: PO No. : Lab Mumber : : WK-1172-2 : 09/01/94 : MSA-94-01 -MO

CLIENT: GARRY VAN HEEST

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

COAST-TO-COAST ANALYTICAL SERVICES, INC.

ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS

Report Date: 09/01/94
PO No. : MSA-94-01 -MD
Project : 09115.00 Lab Number: WK-1172-3

PORTLAND, ME 04112

Project

REPORT OF ANALYTICAL RESULTS

: 09115.00

SAMPLE DESCRIPTION PARAMETER MEMW-07 REPORT OF AMALYTICAL RESULTS RESULT stroen by MATRIX SILIN 멎 CLIENT CHICAMPIS ŧg. SET DE **DEZATIMA** SAMPLED DATE RECEIVED 08/24/94 Page 7 of 26 ΥB 08/26/94 SELON

1,1-Dichloroethane Total 1,2-Dichloroethene Vinyl chloride Chloroethane TCL Volatile Organics + MINE by USERA 1,2-Dichloroethane Carbon disulfide Chloronethane 1,1-Dichloroethene Methylene chloride Brononethane 44444444 10 EEA 8240 08/27/54
11 EEA 8240 08/27/54
11 EEA 8240 08/27/54
11 EEA 8240 08/27/54
15 EEA 8240 08/27/54
5 EEA 8240 08/27/54
5 EEA 8240 08/27/54
5 EEA 8240 08/27/54
5 EEA 8240 08/27/54 1,2,3

Styrene Total Xylenes

Methyltertbutyl ether

Ethylbenzene

8.8 2 2 2 2 2 2 2 2 2 2 2 2

5 EPA 8240 08/27/94 5 EPA 8240 08/27/94 5 EPA 8240 08/27/94 5 EPA 8240 08/27/94 10 EPA 8240 08/27/94 EPA 8240 08/27/94

EPA 8240 08/27/94

Tetrachloroethene 2-Нехапове

1,1,2,2-Tetrachloroethane

p-Bromofluorobenzene (% Recovery) 1,2-Dichloroethane (\* Recovery)
Toluene-dB (\* Recovery)

• EQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.</p>

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwh

LJO/kfgear/gbp(dw)/jfg/kwb

09/01/94

Camarillo, CA . San Jose, CA . Valnamico

<sup>\*</sup> RGL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect samplespecific reporting limits. Sample-specific limits are indicated by results amounted with 'c' values,
(1) """ flag denotes an estimated value less than the Laboratory's practical Quantitation lovel.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently

with the sample. (3) The method blank contained Methylene Chloride at J1 ug/L.



IN ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1172-3
Report Date: 09/01/94
PO No. : WEA-94-01 -WD
Project : 09115.00

CLIENT: GARRY VAN HEEST AND ENVIRCAMENTAL SERVICES 110 PAGE STREET, P.O. BOX 7050 DIS PORTLAND, ME 04112

REFORT OF ANALYTICAL RESULTS

MATRIX

SAMPLED BY

SAMPLED DATE RECEIVED

Page 8 of 26

SAMPLE DESCRIPTION	MATRIX	RLX		SAMPLED BY	RX	State versen	Ē	B. F. LVE
MEMM-07	Agu	Aqueous		CLIENT		08/24/94 08/26/94	4	18/26/94
PARAMETER	RESULT UNITS DE	STIND	DE	*PQL	COSTEM	AB CEZATIVNY CONIEM TÔGA	恩	NOTES
2-Butancie	Ģ	μg/L 1.0	1.0	15	EPA 8240	15 EDA 8240 08/27/94 DR	R	

4-Methyl-2-pentanone	Branoform	trans-1,3-Dichloropropene	Benzene	1,1,2-Trichloroethane	Dibromochloromethane	Trichloroethere	cis-1,3-Dichloropropene	1,2-Dichloropropana	Bromodichloromethane	Vinyl acetate	Carbon tetrachloride	1,1,1-Trichloroethane	2-Butanone
						3							
<u>.</u>	Ģ	Ģ	Ģ	ķ	Ģ	16.	Ģ	Çı	Ġ	25.	Ģ	Ģ	Ģ
1/E#	T/EM	1/54	1/54 1	77/12	1/PH	μg/L	1/E4	1/EH	1/54	1/B/	μg/L	T/EH	1/54
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
15 EPA 8240 08/27/94	5 EPA 8240 08/27/94	5 EPA 8240 08/27/94	5 EPA 8240 08/27/94	5 EPA 8240 08/27/94	5 EPA 8240 08/27/94	08/27/94	8240 08/27/94	8240 08/27/94	B240 08/27/94	-	08/27/94	5 EDA 8240 08/27/94	100
Ħ	LIR.	뒩	H	B	K	R	둱	R	H	R	H	DE.	B

PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.</li>

09/01/94

LJO/kdgear/gbp(dw)/jfg/kokh

## COAST-TO-COAST ANALYTICAL SERVICES, INC.

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1172-3
Report Date: 09/01/94
PO No. : MEX-94-01 -WO
Project : 09115.00

CLIENT: GRAPY VAN HEEST ABE ENVIRGNEGITH SERVICES 11.0 FREE STEERT, P.O. FOK 7050 DIS PORTLAND, ME 04112

REPORT OF ANALYTICAL RESULTS

Page 9 of 26

SAMPLE DESCRIPTION	THEN	MATRIX		AB CETAWES	*	SAMPLED DATE RECEIVED	E P	RECEIVED
MEMM-07	ntong	snoanby		CLIENT		08/24/94		08/26/94
PARAMETER	RESULT	CNITIS	þ	t TÖE+	CONTEN	ANALYZED	胃	NOTES
2-Hexanore	<15.	T/E	٢,	15 I	EPA 8240	08/27/94	¥	
TetrachLoroethene	ม	7/54	1.0	55	EPA 8240	08/27/94	뒩	
1,1,2,2-Tetrachloroethune	G.	1/5n	1.0	r. H	EPA 8240	08/27/94	景	
Toluene	ç,	1/B/	1.0	r.	EPA 8240	08/27/94	뒩	
Chlorobenzene	Ģ.	1/BH	1-0	US E	EPA 8240	08/27/94	뒩	
Ethylbenzene	<b>5</b> .	1/E	1.0	Ci M	EPA 8240	08/27/94	爿	
Styrene	<b>6</b> 5.	$_{\rm II}/_{\rm EH}$	1.0	υ υ	EPA 8240	08/27/94	爿	
Total Xylenes	¢\$,	17/E	1.0	UI	EPA 8240	08/27/94	뒩	
Methyltertbutyl other	<10.	7/1	1.0	10 1	EPA 8240	08/27/94	爿	
1,2-Dichloroethane (* Recovery)	103.	**	1,0	ы	EPA 8240	08/27/94	爿	
Toluens-ds. (* Recovery)	96.	4/4	1.0	ht	EPA 8240	08/27/94	B	
p-Bronofluorobenzene (* Recovery)	97.	eff.	1.0	н	TPA 8240	ETPA 8240 08/27/94	뒩	

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amnotated with '<' values.

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwh



IN ANALYSIS

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GAZRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DTS
PORTLAND, WE 04112

> Report Date: 09/01/94
> PO No. : MSA-94-01 -MO
> Project : 09115.00 Lab Number : WK-1172-4

REPORT OF ANALYTICAL RESULTS

Page 10 of 26

SAMPLE DESCRIPTION	MAI	MATRIX		SAMPLED BY	AA	SAMPLED DATE RECEIVED	A	RECEIVED
MEMW-08	Agu	Адиесния		CLIENT		08/24/94		08/26/94
PARAMETER	RESULT ONITS	DNIIS	D.	*PQL	METHOD	ANDLYZED BY	器	NOTES
TC. Volatile Organics + MIRE by USEPA								1,2,3
8240	;	ì	•			מיל דבי מי	3	
Contonectorie	5		- i	10		EPA 8240 08/27/94	물!	
Vinvl chloride	<10.	1/E#	1.0	10	EPA 8240	8240 08/27/94	뒩	
Chloroethane	- OTO-	1/E	1.0	10	EPA 8240	08/27/94	月	
Methylene chloride	超	Hg/F	1.0	10	EPA 8240	08/27/94	묽	
Acetone	JBS	1/E/	1.0	15	EPA 8240	08/27/94	爿	
Carbon disulfide	<u>4</u> 0.	1/E	1.0	11	EPA 8240	08/27/94	呂	
1,1-Dichloroethene	Ģ	HE/L	1.0	(R	EPA 8240	08/27/94	Ħ	
1,1-Dichloroethane	ţ,	F F	1.0	in	EPA 8240	08/27/94	뒩	
Total 1,2-Dichloroethene	Ġ	四个	1.0	ín.	EPA 8240	08/27/94	둿	
Chloroform	Ļn	HI/L	1.0	(D	EPA 8240	8240 08/27/94	R	
1,2-Dichloroethane	<b>G</b>	μg/L	1.0	ın	EPA 8240	EPA 8240 08/27/94	P	

<sup>\*</sup> PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect samplespecific reporting limits. Sample-specific limits are indicated by results arrotated with '<' values,
(1) "V" flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
(2) "B" flag denotes detection of this analyce in the laboratory method blank analyzed concurrently

09/01/94

LJD/)cfgear/gbp(dw)/jfg/kwh

## COAST-TO-COAST ANALYTICAL SERVICES, INC.

IN ANALYSIS

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DIS
PORTLAND, ME 04112

Lab Number: WK-1172-4
Report Date: 09/01/94
PO No. : WEA-94-01 -MD
Project : 09115.00

REPORT OF ANALYTICAL RESULTS

MATRIX

AR CETTAWES

SAMPLED DATE RECEIVED

Page 11 of 26

SAMPLE DESCRIPTION

MBMM-08	ಸಿದ್ದಾರ	<b>Ericenta</b>		CLUENT		08/24/9	Ā	08/24/94 08/26/94
PARAMETER	RESULT	SITNU	맭	*PQL	COETEM	AR CEZATUM	띉	NOTES
2-Butanone	<15.	π/Σri	1.0	15	EDA 8240 08/27/94	08/27/94	뛽	
1,1,1-Trichloroethane	Ġ,	1/54	1.0	сī	EPA 8240	8240 08/27/94	ğ	
Carbon tetrachloride	Çī.	1/E	1.0	ıs	EPA 8240	08/27/94	봈	
Vinyl acetate	<15.	HI/L	1.0	15	EPA 8240	08/27/94	爿	
Bromodichloromethane	Ģ	1/10/1	1.0	מט	EPA 8240	08/27/94	됬	
1,2-Dichloropropane	<b>\$</b> 5.	1/E	1.0	us	型A 8240	08/27/94	뒩	
cis-1,3-Dichloropropene	6.	1/5d	1.0	5	EPA 8240	08/27/94	DR	
Trichloroethene	ដ	1/5r	1.0	и	EPA 8240	08/27/94	DR	
Dibromochloromethane	Ġ.	T/EH	1.0	U	EPA 8240	08/27/94	묫	
1,1,2-Trichlorpethane	6	7/54	1.0	ы	EPA 8240	08/27/94	묽	
Benzene	Ģ	1/5H	1.0	ίπ	EPA 8240	08/27/94	DR.	
trang-1,3-Dichloropropene	Ġ	T/BH	1.0	υı	EPA 8240	08/27/94	뒩	
Brownform	Ġ.	1/E	1.0	vı	EPA 8240	08/27/94	R	
4-Methyl-2-pentanone	<15.	1/E4	1.0	15	EPA 8240 08/27/94	08/27/94	爿	

<sup>\*</sup> PCL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with '<' values.

09/01/94

LJD/kdgear/gbp(dw)/jfg/kwh

:

!

with the sample.

(3) The method blank contained Methylene Chloride and Roetone at J1 and J4 ug/L respectively.



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST
ALD ENVIRONMENTAL SERVICES
11.0 FREE STEER, P.O. HOX 7050 DIS
PORTLAND, ME 04112

Lab Number: WK-1172-5
Report Date: 09/01/94
PO No. : MSA-94-01 -MD
Project : 09115.00

REPORT OF ANALYTICAL RESULTS

Page 14 of 26

SAMPLE DESCRIPTION	MIRIX	Ħ		AB CETAWES	ВУ	SAMPLED DATE RECEIVED	H	CENTEDER
MBMM-05	Aqueous	OTE		CLIENT		08/24/94 08/26/94		38/26/94
PARAMETER	RESULT UNITS DF	SETAD	ΩF	TD4+	CONTENT TORY	AMALYZED BY	BZ	NOTES
2-Butanone	<15.	1/EH	1.0	ti.	EPA 824	15 EPA 8240 08/27/94 DR	×	
1,1,1-Trichloroethane	G.	T/BH	1.0	(n	EPA 824	5 EPA 8240 08/27/94 DR	됬	

trang-1,3-Dichloropropene 4-Methyl-2-pentangna 1,1,2-Trichloroethane 5 ESPA 8240 08/27/94 DR
15 ESPA 8240 08/27/94 DR
5 ESPA 8240 08/27/94 DR

1,2-Dichloropropane cis-1,3-Dichloropropene

Dibronochloromethane

Bromodichloromethane Carbon tetrachloride

\* RQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results arrotated with '<' values.

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwb



## COAST-TO-COAST ANALYTICAL SERVICES, INC.

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1172-5
Report Date: 09/01/94
PO No. : WSA-94-01 -WO
Project : 09115.00

CLIBNI: GARRY VAN HEEST AHB ENVIRONSETTH, SERVICES 110 FREE STEERT, P.O. BOX 7050 DIS PORTLAND, MG 04112

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION MEMNY-05 RESULT UNITS Agueous 뛽 CLIENT ģ BY METHOD ANALYZED SAMPLED DATE RECEIVED 08/24/94 08/26/94 Page 15 of 26 λæ NOTES

£.	T/En	1.0	15 EPA 8240 08/27/94 DR	
J4	1/E	1.0	5 EPA 8240 08/27/94 DR	
Ģ	F5/1-	1.0	5 EPA 8240 08/27/94 DR	
Ģ	7/6	1.0	5 EPA 8240 08/27/94 DR	
٠ ن	1/0/1	1.0	5 EPA 8240 08/27/94 DR	
Ç,	1/B/L	1.0	5 EPA 8240 08/27/94 DR	
Ģ	E /E	1.0	5 EPA 8240 08/27/94 DR	
Ġ.	1/6	1.0	5 EPA 8240 08/27/94 DR	
<io.< td=""><td>1/B/</td><td>1.0</td><td>10 EPA 8240 08/27/94 DR</td><td></td></io.<>	1/B/	1.0	10 EPA 8240 08/27/94 DR	
105.	æ	1.0	EPA 8240 08/27/94 DR	
94.	40	1.0	EPA 8240 08/27/94 DR	
99.	de	1.0	EEPA 8240 08/27/94 DR	
	8	415. Fig/T  43. Fig/T  45. Fig/T  47. Fig/T  48. Fig/T  48. Fig/T  48. Fig/T  48. Fig/T  49. Fig/T	17,884 17,884 17,884 17,884 17,884 17,884 17,884 17,884 17,884	Hg/L   1.0   15 EEB 8240 08/27/94   Hg/L   1.0   5 EEB 8240 08/27/94   Hg/L   1.0   EEB 8240 08/27/94

PQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with '<' values.</li>

09/01/94

LJO/kfgear/gbp(dw)/jfg/lowh

Comerillo CA . San loss CA . Valnerviro



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

CLIENT: GARRY VAN HEEST ABE ENVIRONMENTAL SERVICES 11.0 FREE STREET, P.O. BOX 7050 DTS PORTIAND, ME 04112

Lab Number: WK-1172-6
Report Date: 09/01/94
PO No. : WSA-94-01 -WO
Project : 09115.00

REPORT OF ANALYTICAL RESULTS

Page 16 of 26

SAMPLE DESCRIPTION	MAU	MATRIX		SAMPLED BY	BY	SAMPLED	DATE	SAMPLED DATE RECEIVED
MBWW-06	Ãф	Aqueous		CITEMI		08/24/94		08/26/94
PARAMETER	RESULT UNITS	STIND	DE	*PQL	MEZHOD	ANALYZED BY	뫮	NOIES
TCL Volatile Organics + MIRE by UNERA				ļ			- 8	1,2,3
Chloromethane	₹10.	7/54	1.0	10	EPA 8240	08/27/94	景	
Bronchane	<10.	1/24	1.0	TO	EPA 8240	08/27/94	爿	
Vizyl chloride	<10.	1/54	1.0	10	EPA 8240	08/27/94	봈	
Chloroethane	<10.	Hg/L	1.0	10	EPA 8240	08/27/94	Ħ	
Methylene chlorida	TBT	1/E/	1.0	10	EPA 6240	08/27/94	爿	
Acetone	<15.	T/EM	1.0	Ľ,	EPA 8240	08/27/94	H	
Carbon disulfide	<10.	1/EH	1.0	10	EPA 8240	08/27/94	DR	
1,1-Dichloroethene	Ģ	1/EH	1.0	Ln	EPA 8240	08/27/94	뒩	
1,1-Dichloroethane	6	T/BH	1.0	មា	EPA 8240	08/27/94	덣	
Total 1,2-Dichloroethene	Ģ	μg/L	1.0	Lī	EPA 8240	08/27/94	Ħ	
Chloroform	J4	I/E	1.0	L/s	EPA 8240	08/27/94	믔	
1,2-Dichloroethane	Ġ	T/5H	1.0	UI	EPA 8240	EPA 8240 08/27/94	뒩	

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwh

Carnerillo CA . San line Ca . Valentaire 10 - fault



## COAST-TO-COAST ANALYTICAL SERVICES, INC.

ANALYSIS

Northeastern Division
340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

Iab Number: WK-1172-6
Report Date: 09/01/94
PO No. : MSA-94-01 -MO
Project : 09115.00

CLIENT: GARRY VAN HEEST
AND ENVIRONMENTAL SERVICES
A10 PREE STREET, P.O. SOX 7050 DTS
PORTLAND, ME 04112

REFORT OF ANALYTICAL RESULTS

Page 17 of 26

SAMPLE DESCRIPTION	MAURICA	ğ		SAMPLED BY	×	SAMPLED DATE RECEIVED	AT I	RECEIVED
MEMM-06	Āgu	Aqueous		CTENT		08/24/94		08/26/94
Parameter	RESULT UNITS	SILIM	Dig	*PQL	MEZZHOO	ANALYZED BY	뫉	NOTES
2-Butanone	<15.	µg/⊾	1.0	15	EPA 8240	08/27/94	R	
1,1,1-Trichloroethane	Ġ.	1/B/	1.0	и	EPA 8240	08/27/94	H	
Carbon tetrachloride	Ç,	1/67	1.0	Ch	EPA 8240	08/27/94	叧	
Vinyl acetate '	<15.	T/Bd	1	15	EPA 8240	08/27/94	Ħ	
Bromodichloromethane	<u>ن</u>	1/Pr	1.0	(S	EPA 8240	08/27/94	Ħ	
1,2-Dichloropropane	Ģ	T/E	1.0	ហ	EPA 8240	08/27/94	H	
cis-1,3-Dichloropropene	Ģ	1/24	1,0	υī	EPA 8240	08/27/94	景	
Trichlorosthene	5,	HG/L	1.0	ທ	EDM 8240	08/27/94	멅	
Dibromodiloromethane	<b>&amp;</b>	$_{1}/_{\rm Ed}$	1.0	ίπ	EPA 8240	08/27/94	另	
1,1,2-Trichloroethane	G.	T/BH	1.0	(J	EPA 8240	08/27/94	뒩	
Benzene	<b>5</b> .	T/BH	1.0	и	EPA 8240	08/27/94	봈	
trans-1,3-Dichloropropene	<5.	T/BH	1.0	U)	EPA 8240	8240 08/27/94	景	
Bronofozn	<b>6</b>	1/E4	1.0	(J)	EPA 8240	08/27/94	DR	
4-Methyl-2-pentanone	<b>^15.</b>	<u>1</u>	1.0	ti	EPA 8240	EPA 8240 08/27/94	R	

<sup>\*</sup> PQU (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amnotated with '<' values.

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwh

Camarillo, CA - San Jose, CA - Valpaniso, IN - Indianapolis, IN - Westhmok, MF

<sup>\*</sup> FGE (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values, (1) 'U'' flag denotes an estimated value less than the faboratory's Practical Quantitation Level. (2) 'B'' flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.



Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

ABB ENVIRONMENTAL SERVICES
110 FREE SINCET, P.O. BOX 7050 DIS
FORTIAND, ME 04112

CLIENT: GARRY VAN HEEST

Lab Number: WK-1172-6
Report Date: 09/01/94
PO No. : MSA-94-01 -MO
Project : 09115.00

REPORT OF ANALYTICAL RESULTS

20-16日 PARAMETER SAMPLE DESCRIPTION RESULT UNITS Адиеоия XHELEK ğ CLIENT AR CELLANES \*PQL METHOD AMPLYZED BA SAMPLED DATE RECEIVED 08/24/94 08/26/94 Page 18 of 26 NOTES

Ethylbenzene Styrene Nethyltorthutyl ether 1,2-Dichloroethane († Recovery) Toluene-d8 (\* Recovery) p-Bromofluorobenzene (\* Recovery) Total Xylenes Chlorobenzene 1,1,2,2-Tetrachloroethane 15 ZEA 8240 08/27/94 DR
5 YEA 8240 08/27/94 DR
10 YEA 8240 08/27/94 DR

• RQL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amongsted with '<' values.</p>

LJO/kfgear/gbp(dw)/jfg/kwb

Canazilla. CA « San Jaxa, CA « Valnaraira. IN « Indianaralic IN « Westbook



## COAST-TO-COAST ANALYTICAL SERVICES, INC.

Northeastern Division 340 County Road, No. 5 • P.O. Box 720 • Westbrook, ME 04098

(207) 874-2400 Fax (207) 775-4029

ABB ENVIRONMENTAL SERVICES
110 FREE STREET, P.O. BOX 7050 DIS
PORTIAND, ME 04112

CLIENT: GARRY VAN HEEST

Lab Number: WK-1172-7
Report Date: 09/01/94
PO No. : WSR-94-01 -VD
Project : 09115.00

### REPORT OF AMPLITICAL RESULIS

Page 19 of 26

i <sub>e</sub>	氢	08/27/94	0.005 239.2/7421 08/27/94 KOV		1.0	1/Bu	0.105 mg/L 1.0	Lead, Total
NOTES	뮍	ANDLYZED BY	*PQL METHOD	*PQL	胃	RESULT UNITS OF	RESULT	PARAMETER
08/24/94 08/26/94	-	08/24/9		CLIENT		<b>ericeri</b> Žy	I	MM-2
RECEIVED	MIE	SAMPLED DATE RECEIVED	AB G	AB CETTEMES		MATRIX	7	SAMPLE DESCRIPTION

PCL (Practical Quantitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results annotated with '<' values.</li>
 (1) Sample Preparation on 08/26/94 by NP using 3020

09/01/94

LIO/ejngbp(dw)/kaw KH26GWI

Camerillo CA . San Insa CA . Valencies IN . Indianandie IN . Westhmak MR



EXCELLENCE Northeastern Division
IN ANALYSIS 340 County Road, No. 5 \* P.O. Box 720 \* Westbrook, ME 04098

CLIENT: GARRY VAN HEEST
ARE SKYLKOMBRYNG, BERVICES
110 FREE STREET, P.O. BOX 7050 DIS
PORTIAND, ME 04112

(207) 874-2400 Fax (207) 775-4029

Lab Number: WK-1172-7 Report Date: 09/01/94 PO No. : MSX-94-01 -MD Project : 09115.00

REFORT OF AMALYTICAL RESULTS

SAMPLED BY

CENTED BYLLE RECEIVED

NOTIFICATIONS STAINS

Page 10 of 26

164-2	ದ್ದಾ	Aqueous		CLIENT		08/24/94		08/26/94
KELEMANA	RESULT	SLIKE	¥	*PQL	COSTAN	AH GEZATIMA	74 14	SELLON
TCL Volatile Organics + MIRE by USERA								1,2,3
8240								
Chloromethane	410.	1/1	.0	10	EEA 8240	08/27/94	봈	
Brommethane	46.	1/1	1.0	10	EDA 8240	08/27/94	B	
Vinyl chloride	40.	1/24	1.0	10	EPA 8240	08/27/94	덩	
Chloroethune	40.	1/54	1.0	10	EPA 8240	08/27/94	10	
Methylene chloride	4	7	1.0	20	EPA 8240	08/27/94	H	
Acetone	384	1/54	1.0	IS.	EPA 8240	08/27/94	B	
Carbon disulfide	<10.	1/6	1.0	10	EPA 8240	08/27/94	S	
1,1-Dichloroethers	Ġ,	HS/L	1.0	LA	EFA 8240	08/27/94	K	
1,1-Dichloroethane	S.	1/2	10	10	EPA 8240	08/27/94	易	
Total 1,2-Dichlomostheme	Ģ	7/1	1.0	un	EPA 8240	08/27/94	見	
Chloroform	Ģ	7/2	1.0	u	EPA 8240	08/27/94	Ø	
1,2-Dichlorostharus	G	17/84	1.0	ST.	EFA 8240	08/27/94	H	

<sup>RQL (Practical Quartitation Level) represents laboratory reporting limits and may not reflect sample-specific reporting limits. Sample-specific limits are indicated by results amounted with 'c' values.
(1) "V" flag denotes an estimated value less than the Laboratory's Fractical Quantitation Level.
(2) "B" flag denotes detection of this analyte in the laboratory method blank analyzed concurrently with the sample.
(3) The method blank contained Acetors at 64 ug/L.</sup> 

09/01/94

LJO/kfgear/gbp(dw)/jfg/kwh

O KIONSPYA

### Juding Sampling Particults Pump Submentable Pump Submentable Pump Baile PKO/Silloon Tubing Tedino/Silloon Tubing Weberna Weberna Ppass/MC Rifer Contribuge Pump 220123062 D WOA/MTBE AVALYTICAL PARAMETERS Vell purged dry after approximately 1 gallons; silowed to recharge and purged additional volumes Method No. Preservation Nethod Volume Required Sample Collected Received By: Sample Bottle ID Nos.

### GROUNDWATER FIELD DATA RECORDS

3pecific Conductivity umbos/cm

1580 6.13

5.18

1756 5,18

famp, Dog C

(B) 1 Gal

@ 4 Gal

⊕ S Gal

Gal . Clear

TH, Units

EQUIPMENT DOCUMENTATION

KECK #

Uqui-Nox
Doinnized Water
HN03/D.I. Water
Potable Water
TSP Solution
None

 Electric Cand, Probe
 Roat Activated
 Keck Interface Probe
 Other Number of Filters Used:

Equipment 1D

Decon Fluids Used:

Water Level Equipment Used:

Other (See Notes) n Turbid © Cloudy Colored

APPENDIX D

PURGE DATA	Height of Water Column: 7.52 Ft. 3	Depth to Water: 5,70	Well Depth: 13-22 Pt	WATER LEVEL/WELL DATA	Field OC Data: D Field Duplicate Collected DUP ID:	Sample Location: MW-1	Project Broad Street Parkade	TIELD DATA RECORD - GROUNDWATER	ABB ENVIRONMENTAL SERVICES, INC.
	= .16 gal/ft (2 in) c cc.65 gal/ft (4 in) c cc.55 gal/ft (6 in) c cc. gal/ft (6 in)	45	■ Measured □ Historical □ Top of Well ■ Top of Casing	×	uplicate Collected DU		rade	ROUNDWATER	EAVICES, INC.
	1.20 Gal/Voi Ami 5 Total Gal Purged Wel	Historical Well Depth: F	Well Dia; = 2 inch = 4 inch = 6 inch	Protective Casing Stick-Up (From Ground):	P 10.	Purge Time: 1722	Job No.: 09115.00		
Sample Observations:	Ambient Air VOA: ND PPM Well Mouth: ND PPM	FL Well Material: # PVC ass a	Well Integrity: YES NO N/A Prot. Cashing Seoure:	Protective Casing/Well Diff.: Pt.		End 1733	Date: 8/24/94		PAGE 1 OF 8

FIELD DATA RECORD - GROUNDWATER	HINDWATER					
Project: Broad Street Parkade	•	Job No.: 09115.00	115.00		Date: 8/24/94	
Sample Location: MW-2		Purge Time: 1707	1707		End 1710	
Field OC Date: 27 Field Dup	D Field Duplicate Collected DUP	II = 1				
WATER LEVEL/WELL DATA		1 11	Protective Casing Stick-Up (From Ground):	Ground): Pt.	Protecti	Protective Casing/Well Offic Ft.
Well Dapth: 11.54 FL	Measured     Historical     Top of Well     Top of Casing	Well Dia.:	2 inch 4 inch 6 inch		Well Integrity: Prot. Casing Secure: Concrete Collar Intact Well Locked: Other:	T T T T T T T T T T T T T T T T T T T
Depth to Water: 4.05	P	r	Historical Well Depth;	म	aterial: U	
Height of	10 gal/tt (2 in)	120 G	Gal/Val	Amblent Air VOA:		ND PPM
,	0 1.5 gal/ft (8 in)	4	Total Gal Purged	Well Mouth:	2	ND PPM
PURGE DATA						Sample Observations:
Purge Volume	@ 1 Gal	@ 4 Gal	(M.C) (@	@ Gal	(S)	□ Clear
Temp, Dag C	12.5	11.9				Colored light brown
pH. Units	6.55	6.49				☐ Claudy
Specific Conductivity	1834	1928				■ Turbid slight
						Д Other (See Notes)
Purging Sampling		Equípment IO		Decon Fluids Used:		Water Level Equipment Used:
• 0 0	큠	ISCO I		D Uqui-Nox		Electric Cond. Probe
	PVC/Silloon Tubing Tetlon/Silicon Tubing Air Lift	0 2° 0 1°	Ì	D Delonized Water D HNO3/D.I. Water D Potable Water D TSP Solution		Neck Interface Probe     Other
D In-Line Filter D Press/AC Filter C Centrifugal purtyp		000		None		Number of Filters Used:
WALYTICAL PARAMETERS						
14	Method No.	Filtered Pre	Preservation Method	Volume Required	Sample Collected	Sample Bottle ID Nos.
VOA/MTBE Lead					000	
) G u u a (					0000	
					0	
NOTES:						
Signature:			Recei	Received By:		
2001001,000			Import	ved by:		MAN MAN

3ignature: 3ignature:	NOTES:	O VOA/MTRE	ANALYTICAL PARAMETERS	0000		Sampling	EQUIPMENT DOCUMENTATION		Specific Conductivity	pH, Units	Temp, theg C	Purge Volume	PURGE DATA		Height of	Depth to Weter: . 5.37	Wall Dapth: 11.52 FL	WATER LEVEL/WELL DATA	Field CC Data: D Field Duplicate	Sample Location: NAV-3	Project Broad Street Parkade	FIELD DATA RECORD - GROUNDWATER
			Method No.	Waterns In-Line Filter Press/VAC Filter Centrifugal pump	Submersible Pump Baller PVC/Silloon Tubing Terfon/Silicon Tubing	Pumo	NON		182.4	6.95	12,5	(a) 1 Gal		C 1.5 gal/ft (5 in)	= .18 gal/ft (2 in)	,T	m Measured  D Filstorical  D Top of Well  Top of Casing		licate Collected DUP ID:		ă	UNDWATER
		-	Filtered Press	D OED	ISCO KECK	Equipment ID			183	6.53	125	@ 4 Gal		4	1.05 Gai/Vol	Histo	Well Dia: # 2 Inch	Protective Cacir	P C	Purge Time: Start 1652	Job No.: 09115.00	
Raceived By:			Preservation Method		***************************************							(A)		Total Gal Purged	(a)	Historical Well Depth:	ch ch	Protective Cading Stick-Up (From Ground):		an 1652	00	٠
ad By:			Volume Required	None	Uqui-Nox Dolonized Water Dolonized Water HNO3/D.I. Water Potable Water TSP Solution	Decon Fluids Usad:						@ Gal		Well Mouth:	Ambient Air VOA:	F. W	Q & Q T &	Ţ		m	Da	
		000000000000	Sample Collected	Number	Eactr     Float     Keck     Chhe	Water Le						@ Gad		ND PPM		Well Material: # PVC	Well Integrity: Prot. Casing Secure: Concrete Collar Intact: Well Locked: Other:	Protective		End 1654	Date: 8/24/94	
9935169	T		Sample Bottle ID Nos.	Number of Filters Used:	Electric Cond. Probe    Floar Activated   Keck Interface Probe	Water Level Equipment Used:		Other (See Notes)	■ Turbid □ Oder	a Cloudy	■ Colared brown	Clear	Sample Coservations:	MAd	Mdc	88 0	YES NO N/A	Casing/Well Diff:				PAGE 3 OF 8

Sevent Protection								
Street Particular   Dab Not. 09115.00   Decit #J/24/PM   Dab Not. 09115.00   Decit #J/24/PM   Decit #J/24/	*							NOTES:
Broad Street Parkade   Lob Not. 00115.00   Deat 3/24/P4		0000000000						2 VOA/MTBE 1 Lead
Broad Siverit Printade   Job Not. (2015/20)   Dane: 8/74/94	-	Sample C	Volume Required	-	Н	Н	ARAMETERS	ANALYTICAL F
Incad Street Parisot   Incade   Incad	Dead Addicated Dead Const. Dead Const. Dead Const. Dead Const. Dead Const. Dead Const. Dead:					50	Beiler PVC/Sillor Teflon/Sil Air Lift Waterra In-Line Fit Press/VAC Centritug	- 7700000
Puriods	Water Lavel Equipment Used:		Jecon Fluids Used:		2	P	pling Peristatio	EQUIPMENT S
Puriode					i i			
Street Purisade					1930	1810	uctivity	Specific Condi umhos/cm
Street Purisade   Job Not : 06115.00   Dept. 3/24/94     Street Purisade   Job Not : 06115.00   Dept. 3/24/94     Street Purisade Collected OLIP ID:   Protective Casing StickUp (From Ground): P.L.   Protective Casing Street DMT.					5.89	5.95		SH, Units
Savel Pulsade   Job No. 091500   Dant 3/24/94	g Colared		1	1				Temp, Deg C
2 Street Pursuades	4	0			w	۵		Purge Volume
Discuss Collected DUP ID:  Protective Casing Stick-Up (From Ground): PL Protective Casing/Well DH::  Protective Casing Stick-Up (From Ground): PL Protective Casing/Well DH::    Measured Well Discuss 2 Inch   Protective Casing Searce: YES NO   Historical   Protective Casing Searce: YES NO   Prote	Sample Observations							PURGE DATA
Disase Collected Cult IC:  Protective Casing Stick-Up (From Ground): PL  Measured  Well Disas: 2 Inch  I Roy of Casing  I Roy	ND PPM	OA:	Ambient Alr V Well Mouth:	/ol Gat Purged	8	= .16 gal/h (2 in)  0 .65 gal/h (4 in)  0 1.5 gal/h (6 in)  gal/h ( in)	×	Height of Water Column
Description	■ PVC □ SS	Vell Material		orload Well Depth:	Histo	Ę,		Depth to Water:
de Job No.: 0915.00 Date: 8/04/94  Puge Time: 1754 End 1800  Picula Callected OUP ID:  Protective Casing Stide-Up (From Ground): PL Protective Casing/West Diff.:	YES NO	Vall Integrity frot Casing Congrate Co Veil Locked:	OSOBS	nah nah	Well Dia.: # 21	Measured     Historical     Top of Well     Top of Casing		Well Depth: 12.78
Aude Job No.: 09115.00 Purpe Time: 1754 Duplicate Callected DUP ID:				ng Stick-Up (From (	Protective Casi		WELL DATA	WATER LEVEL
ADD No.: 05115.00					Ö		C Field Dup	Raid OC Cata
Job No.: 09115.00		3nd 1800		754	Purge Time: 17		ion: WW-4	Sample Locati
ELIZA MECCANI - UNDONOMATER	34	hate: 8/24/		5.00	Job No.: 09115		Street Parkad	Project Broad
TOTAL TOTAL AND THE TOTAL TOTA						CHINACHI	ECORD - GRO	FIELD DATA R

Signature:	NOTES:	U VOWMTBE	ANALYTICAL PARAMETERS	000	Submers  Baller  PVC/SIII  Tellon/SI  Aur Lift  Watsprin	Sampling		Specific Conductivity umbos/om	pH, Units	Terrup, Deg C	PURGE DATA Purge Volume		Height of Water Column: 8.75 Ft. x	Depth to Water: 7,59	Wall Depth:	WATER LEVEL/WELL DATA	Field QC Data: D Field Dup	Sample Location: MBMW-05	Project Broad Street Parkade	FIELD DATA RECORD - GROUNDWAYER
			Method No.	in-Line Filter Press/VAC Filter Centrifugal Pump	renegatio rump Submersible Pump Baller Baller Tubing Tellon/Silicon Tubing Tellon/Silicon Tubing Air Lift Waberra	TON TON		722	6.45		(B)	0 15 gal/ft (5 in)	= .16 gat/ft (2 ln)	79	Measured Distorical Disp of Well Top of Casing Of		Field Duplicate Collected DUP		ė	UNDWATER
			Filtered Press		NSCO KEDK KEDK	Equipment ID		708	6.27		(A) (Call	l ·	1.08	Histo	Well Dia;: a 2 inch a 4 inch a 6 inch	Protective Casis	P (D:	Purge Time: 1835	Job No.: 09115.00	
Recei			Preservation Method								(P)	Can reigne	9	Historical Well Depth:	nch nch	Chaing Stick-Up (From Ground):		100	.00	
Received By:			Volume Required		□ Liqui-Nox □ Deionized Water □ HNC3/D.I. Water □ Potable Water □ TSP Solution ■ None	Decon Fluids Used:					(B)	ANGE ANDRES	Amblent Air VOA	P. V	in som s	Ground): Ft.		m	0	
		000000000	Sample Collected			Water L					(Q) Gal			Well Material: PVC	Well Integrity: Prot. Casing Secure: Concrete Collar Intact: Well Looked: Other:	Protective		End 1839	Date: 8/24/94	
00.211.60			Sample Bottle ID Nos.		Electric Cond. Probe Ploat Activated Keck Interface Proba Other Number of Filters Used:	Water Level Equipment Used:	□ Other (See Notes)	■ Turbid □ Odor	□ Cloudy	■ Colored "ea"	Sample Observations:	3	ND PPM	/C = 88 = =	YES NO N/A	Protective Casing/Well Diff.: PL				

Protective Casing/Well Diff: R Protective Casing/Well Diff: YES NO N/ Secure: RO N/ RO PPM ND
--

ABB ENVIRONMENTAL SERVICES, INC.	VICES, INC.					PAGE 7 OF 8
RELD DATA RECORD - GROUNDWATER	UNDWATER		,			
Project: Broad Street Parkade	•	Job No.: 09115.00	8	9	Date: 5/24/94	
Sample Location: MBMW-07		Purge Time: 1741	41	m	End 1746	
Field OC Data: If Field Suplicate Collected	icale Collected	DUP ID:				
WATER LEVEL/WELL DATA		Protective Casin	Protective Casing Stick-Up (From Ground):	Ground): Pt.	Protec	Protective Caping/Well Offi;:
	Messeured	Well Dia.: = 2 i	nch		ell Integrity:	YES
12.46 Ft	Top of Well	o o dinoh	TON TO	<b>≨</b> 0∶	Concrete Coller Intact: Well Locked:	
	a			0	ther:	0
Depth to Water: 5.39	य	Histo	Historical Well Depth:	ъ W	Well Material: e	PVC u ss u
. 1	16 gul/n (2 in)	1.13 Gs//Vol	0	Ambient Air VOA:	JA: ND	) PPM
, E.	0 1.5 gm/n (6 in)	♣ Total	Total Gat Purged	Well Mouth:	ND	D PPM
AURGE DATA						Sample Observations:
Purge Volume	@ 1 Gal	@ 4 Gal	lag @	@ Gal	(E)	
femp, Deg C		0.50	1000	П		D Colored
pH, Units	5.48	5.32				□ Cloudy
Specific Conductivity	1328	1328				■ Turbid Slight
ımnos/om						n Oder
						D Other (See N
urging Sampling	Q.					D Other (See N
PVC/Site	Pump	Equipment ID			Water	Dither (See N
0 0	mp Pump Tubing n Tubing	Equipment ID 1800 # 1800 #		Decon Fluids Used:	Water	D Char (See N  Cha
٥ ٥ ١	Pump Pump Tubing a Tubing				Water	D Other (Sen N  Water Level Equipment Uses  Bactric Cond. Probe  Float Activated  Float Activated  Other  Other  Number of Fillers Used:
O D	nmp Pump Tubing n Tubing thar				Water	D Other (See N Level Equipment Use othe Cond. Probe st Activated st Interface Probe ner of Of Filene Used:
O DIVINICAL PARA	Pump Pump n Tubing n Tubing				Water I  Beci   Flox Recard Numbe	eval Ec Irle Con ( Activa or of Filt
- A	Pump Pump Tubing n Tubing titer		fr e		Water  # Be C Pro	Avai Ec Avai Ec Interfacional Activa Con Filt
· Age	Pump Pump Tubing a Tabing ther Vimp Aethod No.				Water  Water  A De Pic  O A Pic  Numb  Collects	Beval Ec
°   8€	Pump Pump Tubing n Tubing n Tubing				Sample Collects  Number Collects	San
WEAK	Pump Pump n Tubing n Tubing n Tubing				Sample Collects  Number of Collects of Col	San
OA/MIBE OTES:	Pump Tubing n Tubing n Tubing				Water  Be G Pic  Num  Num  Collects	Water Level Equipment Used:  a Electric Cond. Probe  G Roal Activated  G Roal Interface Probe  O Cher  Number of Filters Used:
WENT TO THE PROPERTY OF THE PR	Pump Tubing n Tubing n Tubing			Depart Fluids Used:  - Laud-Nax - Departset Winter - Peticle Water - Peticle W	Water  Bample Collects  Vumb	San

Puging Sampling Peristatito Pump
Submansible Pump
Bailer
Physitican Tubing
Tation/Silcon Tubing
Ar Lin
Grant Tubing
Tar-Line Files
Contribuya Pump J VOA/MTBE ASS EXVIRONMENTAL SERVICES, INC. Height of .15 ga/ft (2 in)
Weter Column: 5:28 Pt. x 0.65 ga/ft (4 in)
0.1.5 ga/ft (5 in)
0.00/ft (6 in) Project Broad Street Parkade Signature: NOTES: WALTECAL PARAMETERS ECUPMENT DOCUMENTATION Specific Conductivity umbos/cm pH, Units Temp, Deg C Well Depth: Field CC Data: D Field Duplicate Collected DUP ID: PIELD DATA RECORD - GROUNDWATER Depth to Water: Sample Location: MBMW438 Purge Volume PURGE DATA WATER LEVEL/WELL DATA 7.46 218 Measured
Historical
Top of Well
Top of Casing
Or Ţ @ 1 Gat Method No. 133 6.20 Filtered ISCO KECK CI 2" CI 1" 0 OED Equipment ID Well Die.: = 2 inch = 4 inch = 6 inch 4 Purge Time: 1824 Job No.: 09115.00 Protective Casing Stick-Up (From Ground): Pt. 1130 6.04 Gal Preservation Method Volume Required Gal/Vol Total Gai Purged Historical Well Depth: **@** Gal Received By: D Liqui-Nox
Delonizad Water
HNO3/D.I, Water
Potable Water
TSP Solution
None Decon Fluids Used: 0 Well Mouth: Ambient Air VOA: 70 Gal Well Integrity:
Prot. Casing Secure:
Concrete Collar Intact:
Well Looked:
Other: End 1828 Well Material: ■ PVC □ SS Date: 8/24/94 Sample Collected 0 000000000 ■ Electric Cond. Probe
□ Float Activated
□ Keck Interface Probe
□ Other Protective Casing/Well Diff.: Number of Filters Used: Water Level Equipment Used: ND PPM Gal 8 Med ■ Turbid Sample Bottle ID Nos. Clear D Other (See Notes) ■ Catored Tea" Sample Observations □ Cloudy Ĕ 0008 0000\$

PAGE 8 OF 8

PREVIOUS BORING LOGS 2006

Proj Clie	nt	Propo	Fals	No.			ıg M		REPORT  File No. 33743-000 Sheet No. 1 of 2 Start September	25, 2	
			T	Casi	10	Sam	pler	Barrel	Drilling Equipment and Procedures Finish September Driller F. Harring	-	200
Туре	<del></del>		1	HSA	-	-	s	-	Rig Make & Model: Truck mounted B53 H&A Rep. C. Osgood		
• •		neter (in	1.3	4			3/8		Bit Type: Cutting Head Elevation 130.48		
		/eight (I		-		1	40	_	Drill Mud: None Datum NAVD	38	_
		all (in.)				l ".	0		Casing: Spun   Location See Plan   Hoist/Hammer: Winch / Safety Hammer   Location See Plan		
		<u>.</u>			Ī	Ę	īg		Gravel Sand F	ield T	es
<u>=</u>		e	e t		Diaglant	Dep	Symbol	,	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> ,	ness	<u>.</u>
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Denth (#)		AAGII	Elev./Depth (ft.)	nscs	(Densit	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², ador, moisture, optional descriptions, geologic interpretation)	Toughness	Plasticity
0 -	<i>v</i> )	N &	S	3 3	=		3	Structure, c		F 2	<u>a</u>
					-	0.5			-BITUMINOUS CONCRETE (6 in.)-	+	7
	8 12 35 53	S1 11	1.0 3:0				SM	Dense, red	I-brown silty SAND with gravel, no structure, no odor, moist   10   5   - 10   50   25   -		r
8	22 31 35	\$2 11	3.0 5.0				SW- SM	Very dense dry	e red-brown well-graded SAND with silt and gravel, no odor,   15   15   20   25   10   -		2
5 -	29 12 20	S3 15	5.0 7:0					Similar to	S2, except dense		
	23 27				1	107.6			-POSSIBLE FILL-		
8	22	\$4	7.0	$\dashv$	- 1	7.0	SP-	Medium d	ense red-brown poorly-graded SAND with silt, no odor, wet - 10 5 35 40 10 -	٠,	-
8	12 10 13	10	9.0		WELL INSIALLED		SM				
10 -					1						
	16 8 8 8	\$5 6	10.0		NO W		SP- SM	Medium dodor, wet	ense red-brown poorly-graded SAND with silt and gravel, no		•
-15	6 5 5 6	S6 16	15.0 17.0					Similar to	85		
- 20 -									-GLACIOFLUVIAL DEPOSITS-		
		Wat		evel osed	1		th (ft.	) to:	Sample Identification   Well Diagram   Summary    Riser Pipe   Overbyrden (lin. ft.) 23.0	11	_
Da	ate	Time		e (hr.	Bo	ottom	Botto of Ho	m Water	O Open End Rod Screen Overburden (III. It.) 22.0		
9-2:	5-06	1015				20.0	18.		U Undisturbed Sample Cuttings Samples 7S		
									S Split Spoon Grout Concrete Boring No. B1		
Fie	eld Tes	ts:		Di	lata	ncy:	R-F	Rapid, S-S	G Geoprobe Bentonite Seal Solve, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	(VDD)HAT	Q.
			Ob Obe			mese.	1.4	ow Malde	dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Ve	y Hig	h

HAI	ALEY & LDRIC	노 H					TEST BORING REPORT	F	ile	Νo		43-	1 000 f 2		
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size², structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	evel % Line	Se.	% Medium 8	% Fines		Toughness @	Strength
-20	8 8 9 8	\$7 10	20.0 22.0		108.5 22.0		-GLACIOFLUVIAL DEPOSITS- Bottom of exploration 22.0 ft						Provided in the Control of the Contr		
	T = Sami	nter blows	s per 6 in	<sup>2</sup> Max	ximum n	article	size is determined by direct observation within the limitations of sampler size.	Ē	_		 d n	 	В	1	 

USCS\_T84 USCSLIB4,GLB USCS\_TBS.GDT G1037430000DATABASES133743000TB GPJ Nov14.06

<sup>1</sup>SPT = Sampler blows per 6 in. <sup>2</sup>Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.

	ALEY & DRIC			,	D 11 11			BORING REPORT  File No. 33743-0		200
Proj Clie	nt	(inti)	STOL	isels.			ianchester	Sheet No. 1 of 2		•^
Con	itracto	Seab	oard 1	Orillin	g, Inc.	7)			per 25, 20 per 25, 20	
			C	asing	San	npler	Barrel	Drilling Equipment and Procedures Driller F. Harr	_	
Туре	3			HSA	S	SS	2	Rig Make & Model: Truck mounted B53 H&A Rep. C. Osgo		_
Insid	le Diar	neter (ir	1.)	4	1:	3/8	-	Bit Type: Cutting Head Elevation 128.2  Drill Mud: None Latum NAV		
Ham	ımer V	Veight (i	b.)	4	1.	40	-	Casing: Spun Location See Plan		=
Ham	mer F	all (in.)		*1	3	80		Hoist/Hammer: Winch / Safety Hammer		
$\overline{}$		o c	7	am	돭	Symbol	,	/isual-Manual Identification and Description	Field Te	es
t)	_	ple l	ple fr (ft	Diagr	/Del	Syn			ncy ines	City
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	nscs	(Densit structure, c	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , addr., moisture, optional descriptions, geologic interpretation)	Dilatancy Toughness Plasticity	Lasi
0 -					128.0	CM	\	-BITUMINOUS CONCRETE (4 in.)-		Ξ
İ	14 24	S1 10	0.5 2.5	1	0.3	SW- SM		brown well-graded SAND with silt and gravel (except top 2   15   10   20   20   25   10   10   SAND), no odor, moist	. . .	
	25 70	10	ر.2				in. gray si	ty SAND), no odor, moist		
	15	S2	2.5	-			Similar to	S1, except medium dense		
	19 9	10	4.5							
	7									
- 5 -	n	02	50	]		CTV.	Madhand	ense red-brown well-graded SAND with silt and gravel, no - 15 15 30 30 10	.].].	
	9	S3 10	5.0 7.0			SW-	odor, wet	ense red-brown well-graded SAND with silt and gravel, no		8
	8 7							,		
.	8	S4	7.0	1			Similar to	S3		
	8 9	6	9.0	LED						
	8			TAI:						
				Ž						
10 -	3	S5	10.0	NO WELL INSTALLED		sw	Loose red-	brown well-graded SAND with gravel, wet - 20 20 30 30 -		
	3	12	12.0	Š						
	4									
				1						
				l						
- 15 -										
10	2 2	\$6 8	15.0 17.0			SP	Loose red- M.C.=39.	brown poorly-graded SAND with gravel, no odor, 7 20 12 46 13 2 1 1 %		91
	3 4		17.10							
	-	-		-			Note: Au	gered to 20.0 ft. Approximately 4 ft of sand running up into		
								ded water to augers and redrilled, then sampled		
- 20 -							1	-GLACIOFLUVIAL DEPOSITS-		
60		Wa	ter Le			41		Sample Identification Well Diagram Summary		_
D	ate	Time	Elap: Time	(hr )	Bottom	th (ft.	Mater	Screen Screen	2.0	
0.0	5.05	1100	1 1110	101	Casing 20.0	1	269	T Thin Wall Tube Filter Sand Rock Cored (lin. ft.)  U Undisturbed Sample Sample Samples 7S	-	
9-2	5-06	1100		1	20.0	18.	8   5.0 +/-	S Split Spoon	32	
<b>—</b>	-1.1 =			Dile	anou:	0.0	Panid C C	G Geoprobe  Bentonite Seal  W. N-None  Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	) <u>/</u>	_
Fie	eld Tes	15:			ancy: hness	17-1	ow. M-Me	dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-		į.

HA	ALEY o	& H					TEST BORING REPORT	F	ile	No	٥.	33		2 -000 f 2			
3		No.	£	E	pth	loqu	Visual-Manual Identification and Description	Gra	ave		Sar	nd		F	ielď	Test	
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
-20	1 1	S7 10	20.0 22.0				Similar to S7 (possibly disturbed)	10	20	10	45	15		- X	•		(i)
ŀ	2 4	"	22.0				OV A CHOPMANNAM DEPROGRAM									-	
ŀ	$\vdash$				106.3 22.0		-GLACIOFLUVIAL DEPOSITS- Bottom of exploration 22.0 ft			t	H	r			1	+	
STATE OF THE PROPERTY OF THE P							size is determined by direct observation within the limitations of sampler size.							R			

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:U3743000UDATABASESU3743000TB.GPJ Nov 14, 08

'SPT = Sampler blows per 6 in. 'Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.

HA AL	LEY & DRIC	₹ H				***************************************	TEST	BORING REPORT  Boring No.	3	
Proj Clie Con	nt	Propo Seab	Satelli			-	lanchester	, Connecticut File No. 33743-000 Sheet No. 1 of 2 Start September 2		
			Ca	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September 2 Driller F. Harringto		O
Туре			_	ISA	+	ss		Rig Make & Model: Truck mounted B53 H&A Rep. C. Osgood	711	
		neter (in		4	1	3/8	<u>u</u>	Bit Type: Cutting Head Elevation 129.55	V.V. 44-2	
		/eight (l	1	-	1	40	_	Drill Mud: None Datum NAVD 88 Casing: Soup Location See Plan	3	_
		all (in.)	5.,			10		Casing: Spun Hoist/Hammer: Winch / Safety Hammer		
			r '	T I					eld Test	-
£		e N.	( <u>F</u>	grar	)ept	Symbol	١	Visual-Manual Identification and Description	22 22	-
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	uscs s	(Densit structure, o	Visual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², odor, moisture, optional descriptions, geologic interpretation)	Plasticity	Strenath
0 -	8	\$1	0.2		129.3	-		-BITUMINOUS CONCRETE (4 in.)-		Ξ
	8	18	2.2		0.3	SP- SM	Medium d	ense red-brown poorly-graded SAND with silt, no odor, moist		•
	10						o: "			
	11 9 9 9	S2 17	2.2 4.2				Similar to			
					124.6		L			
5 -	3 4 4 4	S3 10	5.0 7.0		5.0	ML	Medium st	tiff red-brown SILT, laminated, no odor, wet		•
	7	S4	7.0				Similar to	S3, except stiff	.   .	
	9	12	9.0	A	121.6					_
	12 12			NSTAL	8.0	SW- SM	Medium d odor, wet	Single fed blown wen Branca british with site and Branch in	-   •	-
10 -	18 10 11 10	\$5 7	10.0	NO WELL INSTALLED		GM	Medium-d	lense red-brown silty GRAVEL with sand, no odor, wet		3
-15 -	18 8 5 7	\$6 16	15.0		114.1 15.5	ML		lense red-brown sandy SILT, laminated, no odor, wet 10 30 60 - nning sand 1 ft up into augers. Added water redrilled to 20 ft,	- 0	
								-GLACIOFLUVIAL DEPOSITS-		
20 -		Wa	ter Lev			7.2	99	Sample Identification Well Diagram Summary		
Di	ate	Time	Elaps		Dep Bottom	th (ft.	200	O Open End Rod Riser Pipe Overburden (lin. ft.) 22.0		
_			Time (		Casing	of H	ole vvater	T Thin Wall Tube Filter Sand Rock Cored (lin. ft.)		
9-2	5-06		90		(*)	٠	5.0 +/-	Grout Gample		_
E:	eld Tes	to.		Dilat	ancy:	P-I	Rapid S.S	S Split Spoon G Geoprobe Concrete Bentonite Seal  Clow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High		
				Toug	hness	: L-	Low, M-Me	adjum, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very a (in.) is determined by direct observation within the limitations of sampler size.	High	
SP	1 = 5ar	npler blo No	te: So	il ide	ntifica	tion b	ased on v	isual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.		Ξ

USCS\_TB4 USCSLIB4 GLB USCS\_TB5 GDT 6:03743\0000DATABASES\03743000TB.GPJ Nov.14,06

HAI	EY& RICH						TEST BORING REPORT	F	3or File She	No	),	337		3 000 f 2			
	SpT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size², structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium		% Fines		Toughness a	Plasticity at	
de O	4 1 1 3 3	EBS S7 3	20.0 22.0	Well	(讲) 107.6 22.0	SOSO	Cleasity/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)  Gravel in spoon tip (possibly disturbed)  -GLACIOFLUVIAL DEPOSITS-  Bottom of exploration 22.0 ft	0%	H %	0%	W %	日%	14 %	Dilate	Toug	Plast	Street

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCSLIB4 GLB USCS\_TB5.GDT G:03743W000DATABASES\33743000TB GPJ Nov 14, 06

Proj Clie	nt					ng N		BORING REPOR	RT		Fil Sh	le N	lo. t N	٥.	337 1 o	f 2	000		20	-06
-			-	asing	1	npler	Barrel	Drilling Equipment	and Procedures		m i	nish			-		ber		20	00
Time			-			<u> </u>		Rig Make & Model: Truck			ł.	ille: &A					ring 300d			
Туре		4 41	- 1	ISA		S		Bit Type: Cutting Head	mounted 1959			eva				31.0				_
		meter (i	_ I	4		3/8	-	Drill Mud: None			_	atur	_				/D 8	38	_	_
		Veight ( all (in.)	ID.)	: ·	1	40 10	-	Casing: Spun	- f. b. TY		LC	cat	IOT	1 3	see	Pla	.n	٨		
паш	iiiiei r			· ·			U.E.	Hoist/Hammer: Winch / S	atety Hammer		Gra	ivel		San	ď			ield	Tes	- -
£		Sample No. & Rec. (in.)	"£	Well Diagram	Elev./Depth (ft.)	Symbol	١ ١	/isual-Manual Identification	and Description					Ę				_		
Depth (ft.)	ī	mple cc.	Sample Depth (ft.)	Ö	Ď	(\$ 5)	(Densit	y/consistency, color, GROUP	NAME, max, particle size <sup>2</sup> .		Coarse	% Fine	Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	3
Det	SPT	Sar	Sar	Well	음()	uscs	structure, o	odor, moisture, optional descrip	otions, geologic interpretati	on)	0%	%	%	₩ W	%	%	Difa	길	Plas	:
0 -					130.8		`	-BITUMINOUS CONC	RETE (4 in.)-	,	_			70	7.5					Ε
Ì	8	Sl	0.5	1	0.3	SM		ense red-brown silty SAND wi		dor,	5	10	15	20	35	15	•	-	-	3
	12 14 18	14	2.5				dry							2						
	9	S2 13	2.5				Similar to													
	13 15	13	4.5		127.6	sw	Medium d	-FILL- ense red-brown well-graded SA	ND with gravel, no odor, o	irv			-	-	-	$\dashv$	-		-	H
	17									,										
- 5 -	8	S3	5.0			sw	Medium d	ense red-brown well-graded SA	ND with gravel no odor	iev	15	15	25	25	20				•	b
	10	12	7.0			3 11		t in shoe, possible indistinct str		n y	13	,,,	رد	٦	20	8		8		ľ
	8 12									8										
.	9	\$4	7.0	-		SP	Madium d	ense red-brown poorly graded S	SAND no odor wet			5	15	50	30					
	10	13	9.0	Ę		or	Medinin d	cise red-brown poorty graded t	SAND, NO OGOI, WEI		1	١	13	30	50					
	10 10			AL										120			П			
			-	ISSI																
- 10 -				NO WELL INSTALLED																
	6 13	\$5 3	10.0	M.E			Similar to	S3												
	8		12.0	2																
15 -		54	16.0			SP	I com sed	heavy goody goded SAND w	ith arough no odes		20	10	o	36	14	2	3			
	3	S6 15	15.0		1	21	M.C.=13	brown poorly-graded SAND w .0%	im gravei, no odor,		20	10	١	20	14	٥			î	
8	5 5																			
.																				
												13								
					8															
:		1																		
- 20 -					l			-GLACIOFLUVIAL	DEPOSITS-									l		
		Wa	ter Lev			0	· ·	Sample Identification	Well Diagram			_		nm						
Da	ate	Time	Elaps Time (		Dep Bottom	th (ft.		O Open End Rod	Riser Pipe Screen	Ove							2.0			
			THIR!		Casing	of H	ole Water	T Thin Wall Tube	Filter Sand				ed	(lin			-			
9-2	5-06	¥	2		*	•	7.0	U Undisturbed Sample S Split Spoon	Grout	Sar				_	7.	S	_			-
								G Geoprobe	Concrete Bentonite Seal	Во		Τ.					B4			
Fie	eld Tes	ts:			ancy:			low, N-None Plas dium, H-High Dry	ticity: N-Nonplastic, L-L Strength: N-None, L-Lo	ow, M	-Me	diu	m,	H-	Hig	h V	_\/o	νμ	iab	
	and the state	andar bla	ws per 6		<sup>2</sup> Ma	ximum	particle size	(in.) is determined by direct obs	ervation within the limitations	of sam	ple	Size	9.		H)L	u V			SII.	_

Comparison
4 S7 20.0 4 10 22.0 4 4 4 - GLACIOFLUVIAL DEPOSITS-

'SPT = Sampler blows per 6 in. <sup>2</sup>Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H/ AL	ALEY & DRIC	€ H					TEST	BORING REPORT  Boring No.	35	
Proj Clie Con	nt	Prop	TE FOOT		Ing	_		, Connecticut File No. 33743-000 Sheet No. 1 of 3 Start September 2		
			С	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September 2 Driller M. Glynn	8, 200	06
уре	3		-	HW	+-	SS		Rig Make & Model: Truck mounted B53  Rig Make & Model: Truck mounted B53  H&A Rep. M. Pardi		
		neter (i		4		3/8		Bit Type: Cutting Head Elevation 130.66		_
		Veight (		300		40		Drill Mud: None Datum NAVD 88 Casing: Supp. Location See Plan	3	-
		all (in.)	,	30		30		Casing: Spun Hoist/Hammer: Winch / Safety Hammer		
7		0.	Г'.	E	£	<u>0</u>		Gravel Sand Fie	eld Tes	st
Ē		S S S	1 ge	iagra	Dep	Symbol	'	Visual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> ,  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> ,	ess ₹	
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	nscs (		Visual-Manual Identification and Description  by/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , odor, moisture, optional descriptions, geologic interpretation)	roughness Plasticity	
0 -	12 14 13 16	S1 16	0.5 2.5			SP- SM	Medium d	ense red-brown poorly-graded SAND with silt and gravel, no - 10 10 40 30 10 - 2.=3.7%		
1	23	S2	2.5	1			Similar to	S1, except dense and with coarse quartz gravel, dry 5 10 10 35 30 10		l
- [	26 26	16	4.5		126.7			-POSSIBLE FILL-		
ļ	29				4.0			-1 OSSIBLE FILES-	+	
5	20	S3	5.0	-		SP-	Dense red.	-brown poorly-graded SAND with silt and gravel, dry, no odor   5   10   5   20   50   10   -		
	30 18 18	6	7.0		123.7	SM	20.00144			
	25 20 10 8	S4 18	7.0 9.0	WELL INSTALLED	7.0	SP	Medium d	ense red-brown poorly-graded SAND, no odor, wet - 10 30 40 15 5 -	-   -	
0 -	22 10 10 10	\$5 0	10.0	NO WELL IN			No recove	ry		
5	22 8 7 8	S6 8	15.0			SP	Medium de	ense red-brown poorly-graded SAND with gravel, wet		
20 -								-GLACIOFLUVIAL DEPOSITS-		
	Ī	Wa	ter Lev		The second second	th (ft.	) to:	Sample Identification Well Diagram Summary		_
Da	ate	Time	Elaps Time (	hr B	ottom Casing	Botto of Ho	MINA	O Open End Rod T Thin Wall Tube U Undisturbed Sample  O Open End Rod Screen Filter Sand Cutlings  Overburden (lin. ft.) 52.0 Rock Cored (lin. ft.) - Samples 13S		
			140	Jusc	, , , , ,			S Split Spoon  S Split Spoon  Grout  Concrete  Boring No. B5		
Fie	ld Test	ts:			ancy:	R-F	Rapid, S-SI	low, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High		_
		npler blo	ws per 6	Toug	hness:	L-L	ow. M-Me	dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very (in.) is determined by direct observation within the limitations of sampler size.	High	-

USCS\_TE4 USCSLIB4.GLB USCS\_TB5.GDT G:33743000/DATABASES/33743000TB.GPJ Nov 14, 06

Boring No. B5 **TEST BORING REPORT** File No. 33743-000 Sheet No. 2 of 3 Sand Field Test Elev./Depth (ft.) Sample No. & Rec. (in.) USCS Symbol Well Diagram Sample Depth (ft.) Depth (ft.) Visual-Manual Identification and Description % Coarse % Fine % Coarse % Medium Toughness Plasticity Dilafancy % Fines Strength % Fine SPT (Density/consistency, color, GROUP NAME, max. particle size<sup>2</sup>, structure, odor, moisture, optional descriptions, geologic interpretation) - 20 \$7 10 20.0 Similar to S6 8 01 22.0 10 25 25.0 **S8** No recovery 27.0 36 Note: Rock in tip of spoon 23 21 -30 20 50 30 30.0 Dense red-brown silty SAND, wet -29 23 32.0 21 23 -35 35.0 S10 Similar to S9, except medium dense 12 37.0 12 15 Nov 14, 06 40.0 Dense red-brown poorly-graded SAND with gravel 15 50 30 5 S11 25 42.0 24 25 S12 45.0 Similar to S11, except medium dense 18 47.0 19 23 -GLACIOFLUVIAL DEPOSITS-SPT = Sampler blows per 6 in. 2 Maximum particle size is determined by direct observation within the limitations of sampler size, **B5** Boring No. NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

G:03743/000/DATABASES/33743000TB.GPJ USCS\_TB5,GDT

USCSLIB4,GLB USCS\_TB4

H/AI	ALEY & DRIC	& Ĥ					TEST BORING REPORT	F	ile	No		337	5 -000 f 3			
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size², structure, odor, moisture, optional descriptions, geologic Interpretation)	% Coarse	ave	ı	% Medium	nd	Į	Toughness 🚊	Plasticity of	
TdaO 50	36 53 49 54	S13 12	50.0 52.0	Well	78.7 52.0	SOSA S	(Density/consistency, color, GROUP NAME, max. particle size', structure, odor, moisture, optional descriptions, geologic Interpretation)  Very dense red-brown poorly-graded SAND with gravel, no odor, wet  -GLACIOFLUVIAL DEPOSITS-  Bottom of exploration at 52.0 ft	F	F	F	F	20	) Dilata	Tough	, Plasti	Stren
							3									9

USCS\_TB4 USCSLIBILGLB USCS\_TB5.GDT G;03743000/DATABASES'03743000TB.GPJ Nov.14, 06

'SPT = Sampler blows per 6 in. 'Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.

HA AL	LEY & DRIC	& H					EST BORING	REPORT				В	ori	ing	j N	o.			В6		
Proj Clie Con	nt	Proper Seabo				ıg M	nchester, Connecticut	in the second		* 11		SI	art	t N	٥.	1 o Sep	f 1	ber	28, 28,		
			Ca	asing	San	npler	Barrel Drilling	Equipment a	nd Pro	ocedures			nisl rille					ring		20	<i>J</i> U
Туре	2		H	ISA	5	S	Rig Make & M	odel: Truck mo	ounted	B53		H	&A	Re	p.	М.	Par	di			***
Insid	le Diar	neter (ir	1.)	4	1:	3/8	-	tting Head				1 "	eva atur		Π		29. JAX	91 /D 8	ጸጸ		
Ham	mer V	/eight (l	b.)	; <del>;;</del> ;	1.	40	Drill Mud: No Casing: Spi					$\vdash$	oca		١,	_	Pla				
Ham	mer F	all (in.)		-		0	Hoist/Hammer	r: Winch / Safe	ty Ha	mmer					_		_				
£		Sample No. & Rec. (in.)	£.	gram	Elev./Depth (ft.)	Symbol	Visual-Manual k	dentification a	nd De	scription			avel	-	San	,			ield s		
Depth (ft.)	ī–	nple tec. (	Sample Depth (ft.)	Well Diagram	v./De	S Sy	(Density/consistency, co	lor, GROUP NA	ME. m	nax. nadicle siz	e².	% Coarse	Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
	SPT	s a	Sal	Wel	Ele (Fle	nscs	tructure, odor, moisture, op	otional description	ons, ge	ologic interpre	tation)	%	%	%	%	%	%	Dila	Į,	Plas	Stre
- 0 -	9 12 13	S1 12	0.5 2.5			SP	Medium dense red-brown po	oorly-graded SA	ND, m	noist		*	10	25	30	30	5			. •	
-	16						7. 11 . 61							*							
-0	18 14	S2 12	2.5 4.5				Similar to S1										ļ I				
- 5	14 12										3							52.0			
- 5 -		62	<i>E</i> 0		124.9 5.0	GP	realth and the same of	-FILL-	ASTET	with sound and	in a		20	25	30	20	5	_			
-	6 5 7	S3 12	5.0 7.0		3.0	GP	Medium dense red-brown po	ooriy-graded GR	AVEL	, with sand, mo	ISC		20	1	50	20					
	7											٠					إرا				
	6 7	S4 16	7.0 9.0	Θί		GP	Medium dense red-brown po	oorly-graded GR	LAVEL	with sand, we		5	20	30	25	15	5		•	್	13
	9 7			WELL INSTALLED																	
- 10 -				ELL IN	119.9							_		200	-		10		-		-
	2 2	\$5 8	10.0 12.0	NO WI	10.0	SP- SM	Loose red-brown poorly-gra	ided SAND with	SIJt, W	vet			-	20	20	20	10		-	•	-
	3			_			Vel														
-	8	S6	15.0			SP	Medium dense red-brown po	oorly-graded SA	ND wi	ith gravel, wet		5	25	20	40	10					
	11 16	12	17.0			, D.	Mediani dense red-brown po	oorly-graded or	.112	idi giuvoi, woi		ľ	200	2							Ü
	17				112.9		-GLACI	IOFLUVIAL DI	EPOSI	rs-											
		0			17.0		Bottom	of exploration	at 17.0	ft									8		
													8								
														11							
		<u> </u>					Topogram	pres as T	161	II Dia	_	L	!								
	.	-	ter Lev Elaps			th (ft.	Sample Ide	I.D. J	TI	II Diagram Riser Pipe	0	erb			72-77	ary ft.	) 1	7.0		_	
Da	ate	Time	Time (	br & E	Bottom Casing	Botto of Ho	Matas	Il Tube	愚	Screen Filter Sand	1	ck						=			
9-2	8-06	1100	%		*:	-		Ded Sallible	79.5	Cuttings Grout	Sa	mp	les		_	6	S		_		_
							S Split Spo G Geoprob	oe i		Concrete Bentonite Seal		rir						B6			
	eld Tes			Toug	ancy: hness	L-I	pid, S-Slow, N-None w. M-Medium, H-High	Dry St	rength	-Nonplastic, L : N-None, L-	Low. M	-Me	diu	m,	H-I	Hig High	h ). V	-Ve	ry H	igh	
'SP	T = Sar	npler blow	vs per 6 te: So	in. il ide	<sup>2</sup> Ma ntifica	ximum tion b	article size (in.) is determined sed on visual-manual m	by direct observethods of the	uscs USCS	ithin the limitation as practiced	ns of san	nple ey 8	Al	e. dri	ch,	Inc	_				

USCS\_TB4 USCSCIB4.GLB USCS\_TB5.GDT G:\03743\000\DATABASES\03743\000TB.GPU Nov 14, 08

Proj Clie Con	nŧ	Proper Seab	-	10 - 10	UED.	ng M		File No. 33743-000 Sheet No. 1 of 2 Start September 20	
			C	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September 26  Driller M. Glynn	5, 200
Туре			-	ISA		S	- Darron	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi	
• •			- 1		1			Bit Type: Cutting Head Elevation 128.95	
		neter (ii	·	4		3/8	-	Drill Mud: None Datum NAVD 88	_
		Veight (I	(.ما	•	1	40	-	Casing: Spun Location See Plan	
пап	imer F	all (in.)	ᆫ	·*:		0		Hoist/Hammer: Winch / Safety Hammer  Gravel Sand Fiel	ld Test
£,		Sample No. & Rec. (in.)	<b>€</b>	Well Diagram	Elev./Depth (ft.)	Symbol	١	Visual-Manual Identification and Description	3
Depth (ft.)	<u>-</u>	Pe e	mple Str. (	Diag	Q	ŝ	(Densit	Visual-Manual Identification and Description  by/consistency, color, GROUP NAME, max. particle size², odor, moisture, optional descriptions, geologic interpretation)	Plasticity
Dep	SPT	San	Sample Depth (ft.)	Ne Ne	E E E	nscs	structure, o	ty/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , odor, moisture, optional descriptions, geologic interpretation)	- Bas
0 -	6	SI	0.0		128.7			PITUMINOUS CONCRETE (4 in )-	Plasticity
	9	14	2.0		0.3	SM	Medium d	lense red-brown silty SAND with gravel, no odor, moist	-
	16 27								
9	23	S2	2.0				Similar to	S1, except dense, no gravel	
8	28 13	11	4.0						
	13					li			
5 -							Diil	70 must madium dance	11
	17 12	\$3 3	5.0 7.0				Similar to	S2, except medium dense	
8	10 12							* [] [] []	
			7.0			[ _ ]	M-E 4	lense red-brown poorly-graded SAND with silt, no odor, wet 5 20 35 30 10	
	12 13	S4 5	7.0 9.0	日		SP- SM	Medium a	dense red-brown poorly-graded SAND with silt, no odor, wet	
3	14 14			ALL					
Ϋ.	A-T		-	NST					
40				WELL INSTALLED					
-10 -	15 21	S5 10	10.0	WE		SP- SM	Dense red	-brown poorly-graded SAND with silt, no odor, wet	1-1
8	25	10	12.0	용		ÇIVI			
	23								
6		1							
5									
- 15 -	4	S6 13	15.0				Similar to	SS, except medium dense	
	8	13	17.0						
	9								
			1						
								-GLACIOFLUVIAL DEPOSITS-	
-20 -	-	Wa	ter Lev	el Da	ta			Sample Identification   Well Diagram   Summary	
Г	ato	Time	Elaps	ed L	Dep	th (ft.		O Open End Red Riser Pipe Overhurden (lin ft.) 22.0	
U	ate	Time	Time (	hr∜ S	Bottom Casing	Botto of Ho		T Thin Wall Tube Filter Sand Rock Cored (lin. ft.)	
9-2	6-06	0925	-		22.0	22.6		U Undisturbed Sample Cuttings Samples 7S	
								S Split Spoon Concrete Boring No. B7	
E	eld Tes	te.		Dilat	ancy:	R-F	Rapid, S-S	G Geoprobe Bentonite Seal Bentonite Seal Bentonite Seal Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	-
- 51	AND 125	,			hness			edium, H-High Dry Strength; N-None, L-Low, M-Medium, H-High, V-Very	High

I-A	IALEY LDRIC	& H					TEST BORING REPORT	F	ile	No	١,		743-	7 -000			
		śî	G	E S	£	Sympol	Visual-Manual Identification and Description	Gra	vel		Sar	d		_	ield	Tes	
Depth (ft.)		Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Syn	(Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
-20	6 14	S7 16	20.0 22.0			SW- SM	Dense red-brown well graded SAND with silt and gravel, no odor, wet	10	10	20	30	20	10		•	•	•
-	16 15				107 0		-GLACIOFLUVIAL DEPOSITS-										
F	-				107.0 22.0	_	Bottom of exploration at 22,0 ft	t	-	H							

USCS\_TE4 USCSLIB4.GLB USCS\_TB5,GDT G:\u3743\u000\DATABASES\u3374300\TB.GPJ Nov.14, 08

<sup>1</sup>SPT = Sampler blows per 6 in. <sup>2</sup>Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.

HA AL	LEY & DRIC	Sz H					TEST	BORING REPORT  Boring No. BE	3
Proj Clie Con	nt	Prop	South				Manchester	, Connecticut  File No. 33743-000 Sheet No. 1 of 2 Start September 26	
			Ca	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September 26  Driller F. Harrington	
Туре	1		I	ISA	5	SS	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi	
Insid	e Diar	neter (iı	1.)	4	1	3/8	-	Bit Type: Cutting Head Elevation 129.91 Drill Mud: None Datum NAVD 88	
Ham	mer V	/eight (l	b.)	2	1	40	#E	Drill Mud: None  Casing: Spun  Datum NAVD 88  Location See Plan	
Ham	mer F	all (in.)		*	3	30	-	Hoist/Hammer: Winch / Safety Hammer	
		ñ. Ö.	<b>a</b>	ram	pth	ЅутЬо	,		d Test
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Syn	(Densit	Visual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , ador, moisture, optional descriptions, geologic interpretation)	Plasticity
0 -	9	S1	0.0		129.6			-BITTIMINOUS CONCRETE (4 in )-	
	18 18	ii	2.0		0.3	SP	Dense red-	-brown poorly-graded SAND, no odor, dry	- -
	7 9	S2 16	2.0 4.0			SP	Medium de	ense red-brown poorly-graded SAND, dry	ist s
	10 7								
5 -	2	S3	5.0				Similar to	S2, except loose, M.C. = 19.4%	· .
	3 3 6	12	7.0						
	5 5 5 6	S4 0	7.0 9.0	WELL INSTALLED			No recove	ry	
10 -	2	\$5	10.0	WELL IN		SP	Loose red-	brown poorly-graded SAND, wet	ļ. ļ.
	2 3 3	15	12.0	NO					
-15	4 3 3 3 3	\$6 16	15.0 17.0		8		Similar to	S5 - 20 50 30	a r
20		10/2						-GLACIOFLUVIAL DEPOSITS-	
			ter Lev Elaps	ed L	Dep	th (ft.		Sample Identification Well Diagram Summary  O Open End Rod Riser Pipe Overburden (lin. ft.) 22.0	
	ate 5-06	Tlme	Time (	hr B	lottom Casing	Botto	m Metar	T Thin Wall Tube Screen U Undisturbed Sample	
, apt	- 55						5.0	S Split Spoon G Geoprobe G Geoprobe Grout Concrete Bentonife Seal Boring No. B8	
Fie	ld Test	ts:		Dilata	hness	1-1	ow. M-Me	low, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	ligh
'SP'	T = San	npler blov		in,	<sup>2</sup> Ma	ximum	particle size	(in.) is determined by direct observation within the limitations of sampler size.	

USCS\_TB4 USCSUB4.GLB USCS\_TB5.GDT G/33743000DATABASESW3743000TB.GPJ Nov.14,06

HA ALI	LEY & DRIC	ž H					TEST BORING REPORT	F	ile	No		337		8 -000 f 2		
		<b>इं</b> ट	_	E	th	豆	W. J.M. Lidas W. Cashan and D. Ladar	Gra			San			Fj	eld	Tes
חוואלפת	_	ple h	ple fr (fr	Diagra	/Dep	Sym	Visual-Manual Identification and Description	arse	e e	arse	dium	9	Sec	ncy	seut	Sity.
0 +	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toug	Plasticity
T	2 3	S7 24	20.0 22.0				Similar to S6								1	
	3															
ŀ					107.9 22.0	_	-GLACIOFLUVIAL DEPOSITS- Bottom of exploration at 22.0 ft	-	-			-	$\dashv$	-	$\dashv$	
					11		8									
1															-	
1															-	
-																
1																
Ì																
I											1		- 1			
١							*			Ш			1			
ı																
ı							€			П						
l										Н						
l																
ı		l l														
ı																
ı													-1			
l							ı.					-				
l												1			-	
ı																
l			(5.				<b>≭</b> :									
١										Н						
l																
ı																
l										Ш						
ı												1				
١																
l									177							
l											U.S					
1																
l		8														
												-				
							9									
							6 N									
- 1	-			_					-			-1	-1	_ 1	- 1	

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, inc.

USCSLIBA.GLB USCS\_TB5.GDT G;33743000/DATABASESU3743000TB.GPJ Nov 14, 06

HA	LEY d DRIC	& H					TEST	BOR	RING REPOR	RT			В	ori	inç	j N	lo.			В9		
Proj Clie Con	nt	Prop				-	fanchester.	, Conn	ecticut				St	art	t N		1 o Sep	f 2	ber	27,		
			Cá	asing	San	npler	Barrel		Drilling Equipment	and P	rocedures			nisl rille				Gly	iber m	21,	, 20	UD
Туре	<del></del>		E	ISA	T 8	S		Rig M	lake & Model: Truck	mounte	ed B53							Par				
Insid	e Diar	neter (ii	2.)	4	1,	3/8		,	pe: Cutting Head					eva		n	_	30.				
Ham	mer V	veight (l	b.)			40		Drill M Casin	Mud: None				_	atui oca	_	<u> </u>	_	Pla	/D (	58		_
		all (in.)			3	10			g: Spun 'Hammer: Winch / S	afety H	lammer	5										
		ġ;;		E	É	豆		GI A						avel	+-	Sar			F	ield	Tes	st_
Ę.		c (ir	(ft.	iagra	lev./Depth	Symbol	`	/isual-N	Manual Identification	and D	escription		Coarse	<b>a</b>	arse	ginm	ø	es	ρί	ness	ξį	₽
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./	USCS			stency, color, GROUP l pisture, optional descrip				% Cox	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -	10	S1 11	0.0		130.0	SM			BITUMINOUS CONC				-	15	4	15	30	20	_			
5	15 27 27	11	2.0		0.4	SIVI	Dense red- with organ		silty SAND with gravel et	, no stri	ucture, no odor, dry	/;	,	13	3	13	30	30		0	.0	(35)
	29 37 39	\$2 4	2.0 4.0				Similar to	S1, exce	ept very dense, no orga	nics												
	33				126.4				-FILL-													
					4.0											Г						
- 5	5	S3	5.0			SP	Medium de	ense red	-brown poorly-graded \$	SAND,	no odor, moist		•		5	45	50		, Ť			-
4	12 12	9	7.0									12			H							
	12																					
	15 15	S4 9	7.0 9.0	l B		SW- SM	Medium de	ense wel	ll-graded SAND with si	lt and g	gravel, no odor, dry		5	20	20	20	25	10	(e)	*	*	: <u>•</u> :
	12 16		9.0	ALLI		0.,,																
-				NST																		
-10 -		U		WELL INSTALLED		_					_								1			
	6 8	\$5 9	10.0 12.0	NO W		GP	wet	ense red	-brown poorly-graded (	3KAVE	th with sand, no od	or,	40	20	15	10	10	3				10.53
8	10 11			Ž																		
									×													
.																						
.																						
											:t											
- 15 -	4	S6 11	15.0			SP-			poorly-graded SAND w	ith silt a	and gravel, layers o	f fine	٠	20	35	20	15	10	12	3		
41	5	11	17.0			SM	gravel, no	odor, w	/et													
	4																					
									-GLACIOFLUVIAL	DEPOS	PITS-											
							Note: San sampling	d runnir	ng into augers. Added	water a	nd redrilled prior to	•										
-20 -	32	S7	19.5	1			Similar to	<b>S</b> 6														
		Wa	ter Lev			11. 10.	\	Sa	mple Identification		/ell Diagram					-	ary					
Da	ate	Time	Elaps Time (	hr 1	Bottom	th (ft. Botto	m Water		Open End Rod	置	Riser Pipe Screen								21.5			
0.2	5-06	1010		101	Casing 9.0	of Ho	AG	T U	Thin Wall Tube Undisturbed Sample	n q 2	Filter Sand Cuttings	Ro- Sai			red	(lin	ı, ft. 7.		•			
y-2:	J-00	1010			7.0	9.0	1,3	s	Split Spoon	2.0	Grout Concrete	Bo	_		N/	_			B9			
r-1-	NA TAC	ho:		Dilat	ancy:	R-F	Rapid, S-SI	G nw N-	Geoprobe None Plas	ticity:	Bentonite Seal	ow M	-Mi	edi	ım	H-	Hio	h	_			_
	eld Tes	ts; noler bla	us nor 6	Toug	hness	1-1	ow. M-Me	dium I	H-High Dry determined by direct obse	Strengt	th: N-None, L-Lo	w. M-	Me	din	m.	H-1	High	i. V	-Ve	γH	igh	_
- GP	, - Sal								anual methods of th							ch,	Inc					

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:333743000/DATABASES\33743000TB,GPJ Nov14, 06

X	ALEY & DRIC	Šz H					TEST BORING REPORT	F	ile	No		337		9 000 f 2			
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse		e e	% Medium	% Fine	% Fines		Toughness 😇	Plasticity et	
- 20 -	25 23	16	21.5		100.0		-GLACIOFLUVIAL DEPOSITS-										
					108.9 21.5		Bottom of exploration at 21.5 ft										
*sp																	

USCSUBAGLE USCS\_TESGEDT G:037430000DATABASES03743000TB.GPJ Nov 14, 06

SPT = Sampler blows per 6 in. <sup>2</sup>Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.

Proj Clie	nt							Sheet No. Start	33743	3-000 2 mbe:	r 25	, 200	
			C	asing	San	npler	Barrel	Barrier Francisco de Albarra de Carriera	м. G			, 200	,
Туре	=====			HSA	9	SS	_	Rig Make & Model: Truck mounted B53 H&A Rep.					
		meter (i		4		3/8		Bit Type: Cutting Head Elevation		.62			
		Veight (i	·	9		40		Drill Mud: None Datum	See P	VD lan	88		
		all (in.)		2		80	-	Casing: Spun Hoist/Hammer: Winch / Safety Hammer	300 1	1411			
			<u> </u>	TE		_		Gravel San		L	-	Test	ŧ
£.		(F)	a €	agra	Dep	Symbol	\	/isual-Manual Identification and Description	00 8	g Ş	ress	≥.	
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	nscs (	(Densit	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², addr., moisture, optional descriptions, geologic interpretation)	% Fine	Dilatancy	Toughness	Plasticity	
0 -				3		5	structure, c		000		F	=	=
	14 31	S1 7	0.0		129.3 0.3	sw	Dense bro	-BITUMINOUS CONCRETE (4 in.)- wn well-graded SAND with gravel, no odor, dry	30 -	1	-	-	
	19 23		-,-				Delise of	will well-graded drift be with gravet, no oddy, dry					
	29	S2	2.0	4			Similar to	S1, except medium dense					
	17	7	4.0				Silinar to	51, except inculum delise					
	19 22							-FILL-					
				-	125.6 4.0	-		-FILL-	$\sqcap$	+		$\Box$	
- 5 -				4			<b>N</b> T	.					
	21 29	S3 0	5.0 7.0				No recove	<sup>ry</sup>					
	22 11					12							
	14	S4	7.0	-	ľ	GM	Medium d	ense red-brown silty GRAVEL with sand, no odor, wet 30 20 15 10	10 1:	5 -			
	15	3	9.0			J.	1110010111110	onder too brown only order 22 min outling the brown, the					
	16 11			FAL									
				- IS									
-10 -		05	10.0	NO WELL INSTALLED		1770	Y	brown well-graded SAND with gravel, thin layer of coarse - 20 25 30	20 5	١.	1.70		
	2 2	S5 8	10.0 12.0	≱		SW	sand, no o	Die international distriction of the control of the			lie.c	(3576)	
	3 5			Ž									
-15 -	5 6 8 8	\$6 7	15.0 17.0			sw	Medium d	ense red-brown well-graded SAND with gravel, no odor, wet 25 20 20 15	15 5		=:		
	eate 25-06	Wa Time	ter Le Elap Time	sed_		oth (ft. Botto of He 22.	Water	U Undisturbed Sample  Cuttings  Grout  Samples	ı. ft.)	22.0			
								G Geoprobe Bentonite Seal		B1	0		
Fie	eld Tes	sts:	.1	Dila	lancy: ghness	R-F	Rapid, S-S	low, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H- dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-	-High High	V-\/	erv F	ligh	
TSP	T = Sa	mpler blo	ws per	6 in.	<sup>2</sup> Ma	ximum	particle size	(in,) is determined by direct observation within the limitations of sampler size.  Signal-manual methods of the USCS as practiced by Haley & Aldrich,		- V.	-1-5-6-		

HA AL	LEY & DRIC	ž H E					TEST BORING REPORT	F	ile	No	).	337		000 f 2		
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	Gr	ave	ı I	% Medium	nd		Fie	Sseudino	Plasticity e
വ് 20 -	6	S7	20.0	We	ığ∉;	Sn NS	Loose red-brown well-graded SAND with silt and gravel, thin layer of	1	7			% 20				- Pla
	4 4 6	20	22.0				silt and a layer of coarse sand, no odor, wet									
			-		107.6 22.0		-GLACIOFLUVIAL DEPOSITS- Bottom of exploration at 22,0 ft	-		H				1	1	
							o.									
	į															
							a									
														ł		
							1						Ì			
										1						
							Fig. (48)									
									L							
¹SPT	= Samp	ler blows	per 6 in.	<sup>7</sup> Max	dmum p	article	size is determined by direct observation within the limitations of sampler size.	1	Bo	rin	g N	lo.		B1	0	

HALEY ALDRIC	& .H					TEST	BORING REPORT  Boring No. B11	
Project Client Contracto					_	Manchester,	, Connecticut File No. 33743-000 Sheet No. 1 of 2 Start September 25,	
		Cá	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September 25, Driller M. Glynn	2000
уре		E	ISA	S	SS	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi	
nside Dia	meter (iı	n.)	4	1 :	3/8	5	Bit Type: Cutting Head Elevation 129.57 Drill Mud: None Datum NAVD 88	
lammer \	Neight (I	lb.)	<u>=</u>	1.	40		Casing: Spun Location See Plan	-
lammer f	Fall (in.)			1	30		Hoist/Hammer: Winch / Safety Hammer	
2	N.C.	£	gram	pth	Symbol	\	Field Gravel Sand Field Gravel F	$\neg$
Depth (ft.)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Sy	(Densit	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², ador, moisture, optional descriptions, geologic interpretation)	Plasticity
0 - 4 10 15 17	S1 13	0.0 2.0			sw	Medium de	ense red-brown well-graded SAND with gravel, no odor, dry - 20 30 30 15 5	:=);
14 15 16 18	S2 13	2.0				Similar to	\$1   5   15   30   30   15   5   -   -	· 41
5 9 7 7	S3 14	5.0 7.0			sw	Medium d	ense red-brown well-graded SAND, no odor, wet 5 5 10 40 35 5	
8 4 6 6	\$4 19	7.0 9.0	ALLED			Similar to	S3	
6 12 13 12	\$5 15	10.0 12.0	NO WELL INSTALLED		SM	Medium de	ense red-brown silty SAND, no odor, wet, some laminations - 5 10 15 50 20	(建)
7 7 7 10 9	\$6 15	15.0			sw	Medium de	ense red-brown well-graded SAND, no odor, wet	·
Date 9-25-06	Wa Time	ter Lev Elaps Time (l	ed hr.) B		th (ft. Botto of Ho	water Water	-GLACIOFLUVIAL DEPOSITS-  Sample Identification Well Diagram Summary  O Open End Rod T Thin Wall Tube U Undisturbed Sample C Streen Filter Sand C Cuttings Samples 7S  Grout	
							S Split Spoon G Geoprobe Concrete Bentonite Seal Boring No. B11	
Field Te	sts:		Dilata	incy:			Ow, N-None  Plasticity: N-Nonplastic, L-Low, M-Medium, H-High  Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High	ah.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:037430000DATABASES03743000TB,GPJ Nov 14, 06

HA AL	LEY & DRIC	& H ≡					TEST BORING REPORT	F	ile	No	١.	337		11 000 f 2		
Depth (ft.)	SPT¹	Sample No. 8 Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	eve	1	San	d		F	Toughness @	Plasticity ed
凸 20 -				×e	110 €	nsc		%	%	%	%	%	%	iii	To To	<u>P</u>
	10 8 9	S7 11	20.0 22.0				Similar to S6									
	úı				107.6		-GLACIOFLUVIAL DEPOSITS-	L	L							
					22.0		Bottom of exploration at 22.0 ft									
															-	
							Al-									
3																
							· ·									
							Α									
							a <sub>e</sub>									
							VEC -									
loor	= Samo	ler blows	ner 6 in.	2Max	dmum p	article	size is determined by direct observation within the limitations of sampler size,	÷			g N		- 1	R	' 11	

Proj Clie Con	nt	Prop Seab	Tritte	EATH			Aanchest <b>e</b> r	r, Connecticut File No. 33743-000 Sheet No. 1 of 2 Start September	25, 2
			С	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September Driller M. Glynn	25, 2
Туре			1	ISA	5	SS	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi	
Insid	e Diar	neter (i	п.)	4	1	3/8	-	Bit Type: Cutting Head Elevation 130.40 Drill Mud: None Datum NAVD	00
Ham	mer V	Veight (	ib.)	ž	I	40	-	Drill Mud: None Datum NAVD Casing: Spun Location See Plan	50
Ham	mer F	all (in.)		::	3	30	-	Hoist/Hammer: Winch / Safety Hammer	
<u></u>		9€	T -	3	듐	log.			ield Te
ћ ( <del>I</del>	_	ple p	ple H (#	Diagr	/Deg	Sуmbol		ty/consistency, color, GROUP NAME, max. particle size <sup>2</sup>	ness vity
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS	(Densit structure, o	Visual-Manual Identification and Description  ty/consistency, color, GROUP NAME, max. particle size², odor, moisture, optional descriptions, geologic interpretation)	Toughness
0 -	15	S1	0.0		130.1			BITTIMINOUS CONCRETE (4 in )-	
	29 30	10	2.0		0.3	GM	Very dens	se red-brown sandy GRAVEL, no odor, dry	
	25								
	21	S2 12	2.0	1			Similar to	sı	
	15 16	12	4.0		127.4	sw	\	-FILL- / - 10 60 25 5 -	
	15						Dense red-	-brown well-graded SAND, no odor, moist	
ا ر									
5 -	5 5	\$3 10	5.0 7.0	1			Similar to	S2 (below 3.0 ft), except medium dense, wet	
	7	10	7.0						
	9	6.1				0.5			
	9 10	\$4 4	7.0 9.0	日		SP- SM	Medium d odor, wet	dense red-brown poolry-graded SAND with silt and gravel, no 10 10 15 25 30 10 -	
	11 9			ALL					
				INS					ľ
10	14	S5	10.0	NO WELL INSTALLED		SP	Very dens	se red-brown well-graded SAND, no odor, wet	
	30	7	12.0	10 %		J.	very delis	ic lea-olowii well-gladed of the b, no odor, wet	
	32 8			~					
-15 -	3	S6 14	15.0	1		SP	Medium d	dense red-brown poorly-graded SAND, no odor, wet	2 3
	7	14	17.0						
	8								
							Į.		
							)	CI ACIOPI INNAL PEROPES	
20 -		1		<u> </u>		<u> </u>		-GLACIOFLUVIAL DEPOSITS-	
		Wa	ter Lev			th (ft.	) to:	Sample Identification Well Diagram Summary	-
Da	ate	Time	Elaps Time	hr 1	Bottom Casing	Botto	Mator	O Open End Rod Screen Overburden (III. It.) 22.0	
9-2	5-06	1550		Of	15.0	of Ho	ile .	U Undisturbed Sample Cuttings Samples 7S	
								S Split Spoon Grout Concrete Boring No. B1:	,
							Rapid, S-S	G Geoprobe Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	

H/ Ai	ALEY & DRIC	%c H					TEST BORING REPORT	F	ile	No		337	B: 43-	000			
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	1	99	% Medium is		% Fines		Toughness e	Plasticity 67	
<u>~</u> 20 -	12 9 24 22	S7 24	20.0 22.0	Wel	108.4 22.0	)Sn	Similar to S6, except dense  -GLACIOFLUVIAL DEPOSITS- Bottom of exploration at 22.0 ft	%	1%	%	%	%	%	Diik	Δ,	Pla	
'spT NO	r = Samı TE: So	pler blows	s per 6 in.	<sup>2</sup> Ma)	dimum P	article al-ma	size is determined by direct observation within the limitations of sampler size.		Во	prin	g N	lo.		В	12		

Proje Clier Con	nt	Propor Seab				_	Ianchester,			
			Ç	asing	San	npler	Barrel	Drilling Equipment and Procedures Driller F. Har	rington	
Туре			F	ISA	S	S		Rig Make & Model: Truck mounted B53 H&A Rep. M. Pa		_
insid	e Diar	neter (iı	n.)	4	1	3/8	-	Bit Type: Cutting Head Elevation 129.  Drill Mud: None Datum NA	75 /D 88	
Ham	mer V	Veight (I	lb.)		1	40	-	Casing: Spun Location See Pla	ın	-0
Ham	mer F	all (in.)		-	] 3	0	-	Hoist/Hammer: Winch / Safety Hammer		
£		Sample No. & Rec. (in.)	£.	gram	Elev./Depth (ft.)	Symbol	\	Gravel Sand   Gravel Sand	Field T	
Depth (ft.)	<u> </u>	nple ec.	Sample Depth (ft.)	Well Diagram	ď	S Sy	(Densit	/isual-Manual Identification and Description  //consistency, color, GROUP NAME, max. particle size², dor, moisture, optional descriptions, geologic interpretation)	Dilatancy	Plasticity
	SPT	Sar	Sar	Well	(£)	nscs	structure, c	dor, moisture, optional descriptions, geologic interpretation)	Tog I	Plas
- 0 -	10 13 16 16	\$1 16	0.5 2.5			SP- SM	Medium de	ense red-brown poorly-graded SAND with silt, no odor, moist - 5 10 40 35 10		30(1)
	10	S2	2.5	-			Similar to	SI III		
	8 5	3	4.5			- 3				
	4									
- 5 -	3	S3	5.0	1			Similar to	S2, except very loose		
	1	3	7.0							
	1			Į	122.8					
	3	S4 6	7.0 9.0	Ą	7.0	SP- SM	Loose red-	brown poorly-graded SAND with silt, no odor, wet - 10 20 50 10 10		•
	5 6			INSTALLED						
-10 -	5	S5	10.0	ELL			Similar to	S4		
	3 3	5	12.0	NO W						
- - 15	8 8 7 8	\$6 20	15.0	NO WELL			Medium d	ense red-brown silty SAND with gravel, no odor, wet 5 10 20 30 20 15		
-					111.8 18.0					
								-GLACIOFLUVIAL DEPOSITS-		
- 20 -		14/-	tor! r	(cl.D.	1					=
D.	ate		Elaps	ed	Dep	th (ft.		O Open End Rod Riser Pipe Overburden (lin. ft.)	22.0	
יייי	ate	Time	Time		Bottom Casing	of Ho		T Thin Wall Tube Fitter Sand Rock Cored (lin. ft.)	-	
9-2	8-06	0900			22.0	22.0	7.0	U Undisturbed Sample Cuttings Samples 7S  Country Special Sample Grout		
								S Split Spoon G Geoprobe Concrete Bentonite Seal Boring No.	B13	

A	IALEY LDRIG	&± `H			-		TEST BORING REPORT	F	ile	No		337	743-	13 000 f 2			
Depth (ft.)		Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size², structure, odor, moisture, optional descriptions, geologic interpretation)	_	ave	gg gg	San	d			Toughness e	Plasticity al	
G:\u00c43743\u000DATABASES\u00c43743000TB,GFJ Nov14,06		aldmes Sample	9) thded 20.0 22.0	Well Diag	107.8 22.0	USCS Syl		S Coars	-	+	% Mediu	-	7.7.	Dilatancy	Toughnes	Plasticity Plasticity	Strength
USCSLB4 GLB USCS_TB5.GDT G:93743W00VD.							ą a										

<sup>1</sup>SPT = Sampler blows per 6 in. <sup>2</sup>Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc. Boring No.

HA AL	ALEY ( DRIC	& H			-		TEST	BORING REPORT	No.		B14	
Proj Clie Con	nt	OF H	Eilen	vets.	like.	-	Manchester,	Connecticut File No. Sheet N. Start	o. 1 of Sept	embei	26,	2006
			C	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish Driller	_	embei arring		2006
Туре			-		_	SS		Rig Make & Model: Truck mounted B53 H&A Re			,(011	
Insid	te Diar	neter (i	n.)	4	1	3/8		Bit Type: Cutting Head Elevatio		9.75 AVD	88	
Ham	mer V	Veight (	lb.)	•	1	40	•	Diminard. Mone			00	
Ham	mer F			-		80	1.00	Hoist/Hammer: Winch / Safety Hammer				
Œ.		Š.	£.	gram	epth	mbol	\	<del></del>	Sand		S	Test
Depth (ft.)	SPT¹	Sample & Rec.	Sample Depth (	Well Diag	Elev./De (ft.)	USCS Sy	(Density structure, d	risual-Manual Identification and Description    Street   Street	% Medium % Fine	% Fines Dilatancy	Toughness	Plasticity Strength
- 0 -	10	S1	Casing   Sampler   Barrel   Drilling Equipment and Provided   Sampler   Sampler   Cutting Head   Drill Mud: None   Casing: Spun   Hoist/Hammer: Winch / Safety Han   Sampler				50 30					
	1 i 14	15	Proposed Retail Building Manchester, Connecticut    Casing Sampler Barrel Drilling Equipment and I   Proposed Retail Building Manchester, Connecticut   Casing Sampler Barrel Drilling Equipment and I   Proposed Retail Building   Proposed				×					
21	26 33 29	S2 8					Similar to	S1, except quartz fragment in spoon tip, M.C.=3.2%				
	15 15											
- 5 -												
	6 7 10 13				SP	Medium de	nse red-brown poorly-graded SAND with gravel, moist 10 5 20	35 30				
	4	Casi	1		SP	Medium de	nse red-brown poorly-graded SAND, wet - 5 30	40 30		•		
	7	4	KSTALLEI				*					
-10 -				WELL II			No recover	у				
	12		12.0	2						1		
	1			1		-		-GLACIOFLUVIAL DEPOSITS-  Bottom of exploration at 12.0 ft	++			+
		Wa				th (ft	) to:	TTT Disco Ding	nmary	1.7		
	ate 6-06	te Time Elapsed Time (hr.				Botto of Ho	Water	T Thin Wall Tube Screen Filter Sand Rock Cored		-	,	
y-2	0-00				9.50		0.0	S Split Spoon Grout Concrete Boring No.		B14	‡	
Fie	eld Tes	ts:				R-F	Rapid, S-SI	bw, N-None Plasticity: N-Nonplastic, L-Low, M-Medium,	H-High			0.140
		npler blo	ws per 6	in.		L-l	ow, M-Me	flum, H-High Dry Strength; N-None, L-Low, M-Medium, (in.) is determined by direct observation within the limitations of sampler size.	H-High.	V-Ve	ry H	igh
_		No	te: So	il ide	ntifica	tion b	ased on vi	sual-manual methods of the USCS as practiced by Haley & Aldrid	h, Inc.			

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:037430000DATABASES003743000TB.GPJ

Nov 14, 06

HA	LEY & DRIC	Šz H					TEST	BORING REPORT  Boring No.	B15	
Proj Clie Con	nt	Proposed Retail Building   Manchester, Connecticut			fanchester.	Sheet No. 1 of 1 Start Septem				
			Ca	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish Septem Driller M. Gly		50
Туре	;		E	ISA	S	S	30)	Rig Make & Model: Truck mounted B53 H&A Rep. M. Par	di	
Insid	le Diar	neter (ir	n.)	4	1	3/8		Detune MAX	04 /D 88	
Ham	mer V	/eight (l	lb.)	2	1	40	· •	Location Con Dia		
Ham	mer F					0		Hoist/Hammer: Winch / Safety Hammer		_
£		N (-i)	£	gram	aptin	logi	\	/isual-Manual Identification and Description Gravel Sand	Field Tes	
Depth (ft.)	SPT1	Sample & Rec.	Sample Depth (	Well Diag	Elev./De (ft.)	USCS Sy	(Densit	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², ador, moisture, optional descriptions, geologic interpretation)	Dilatancy Toughness Plasticity	Strength
- 0 -	4	S1	0.0			SP	Dense red-	brown poorly-graded SAND, no odor, moist 5 45 45 5		
	18 13 14	14	2.0							
•	12						Similar to	S1, except medium dense		
-	9	15	4.0							
	9							×		
-5-	6						Similar to	S2		
-	9	'`	7.50							
-		Casing   Sampler   Barrel   Drilling   Sampler   Sampl						ense brown poorly-graded SAND, wet - 10 20 60 10 5		2
	9	S4 7.0 SP Medium dense brown poorly-graded SAND, wet						one stown poorly graded or the property of the		
				TAL						
				LIN						
-10 -	6		10.0	WEL			Similar to	S4		
.		24	12.0	NO						
								-GLACIOFLUVIAL DEPOSITS-		
					12.0			Bottom of exploration at 12.0 ft		
i n										
					2					
		Wa								
Da	ate	Time		hr I E	Bottom	Botto	Mator	O Open End Rod Screen Overburgen (IIn. 1t.)	2.0	
0.2	6-06			of	Casing		110	Tillor Carlo	-	
	V 00	-			S Split Spoon Grout Concrete Boring No.	 B1 <b>5</b>				
E:-	eld Tes	te.		Dilat	ancy:	R-F	Rapid S-SI	G Geoprobe Bentonite Seal Botting No.		-
		ts: npler blov	ws ner R	Toug	hness	L-I	ow. M-Me	dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V. (in,) is determined by direct observation within the limitations of sampler size.	-Very High	_
- 51	501	No	te: So	il ide	ntifica	tion b	ased on vi	isual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.		

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G433743000DATABASES33743000TB.GPJ Nov 14, 05

HALE ALDR	Y&: ICH					TEST	BORING REPORT  Boring No.	316	
Project Client Contrac	Prop ctor Seab	EDULO	well.		•	/anchester	, Connecticut  File No. 33743-000 Sheet No. 1 of 1 Start September	,	
		С	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September 1 Driller M. Glynn	20, 200	UU
Гуре		I	ISA	5	SS	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi		
nside D	iameter (i	n.)	4	1	3/8	*	Bit Type: Cutting Head · Elevation 130.92 Drill Mud: None Datum NAVD 8	8	
	r Weight (	lb.)	-		40	2	Casing: Spun Location See Plan		
-lammei	r Fall (in.)		-		30		Hoist/Hammer. Winch / Safety Hammer	-14 T	-
€	(in.)	(£)	gram	epth	Symbol	١	/isual-Manual Identification and Description	eld Test	Г
Depth (ft.)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS S	(Densit structure, c	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², odor, moisture, optional descriptions, geologic interpretation)	Toughness Plasticity	
6 8 19	15			sw	Medium de			-	
17 13 12	7 S2 3 16 2				Similar to	S1, except medium dense			
5 2	. S3	S3 5.0 12 7.0				Similar to	S1, except medium dense, wet	-	
6 8 8									
8 9 10 13	18	7.0 9.0	NSTALLED		SP	Medium do	ense red-brown poorly-graded SAND, no odor, wet	• •	
10 - 3 6 8		10.0 12.0	NO WELL INSTALLED			Similar to	S4		
9				118.9			-GLACIOFLUVIAL DEPOSITS-	$\perp$	
				12.0			Bottom of exploration at 12.0 ft		
		<u> </u>							_
Date	Time	ter Lev Elaps Time (	ed B		th (ft. Botto	m Motor	Sample Identification Well Diagram Summary  O Open End Rod Riser Pipe Screen Screen Rock Cored (lin. ft.) 12.0  T Thin Wall Tube Filter Sand Rock Cored (lin. ft.) -		
9-26-06		3		•	-VI FIC	5.0	U Undisturbed Sample Cuttings Samples 5S		
Field T	ests:		Dilata	ancv:	R-F	Rapid, S-SI	S Split Spoon G Geoprobe  S Split Spoon G Geoprobe  S Split Spoon Bentonite Seal  Ow, N-None  Plasticity: N-Nonplastic, L-Low, M-Medium, H-High		
	Sampler blov	NS DAY A	Toug	hness:	L-L	ow. M-Me	dium. H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Ven, (in.) is determined by direct observation within the limitations of sampler size.	/ High	_

USCS\_T64 USCSLIB4.GLB USCS\_TB5.GDT G:\G3743000!DATABASES\G374300TB.GPJ Nov.14, 06

HA AL	LEY & DRIC	ξ. H					TEST	BORING REPORT  Boring No.	B17	
Proje Clier Con			osed R			g M	lanchester,	Sheet No. 1 of Start Septe	3-000 1 ember 28, 200 ember 28, 200	
			C	asing	Sam	pler	Barrel	Drilling Equipment and Procedures Driller F. H.	arrington	
Гуре			F	ISA	s	S	*	Rig Make & Model: Truck mounted B53 H&A Rep. M. P		_
nsid	e Dian	neter (ir	1.)	4	13	3/8	-	Drill Mud: None Datum No	0.93 AVD 88	
		leight (l	b.)	300	1	10	*	Casing: Spun Location See F	'lan	
1am	mer F	all (in.)		- [ _ [		0	*	Hoist/Hammer: Winch / Safety Hammer  Gravel   Sand	Field Test	-t
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Densit	isual-Manual Identification and Description  //consistency, color, GROUP NAME, max. particle size², dor, moisture, optional descriptions, geologic interpretation)	% Fines Dilatancy Toughness Plasticity	
0 +	10 11 13 22	S1 18	1.0			SP- SM	Medium de	inse red-brown poorly-graded SAND with silt, moist 10 30 50 1	0	
	33 37 35 27	\$2 15	3.0 5.0			SP	Dense red-	brown poorly-graded SAND, moist		
5	11 7 10 8	S3 6	5.0 7.0			SP	Medium de	ense red-brown poorly-graded SAND, moist - 5 75 40 25	5	
	13 16 18 21	S4 6	7.0 9.0	STALLED		SP	Medium d wet	ense red-brown poorly-graded SAND with gravel, no odor,	5	
10 -	5 5 12 9	\$5 20	10.0	NO WELL INSTALLED			Similar to	54		
15 -	3 3 4 5	S6 20		113.9		Similar to	S5, except loose -GLACIOFLUVIAL DEPOSITS-			
Я					17.0			Bottom of exploration at 17.0 ft.		
	5-3-1	Wa	ter Lev			th m	\	Sample Identification Well Diagram Summary		_
D	ate	Time	Elaps Time	hr E	Dep Bottom Casing	th (ft. Botto	om Mentos	O Open End Rod  T Thin Wall Tube  Riser Pipe Screen Screen Filter Sand Rock Cored (lin. ft.)	17.0	
9-2	8-06	1000		Į.	45	-	7.0	U Undisturbed Sample S Split Spoon Cuttings Grout Concrete Boring No.	B17	
Fie	eld Tes	ts:		Dilat	ancy:	R-F	Rapid, S-S	ow. N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High		-
		moler blo	ws per 6	in.	<sup>2</sup> Ma	ximum	particle size	dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, (in,) is determined by direct observation within the limitations of sampler size, sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.	V-Very High	-

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:037430000DAYABASES103743000TB,GPJ

HA.	LEY & DRIC	J. H					TEST	BORING REPORT  Boring No.	B18	
Proj Clie Con	nt					_	/anchester	Sheet No. 1 of 1 Start Septem	000 ber 26, 20 ber 26, 20	
			Ca	asing	San	npler	Barrel	Drilling Equipment and Procedures Driller F. Harr		000
Туре			E	ISA	5	SS	:=8	Rig Make & Model: Truck mounted B53 H&A Rep. M. Par		
Insid	e Diar	neter (ii	1.)	4	1	3/8	320	Bit Type: Cutting Head Elevation 130.	81 'D 88	
Ham	mer V	/eight (	b.)		1	40		Casing: Spun Location See Pla		
Ham	mer F	all (in.)		-			:=0	Hoist/Hammer: Winch / Safety Hammer		
£		Š.E.	HSA SS - Rig Make & Model: Truck mounts Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety F Casing: Spun Hoist/Hammer: Winc				\	/isual-Manual Identification and Description	Field Te	1
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (	Well Diag	Elev./De (ft.)	USGS Sy		/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , ador, moisture, optional descriptions, geologic interpretation)	Dilatancy Toughness Plasticity	Strength
- 0 -	7 15 13	S1 11						ense red-brown poorly-graded SAND with silt and gravel, no 5 10 20 25 30 10 st		•
	30 34	\$2 3					Similar to	S1, except very dense		
-	28 20									
- 5	11 7	\$3 5				Similar to	S2, except medium dense			
	15 18	04	70			ew	Modium d	ense red-brown well-graded SAND, wet - 10 30 25 30 5		
	14 17 12 12	\$4 14		STALLED		2M	Medium d	ense red-brown well-graded SAND, wet		
-10 -	5 7	\$5 10		TO WELL IN	8		Medium d	ense red-brown poorly-graded SAND with silt, wet		
	9			2	118 8			-GLACIOFLUVIAL DEPOSITS-		
1								Bottom of exploration at 12.0 ft		T
•									2	
		102						Sample Identification   Wall Disease	u=_ {1	
		Time		ed	Dep			Riser Pipe Overburden (lin. ft.)	2.0	
	ate 5-06		he √ E	Soltom Casing			T Thin Wall Tube Filter Sand Rock Cored (lin. ft.)  U Undisturbed Sample Cuttings Samples			
الله: ر		150						S Split Spoon G Geoprobe G Geoprobe G Grout Concrete Bentonite Seal	318	
	ld Test			Toug	ancy: hness	1-1	ow. M-Me	ow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V	Very High	
'SP'	T = San	npler blow Not	vs per 6 te: So	in. il ide	-Ma ntifica	ximum tion b	particle size pased on vi	(in.) is determined by direct observation within the limitations of sampler size.  sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.		

USCS\_TB4 USCSLIB4.GLB USCS\_TB5,GDT G:\03743\000\DATABASES\u03743000TB.GPJ Nov.14,06

Ħ.	LEY & DRIC	3.5 FI					TEST	BORING REPORT	В	ori	ing	g N	lo.			B19	)	
Proj Clie Con	nt	Proper Seab	Bugin	101 L	In	-	Manchester,	, Connecticut	SI	art	t N	lo.	l c Sep	743- of 1 otem	ber	27		
			C	asing	San	npler	Barrel	Drilling Equipment and Procedures	1	nisi rille			-	Gly		21	, 20	UU
Туре	<del>-</del>		F	HSA	S	SS	-	Rig Make & Model: Truck mounted B53	Н	&A	Re		M.	Par	di			
Insid	le Diar	neter (ii	n.)	4	1	3/8	-	Bit Type: Cutting Head Drlll Mud: None		eva atui		'n		.31. VAV		88		
		/eight (l	lb.)	¥	1	40	20	Casing: Spun	-	ca	_	n		Pla				
Ham	Hammer Fall (in.) - 30 - Hoist/Hammer: Winch / Safety Hammer													,				_
£		N. Ü.	£	Tan	臣	Symbol	\	/isual-Manual Identification and Description	-	evel	-	Sar	_			ield		
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Sy	(Density structure, c	y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , dor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coars	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0 -	4 8 10	8 20 2.5 10 12 2.5 12 \$2 2.5				SP	Medium de	ense red-brown poorly-graded SAND, moist	-		10	40	50	,			3.50	•
		S2 24	2.5 4.5			SP	Medium de	ense red-brown poorly-graded SAND, moist	-	-	10	60	30			3.		
5 -	5 7 8 10	\$3 24	5.0 7.0				Similar to	S2, except wet										
	8 10 12 13	S4 18	7.0 9.0	NSTALLED			Similar to	S3										
10 -	5 11 12	S5 18	10.0 12.0	NO WELL INSTALLED			Similar to	S4	( <b>*</b> )			35	60	5	*	*		
	12				119.8	*		-GLACIOFLUVIAL DEPOSITS- Bottom of exploration at 12.0 ft	_	_	L	L	_	Ш	_	_		
															G:		•	
			ter Lev			eth (ft.	) to:	Sample Identification   Well Diagram   Riser Pipe   O				nom						
Di	ate	Time	Elaps Time (	he√ E	Bottom Casing	Botto of H	IN/ator	T Thin Wall Tube Screen U Undisturbed Sample Grout	erb ck mp	Cor les	red	(lin		) S	-			
								G Geoprobe Seal Bentonite Seal	rir				1.0		B19	)		-
	eld Tes			Toug	ancy: hness	: 11	_ow. M-Me	ow, N-None Plasticity: N-Nonplastic, L-Low, Modum, H-High Dry Strength: N-None, L-Low, M	-Me	diu	m.	H-1	High	n n. V	-Ve	ŊН	igh	_
SP	ı = Sar	npler blov No	ws per 6 te: Sc	oil ide	ntifica	tion t	ased on vi	(in.) is determined by direct observation within the limitations of sar isual-manual methods of the USCS as practiced by Hale	ey 8	Al	dri	ch,	Inc				200	

USCS\_TB4 USCSUB4.GLB USCS\_TB5.GDT G:Q3743000DATABASESG3743000TB.GPJ Nov14,06

Proj Clie Con	nt	Prop r Seab			Build ng, In	_	Manchester	, Connecticut	S	he tar	t		1 \$	3743 of epte	2 mbe	er 2'		
				Casin	g Sa	mpler	Barrel	Drilling Equipment and Procedures		inis rille				сріс . На				, (
Турє	•			HSA		SS	+ -	Rig Make & Model: Truck mounted B53	H	8,4	R	ep.		1. Pa				
insid	le Dia	neter (i	n.)	4		3/8	-	Bit Type: Cutting Head				on		130 NA	0.09			
Ham	mer V	Veight (	lb.)	22		140	- 2	Drill Mud: None Casing: Spun	-	_	ım atic	on	Si	e P		00	_	-
Ham	mer F	all (in.)		-		30	-	Hoist/Hammer: Winch / Safety Hammer										
_		9€		a u	Æ	Jog g		/isual-Manual Identification and Description	Gra	T	-	_	and	1	_	Fiel	-	ē
Depth (ft.)	÷	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth	Symbol			Coarse	4	2 8	% coarse	% Medium	g   g	2 2	Toughness	1	200
Dept	SPT1	Sam & Re	Sam	Vell [	E G	USCS	(Densit	y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , odor, moisture, optional descriptions, geologic interpretation)	ပိ	% Fina		3 : 8 :	W W	% Fine	Dilatancy	ond	Diapticity	Jasin
- 0 -				É		SP	Međium d	ense red-brown poorly-graded SAND	12	-	+	0 5	+	-	-	+	-	<u>-</u>
	12	S1	0.5							l	100							
	15 21	18	2.5															
	22		2.5	_			Cie-ii	Cl. accept decree										
	25 20	S2 18	2.5 4.5				Similar to	S1, except dense										
	19 25	19 25																
- 5				1														
3	12 15	S3 18	5.0 7.0				Similar to	S2, except moist and medium dense										
	17	"	"															
	"     "							-		1	1	0 5	0 5		-	-		
	8	20	9.0	<u> </u>	"	, J 3F	iviedium d	ense reu-brown poorty-graded SAMD, wet	8			"	1	7			1	1
	8 11			TAL														
				A SA					7									
-10 -	3	S5	10.0	NO WELL INSTALLED			Similar to	S4, except loose										
	3	5	12.0	NO.														
	6																	
											1							
-15 -											k							
.*	6 10	S6 20	15.0 17.0			SP- SM	Medium d	ense red-brown poorly-graded SAND with silt, wet	*	-	1	0 30	5	0 10		-	-	ć
	6 9						+											
		-		+														
								-GLACIOFLUVIAL DEPOSITS-										
- 20 -		Wa	ter Le	vel D	ata		<u></u>	Sample Identification   Well Diagram	<u></u>		Si	ımr	na	v	1	1	1_	=
Dr	ate	Time	Elap	sed_	De	pth (ft		O Open Fod Rad Riser Pipe O	verb	υr					22.	0		-
		.,	Time		Bottom f Casin			T Thin Wall Tube	ock					-	-			
9-2	7-06				•	1.5	7.0	Grout	amp	les	_			7S				-
									orin	ıg	N	0.			B2	0		
Fie	ld Tes	ls'		Dila	tancy:	R-	Rapid, S-S	ow, N-None Plasticity: N-Nonplastic, L-Low, I	V-Me	edi	um	, F	1-1-1	igh	-	-	ligh	-

HAL	LEY & ORICH		P-07-1				TEST BORING REPORT	F	ile	No		33	743	3 <b>20</b> -000	)		
Depth (ft.)	SPT'	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size², structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	avel	ge	Sar	ıd		F	Toughness 🚊	Plasticity et	
19Q	6 10 18 21	S7 24	20.0 22.0	Wei	109.1 21.0 108.1 22.0	SM I	structure, odor, moisture, optional descriptions, geologic interpretation)  Medium dense red-brown silty SAND, wet  Very stiff red-brown SILT, no odor, wet  -GLACIOFLUVIAL DEPOSITS-  Bottom of exploration at 22.0 ft	0%	3%	0%	25	60	15 100	8	Toug		S. C.
																8	

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCSLIBAGLE USCS\_TBS.GDT G;33743000DATABASES33743000TB.GPJ Nov14, 06

HALE) ALDRI	γ&z ICH					TEST BORING REPORT		В	or	ing	j N	lo.			B21	I	
Project Client Contract		oosed F	MIKE		emusielle.	SI	art	t N	0.	1 o Sep	f 2 oten	ıber	27				
		С			nis rille			_	ten Gly	ıber ınn	27,	, 20	06				
Туре		1	ASE	5	SS	Rig Make & Model: Truck mounted B53	_						Pai				
nside Di	ameter (	in.)	4	1	3/8	Bit Type: Cutting Head			leva atu		n		30.	72 VD -	00		
Hammer	Weight	(lb.)	41	1	40	Drill Mud: None Casing: Spun		-	oca		1	_	Pla	_	00		_
Hammer	Fall (in.)		÷	3	30	- Hoist/Hammer: Winch / Safety Hammer											
<b>a</b>	mer Weight (lb.) mer Fall (in.)  - 30  - Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. partic structure, odor, moisture, optional descriptions, geologic into structure, odor, moisture, optional descriptions, geologic into S1 10 10 10 11 10 10								ve	1	San	id		F	ield ග	Tes	şt
Depth (ft.) SPT <sup>1</sup>	ple ec. (	dr free free	Diag	/De	Syn		7	% Coarse	Fine	% Coarse	% Medium	ne	Fines	they	Toughness	eş.	4
SP1	10 S1 0.5 18 18 2.5 SP Dense red-brown poorly-graded SAND, dry										WW%	% Fine	% Fi	Dilatancy	Toug	Prasticity	Ctronoth
0 -			Ħ				<u></u>	F	F	F	H				Ė	Ë	Ě
18 26	18											50	5 <b>.</b> 23	,	5		2
	36   15   4.5																
38	38 4.5																
	23 S3 5.0 SP Very dense red-brown poorly-graded SAND with gravel, wet (																
5 23 49 59 33	6	5.0 7.0			SP	Very dense red-brown poorly-graded SAND with gravel, well sandstone fragments in spoon)	(several	20	5	25	25	20	5	*		-	*
19		7.0	┨ .		SM	Dense red-brown silty SAND, wet				20	30	30	20				
25 16 10		9.0	STALLED														
10 6 20 18 16		10.0 12.0	NO WELL INSTALLED			Similar to S4, except medium dense	v			11							0
15 6 14 13 12	5 6 S6 15.0 SP- Medium dense red-brown poorly-graded SAND with silt and gradium dense red-brown poorly-graded SAND with silt and graduum dense red-brown poorly-graduum dense red-brown poorly-graduum dense red-brown poorly-										30	10	10	7.1		•	*
20						-GLACIOFLUVIAL DEPOSITS-											
	Wa	ter Lev		_	41. 42.	Sample Identification Well Diagram			7	Sur	nm	ary					
Date	Time	Elaps Time (	ed B	ottom	th (ft.)	Water Screen	100	erb			•	•	_	2.0			
9-26-06 7.0 U Undisturbed Sample Smut										ed	(lin	. ft.) 73		-			
> 20-00					1.55	S Split Spoon Grout Concrete	Вс	mp! orin		No	).	/1		B21			_
Field Te	ests:		Dilata		R-R	pid, S-Slow, N-None Plasticity: N-Nonplast	Seal   ic, L-Low, N	1-Me	dit	m,	H-	Higi	1		_		_
			Tough	ness:	L-L	w, M-Medium, H-High Dry Strength; N-None article size (in.) is determined by direct observation within the lim	L-Low, M	-Me	diu	m.	H-H	ligh	. V	-Ver	νH	igh	200

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:\u3743\u000\DATABASES\u33743\u0000\DATABASES\u3743\u0000\DATABASES\u0000\DATABASES\u0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U000\U000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U000\U000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U0000\U000\U0000

H	ALEY & DRIC	Š H	2				TEST BORING REPORT	F	ile	No	).		743-	321 -000 of 2			
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size², structure, odor, moisture, optional descriptions, geologic interpretation)	e e	% Fine	e e	% Medium	_	% Fines		Toughness @	Plasticity al	Strength
<u>Q</u> -20 -	6 7 13 14	S7 13	20.0 22.0	M	108.7 22.0	SP-SM	Medium dense red-brown poortly-graded SAND with silt and gravel, wet  -GLACIOFLUVIAL DEPOSITS-  Bottom of exploration at 22.0 ft		10	10	30	40	10				
							* *										

USCS\_TB4 USCSUB4.GLB USCS\_TB5 GDT G:03743000UDATABASESU3743000TB.GPJ Nov 14,08

'SPT = Sampler blows per 6 in. <sup>2</sup>Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.

**B21** 

HA AL	ALEY o DRIC	Se H				Đ.	TEST	BORING REPORT  Boring No.	B22	
Proj Clie Con	nt	Prop r Seab				_	, Connecticut  File No. 33743-000 Sheet No. 1 of 2 Start September	27, 200		
			C	asing	San	npler	Drilling Equipment and Procedures Finish September Driller M. Glynn	27, 2000	0	
Туре	;		F	ISA	5	SS	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi		
		meter (i Veight (		4		3/8 40	F #	Bit Type: Cutting Head Drill Mud: None Casing: Spun  Elevation 130.89 Datum NAVD Location See Plan	88	
Ham	mer F	all (in.)		-		30	-	Hoist/Hammer: Winch / Safety Hammer		
Depth (ft.)	T.	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol		/isual-Manual Identification and Description	Toughness leid	
	SPT	San R R	San	Well	(F)	y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , soldor, moisture, optional descriptions, geologic interpretation)	Toughnes Plasticity	Strength		
- 0 -	19 23 27 22	S1 18	0.5 2.5			10 50 40		ē.		
	27 50/4	\$2 12	2.5 4.5			S2, except very dense				
- 5 -	19 28 37 42	S3 18	5.0 7.0			S2				
	50/5	\$4 15	7.0 9.0	а	400.0		Similar to	S3, except wet	3	
8			9.0	ALLE	122.9 8.0			-POSSIBLE FILL-		
-10 -	7	S5	10.0	WELL INSTALLED		SP	Medium de	ense red-brown poorly-graded SAND, wet		
e:	7 8 7	10	12.0	NO W		51	w.colum do	Sise rea-stown poorly-graded or in 5, wer		
- 15	7							SS		
20 -								-GLACIOFLUVIAL DEPOSITS-		
	, T		ter Lev Elaps	ed	Dep	th (ft.		Sample Identification   Well Diagram   Summary   O Open End Rod   Riser Pipe   Overburden (lin. ft.) 22.0		
	ate 7-06	Time	Time (I		T Thin Wall Tube U Undisturbed Sample Cuttings Grout  Coverbuider (iii. it.) 22.0  Rock Cored (lin. ft.) -  Samples 7S					
								G Geoprobe Concrete Bentonite Seal Boring No. B22		
	eld Tes				hness:	1-1	ow M-Mei	ow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Ve	y High	
'SP	T = San	npler blov Not		in.	<sup>2</sup> Ma:	ximum	particle size	(in,) is determined by direct observation within the limitations of sampler size, sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.		

USCS\_TR4 USCSLIB4GLB USCS\_TB5.GDT G:03743000DATABASES03743000TB.GPJ Nov.14, 06

Boring No. HALEY & ALDRICH **TEST BORING REPORT** File No. 33743-000 Sheet No. 2 of 2 Sand Sample No. & Rec. (in.) Field Test Elev./Depth (ft.) USCS Symbol Well Diagram Sample Depth (ft.) Depth (ft.) Visual-Manual Identification and Description % Coarse % Fine % Coarse % Medium Toughness Dilatancy % Fines Plasticity Strength % Fine SPT (Density/consistency, color, GROUP NAME, max. particle size<sup>2</sup>, structure, odor, moisture, optional descriptions, geologic interpretation) -20 20.0 S7 20 Similar to S6, except very dense 22 41 22.0 52 44 -GLACIOFLUVIAL DEPOSITS-108.9 22.0 Bottom of exploration at 22.0 ft SPT = Sampler blows per 6 in. 2 Maximum particle size is determined by direct observation within the limitations of sampler size.

NOTE: Soll Identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Nov 14, 06 G:\33743000DATABASES\33743010TB.GPJ USCSLIB4 GLB USCS\_TB5.GDT

USCS TB4

Boring No.

**B22** 

HAL	EY & RICI	Σ Ή					TEST	BORING REPORT  Boring No.	B23	3	
Projec Client Contra			osed R				Aanchester	File No. 33743-00 Sheet No. 1 of 1 Start September	ег 26		
			Ca	sing	San	npler	Barrel	Drilling Equipment and Procedures Finish September Driller F. Harrin			00
Гуре			E	ISA	S	SS		Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi	_		_
nside	Dian	neter (i	n.)	4	1 :	3/8	*	Bit Type: Cutting Head Elevation 132.06 Drill Mud: None Datum NAVE			
lamm	er W	eight (	lb.)	*	1.	40	Casing: Spun Location See Plan				
lamm	er Fa	all (in.)		-	1	80	-	Hoist/Hammer: Winch / Safety Hammer			
£		(j. )	. £	gram	Elev./Depth (ft.)	Symbol	\	Visual-Manual Identification and Description	Field		Г
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Visual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², odor, moisture, optional descriptions, geologic interpretation)	Toughness	Plasticity	Chronoth			
	11 10 10 12	S1 18	0.5 2.5		ense red-brown poorly-graded SAND, moist 10 80 15 5 -		•				
	12 12 13 18	S2 18	2.5 4.5		S1						
5	6 7 7 9	\$3 16	5.0 7.0			ense red-brown poorly-graded SAND, wet					
	7 14 12 13	S4 24	7.0 9.0	NSTALLED		ense red-brown sandy SILT			-		
10 -	2 2 3	\$5 24	10.0 12.0	NO WELL INSTALLED			Similar to	S4, except loose			
_	6				120.1 12.0			-GLACIOFLUVIAL OUTWASH- Bottom of exploration at 12.0 ft	$\perp$		_
							-	Bottom of exploration at 12.0 ft		*	
<u> </u>							L				
Date	•	Wa Time	Elapse Time (l	ed B		th (ft. Botto	Mator	Sample Identification Well Diagram Summary  O Open End Rod Riser Pipe Screen Screen Rock Cored (lin. ft.) 12.  T Thin Wall Tube Filter Sand Rock Cored (lin. ft.) -	0		
9-26-0	)6				-		5.0	U Undisturbed Sample Cuttings Samples 5S			
E(a)a	Total			Dilata	nucv.	D.F	Panid S.SI	S Split Spoon G Geoprobe  Sow, N-None  Concrete Bentonite Seal  Day M-Medium, H-High	3		
rield	Tests	3:			nness:	L-1	ow. M-Me	dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High V-V. (in.) is determined by direct observation within the limitations of sampler size.	ery H	igh	_

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:037430000DATABASES03743000TB GPJ Nov.14,08

H/AI	ALEY ( DRIC	& H				BORING REPORT Boring No.	B24			
Proj Clie Con		Stini	Emp			File No. 33743-000 Sheet No. 1 of 1 Start September	26, 20			
		Casing Sampler Barrel Drilling Equipment and Procedures  HSA SS - Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. partic structure, odor, moisture, optional descriptions, geologic in  SP Medium dense brown poorly-graded SAND with gravel, dry  Medium dense red-brown poorly-graded SAND with silt and Wet  Medium dense orange brown well-graded SAND with silt and Wet  Medium dense orange brown well-graded SAND with silt and Wet  Medium dense orange brown well-graded SAND with silt and Wet  Medium dense orange brown well-graded SAND with silt and Wet  Medium dense orange brown well-graded SAND with silt and Wet  Medium dense orange brown well-graded SAND with silt and Wet  Medium dense orange-brown silty SAND with gravel, wet				Drilling Equipment and Procedures Driller F. Harring				
Туре	e	Casing Sampler Barrel Drilling Equipment and Procedures  HSA SS Rig Make & Model: Truck mounted B53  Bit Type: Cutting Head  Drill Mud: None  Casing: Spun  Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description  Company of the company								
		Casing   Sampler   Barrel   Drilling Equipment and Procedures			88					
		HSA SS - Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. partistructure, odor, moisture, optional descriptions, geologic ir  SP Medium dense brown poorly-graded SAND with silt and second of the seco				Casing: Spun Location See Plan				
Ham	mer F	HSA  Diameter (in.)  HSA  SS  A  1 3/8  1 40  - 140  - 230  - Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. partistructure, odor, moisture, optional descriptions, geologic in  SP  Medium dense brown poorly-graded SAND with silt an  SP  Medium dense orange brown well-graded SAND with silt an  SW-SM  Medium dense orange-brown silty SAND with gravel, wet  SW-SM  Dense orange-brown well-graded SAND with silt				Tald Ta				
Depth (ft.)	PT1	ample No Rec. (in.)	ample tepth (ft.)	ell Diagram	lev./Depth	Visual-Manual Identification and Description    Output   Output	Toughness electricity	T		
0 -	The weight (ib.)  Inmer Fall (in.)  Inmer Fall (					12 로	0			
	14 14				lense brown poorly-graded SAND with gravel, dry		•			
	15 14					ense red-brown poorly-graded SAND with silt and gravel, wet 15 10 10 15 40 10 -	3 3	,		
- 5 -	14 14					lense orange brown well-graded SAND with silt and gravel 40 20 20 10 10 -		20		
	15 24			VSTALLED		SM	nge-brown silty SAND with gravel, wet			
10 -	17 21			WELL			Dense oran	nge-brown well-graded SAND with silt	5 %	140
	27			- 1						_
					12.0			Bottom of exploration at 12.0 ft		
		12								
		Mai	ter Lev	Da Da	ta			Sample Identification   Well Diagram   Summary		
D,	ate	Time	Elaps	ed _	Dep	th (ft.)		O Open Find Red Riser Pipe Overhynder (lin ft.) 10.0		
	5-06	ime	Time (	hr B	ottom Casing	Botto of Ho		T Thin Wall Tube U Undisturbed Sample S Split Spoon  T Thin Wall Tube  Filter Sand Cuttings Grout  Rock Cored (lin. ft.) - Samples 5S Grout		
					02000	pin, r		G Geoprobe Bentonite Seal Boring No. B24		
	ld Test		011172220		hness:	L-L	ow. M-Med	low, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Ve	y High	
SP	ı = San	npler blov Not						(in.) is determined by direct observation within the limitations of sampler size.  [Sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.		

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G;U3743\000\UATABASES\U3743\000TB.GFJ Nov 14, 05

HA AL	ALEY & DRIC	Casing Sampler Barrel Drilling Equipment and Proceed Barrel Drilling Make & Model: Truck mounted Barrel Drilling Equipment and Proceed Barrel Drilling Make & Model: Truck mounted Barrel Drilling Make & Model: Truck mounted Barrel Drilling Make & Model: Truck mounted Barrel Drilling Equipment and Proceed Barrel Drilling Make & Model: Truck mounted Barrel Drilling Make & Model: Drilling Make & Model: Truck mounted Barrel Drilling Make & Model						В	ori	ing	j N	о.		ı	B25	;						
Proj Clie Con	nt	Casing Sampler Barrel Drilling Equipment and Proceding HSA SS - Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer Fall (in.) - 30 - Hoist/Hammer: Winch / Safety Hammer Commence of the Commence of										SI	le N nee art nish	t N	0.	1 o Sep	f 1	000	26,			
		Casing Sampler Barrel Drilling Equipment and Proce  HSA SS - Rig Make & Model: Truck mounted B5 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hamm  Visual-Manual Identification and Descr (Density/consistency, color, GROUP NAME, max, structure, odor, moisture, optional descriptions, geolo  S1 0.5 18 2.5  S2 2.5 20 4.5  SP Medium dense red-brown poorly-graded SAND, wet					rocedures			ille			_	Gly		,						
Туре	•	HSA  SS  Rig Make & Model: Truck mounted Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Har  Visual-Manual Identification and Des (Density/consistency, color, GROUP NAME, m structure, odor, moisture, optional descriptions, ge  S1  S1  S2  S2  S3  S0  S9  Medium dense red-brown poorly-graded SAND, win  S4  7.0  SP- Medium dense red-brown poorly-graded SAND win  Separate of the separate state of the separ					d B53		Н	ŝΑ	Re	p.	Μ.	Pai	di							
Insid	le Diar	HSA SS - Rig Make & Model: Truck mounted B. Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer: Winc					eva atur		ກ		34.	41 /D :	ጸጸ									
Ham	ımer V	Veight (	eter (in.) 4 1 3/8 1 3/8 1 40 1 40 2 5 70 2 5 70 3 70  Structure, odor, moisture, optional descriptions, ged structure, odor, moisture, odor,					_	ca	_	1 ,		Pla									
Ham	mer F	all (in.)	(in.) - 30 - Hoist/Hammer: Winch / Safety Hammer: Winch / Safety Ham						lammer													
		HSA SS - Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Descriptions, geology Sy Structure, odor, moisture, optional descriptions, geology Structure, odor, moisture, optional descriptions, geology Structure, odor, moisture, optional descriptions, geology Sy Similar to S1, except medium dense  Structure dense red-brown poorly-graded SAND, wet  Structure dense red-brown poorly-graded SAND, wet  Structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the structure dense red-brown poorly-graded SAND with significant control of the			escription		-	evel	-	San			F	ield	Tes	st						
Depth (ft.)	SPT1	Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Descript  Ober Fall (in.)							max. particle size <sup>2</sup> ,	ion)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength		
- 0 -		See Fall (in.)   Some Hoist/Hammer: Winch / Safety Hammer   Winch / Safety H			(3 in.)-						=	Ξ	Ē		Ë	Ě						
		Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. partic structure, odor, moisture, optional descriptions, geologic into structure, odor, moisture, odor, moisture, optional descriptions, geologic into structure, odor, moisture, optional descriptions, geologic into structure,					٠	5	10	30	50	5				25						
	33 18	21												7								
	11 20 4.5 13 13																		¥			
- 5 -	13 11	13 SP Medium dense red-brown poorly-graded SAND, wet  12 S3 5.0 13 20 7.0 11 13  7 S4 7.0 SP Medium dense red-brown poorly-graded SAND with silt, we									wet		٠	5	15	50	30		2		16.5	9
	10 7	20 7.0 SP- Medium dense red-brown poorly-graded SAND with s									with silt, wet					50	40	10	-	•	•	•
-10 -	4			NO WELL IN			Similar to	S4, ехсері	t loose													
				~	172 4			_	-GLACIOFLUVIAL	DEPOS	ITS-											
					12.0																	
																	· ·					
	Water Level Data Sample Identification   Well Diagra																					
= '	· · ·	Wa	ter Lev	el Da				Sam	ple Identification		ell Diagram		Ξ	5	Sur	nm	ary					
Da	ate	Tìme	Elaps			th (ft. Botto	m	1	pen End Rod	置	Riser Pipe Screen	Ove							2.0			
9-2	Time (hr.) Bottom of Hole Water of Hole Water of Hole Screen  T Thin Wall Tube Filter Sand  Screen  Filter Sand  Cuttings  Grout										Roc Sar	npl	es	_		. ft.) 58	S					
								GG	Seoprobe		Concrete Bentonite Seal	Во		-					B25			
	eld Tes				ancy: hness:	R-F	Rapid, S-SI ow. M-Me	ow, N-No dium, H-	one Plas High Dry ermined by direct obs	sticity: Strengt	N-Nonplastic, L-L th: N-None, L-Lo	ow, M w. M-	Me	diur	m, n.	H-1	Higi High	h . V	-Ve	уΗ	igh_	_
'SP	T = San	npler blov No	vs per 6 te: So	in. il ider	'Ma	ximum	particle size	(in.) is dete	ermined by direct obs nual methods of the	ervation te USC	within the limitations S as practiced by	of sam Hale	y &	Ale	dric	;h, 1	nc.				e-4.67	

USCS\_TB4 USCSUB4,GLB USCS\_TB5.GDT G:\33743\000\DATABASES\33743000TB.GPJ Nov.14, 08

H.	ALEY o DRIC	& H		39-111			TEST	BORING REPOR	RT	В	or	in	g N	lo.			B26	3	
Proj Clie Con	nt				<b>D</b> .		fanchester,	, Connecticut		S	hee tart			1 c Sep	of 1 oten	nber	26.		
			С	asing	Sar	npler	Barrel	Drilling Equipment	and Procedures		nis rille			•		iber ring			JO
Туре	<del></del>		1	HSA	1.5	SS	-	Rig Make & Model: Truck	mounted B53	Н	&A	Re			Pa	_			
Insid	le Diar	meter (i	n.)	4	1	3/8		Bit Type: Cutting Head		- 4	lev atu	atio	n		131.	09 VD	<b>ጸ</b> ጽ		
Ham	mer V	Casing Sampler Barrel Drilling Equipment and Procedum HSA SS - Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Harmmer: Winch / Safety Hammer Visual-Manual Identification and Descrip Code Code Code Code Code Code Code Code				-		tio	n		Pla		00						
Ham	mer F	Casing Sampler Barrel Drilling Equipment and Proced HSA SS - Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  CY C C C C C C C C C C C C C C C C C C						afety Hammer											
~		ġ ĉ		a E B	ŧ	loqu	,	(icual-Manual Identification	and Description	-	ave	+	Sar	-	11	5	ield	Tes	it
h (ft	_	ple P	in the second	Siagn	/Deg	Syn				Coarse	يو	Coarse	diun	یو	Sec	ncy	:saut	city	듀
Depth (ft.)	SPŢ	Sam Re	Sam	Vell	(£ [e	SCS	(Density structure, c	y/consistency, color, GROUP dor, moisture, optional descri	NAME, max. particle size <sup>z</sup> , ptions, geologic interpretatior	)   8	% Fine	% C	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -				>	W 0		Medium de	ense red-brown poorly-graded	SAND, dry	-		$\pm$		45		l e	-	-	-
	8					"	investing of	and the order poorty grades											
	10	10 10   Similar to S1 10 10   Similar to S1																	
-	9 S2 2.0 10 18 4.0 10 Similar to S1																		
	10	10	4.0				l					l							
	9																		
							34			1			1 8						
- 5 -							Medium de	ense red-brown poorly-graded	SAND with silt, wet				40	50	10	i,	:::		*
	7 20 7.0 SM																		
	13	7 20 7.0 SM SM Similar to \$3										100							
		SM Similar to S3								1.0		10	45	35	10	*		•	*
2	9	] 24	3.0	E															
	8			YST.								ı							
				[ ]															
-10 -				WE			Similar to	S4					H			)			
•00	7	20	12.0	2		SP	Medium de	ense red-brown poorly-graded	SAND, wet			10	70	15	5	-,-	-		7
- C	12			1			1	-GLACIOFLIVIAL	DEPOSITS-	_	L	L		L	L				
					12.0		<i></i>			-1									
													П						
												ı							
									9										
		ļ	<u></u>																_
		Wa	ter Lev			41 <sub>0</sub> /#	\ 4n.	Sample Identification	Well Diagram  Riser Pipe					ary				-	-
D	ate	Time	Elaps Time	the I E	Bottom		Motor	O Open End Rod	Screen	Overb			•			12.0	+		
0.0	6.06			of	Casing	of Ho	as.	T Thin Wall Tube U Undisturbed Sample	60 7 41	Rock Samp			(111		.) S	-			
9-2	6-06	17.				2	5.5	S Split Spoon	Grout				-				-	-	_
								G Geoprobe	Bentonite Seal	Borir				1.0		B26	· —		
	eld Tes			Toug	ancy: hness	: L-I	.ow. M-Me	dium, H-High Dry	sticity: N-Nonplastic, L-Lov Strength: N-None, L-Low,	M-Me	dit	m.	H-	High	n n. V	-Ve	ry H	igh	
'SP	T = Sar	mpler blo	ws per 6	in.	<sup>2</sup> Ma	mumix	particle size	(in.) is determined by direct obs- sual-manual methods of the	ervation within the limitations of	sample	r siz	ю.							
	_	OM	رط. نال	m iue	ICO	LIGHT D	uacu UII VI	Jum-memuer memous of th	Didutioen by I	y	- ^		-(1)		•	_		_	

USCS\_TB4 USCSUB4.GLB USCS\_TB5.GDT G:033743W00\DATABASESU3743000TB.GPJ

Nov 14, 06

从	LEY & DRIC	& H					TEST	BORING REPORT	Вс	rii	ng	N	о.		]	B <b>2</b> 7	,	
Proj Clie Con	nt	Prop	osed R oard D				Manchester .	, comodian	File She Sta	eet		o.	1 o Sep	f 1	ber	26,		
			C	asing	San	npler	D. Mr E	Fin Dril					tem Gly	ber	26,	, 20	06	
Туре			-	ISA	1-	SS	-					p. ]						
		neter (îı		4		3/8	-	,,	Ele			n		32.:		20		
Ham	mer V	/eight (	(b.)	7.		40	-	Sili Mad. Noile	Dat Loc		_	1 1		Pla	n (D	56	_	-
Ham	mer F	all (in.)		V2	3	10	=	Hoist/Hammer: Winch / Safety Hammer										
<u>.</u>		9 급	·		iray	-	_	San	-		F	-	Tes	iŧ				
Depth (ft.)	<del>.</del>	ple t	th (f	Diagr	/Del	Symbol		isuar-manual identification and Description	% Coarse	اع	% Coarse	% Medium	힏	Se	Š	Saul	city	4
o Dep	SPT¹	1 S1 0.5 1 15 2.5 SP Medium dense red-brown poorly-graded SAND, no odor, dry								% Fine	о %	₩ %	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Chronoth
	21										20	60	15	**			N.	
		17 S2 2.5 13 20 4.5 128.8 Similar to S1																
		9 3.5 ML. Medium dense red-brown sandy SILT									-	-	- 1	-		-		-
5 -	??	<b>S</b> 3	ny.		ı													
	1:	0	5.0 7.0				No recove	ly .										
	6	S4	7.0		ense red-brown silty SAND, no odor, wet					80	20			-				
	9 11 11	24	9.0	NO WELL INSTALLED														
10 -				TL INS				_										
10	4 5 7	S5 16	10.0 12.0	NO WE			Similar to	S4										
	9				120.3		×	-GLACIOFLUVIAL DEPOSITS-										
					12.0			Bottom of exploration at 12.0 ft										
	,																	
							lien.											
	1	Wa	ter Lev			th (ft.	) to:	Sample Identification   Well Diagram   Riser Pipe   Cup	ale .			nma		-				
Date Time Elapsed Depth (ft.) to: O Open End Rod Time (hr.) Bottom of Hole Water 9-26-06 5.0 U Undisturbed Sample								T Thin Wall Tube Screen Rock	k C	ore			ft.	)	2.0 -			
S Split S G Geop								S Split Spoon Grout Concrete	_		No		55		327			-
Fie	eld Test	ts:		Dilata	ancy:			ow, N-None Plasticity: N-Nonplastic, L-Low, M-Noum Dry Strength: N-None, L-Low, M-None	Vied	diur	m,	H-I	High	١ ,,,	Ve	y.L	iah	
Tep	T ≃ San	npler blov		in.	<sup>2</sup> Ma	ximum	particle size	olum. H-High (in,) is determined by direct observation within the limitations of samp sual-manual methods of the USCS as practiced by Haley	ler s	size				, V.	vel	y_Cl	igi1	_

USCS\_TB4 USCSLB4 GLB USCS\_TB5.GDT G:\a3743\000\DATABASES\33743\000TB,GPJ Nov 14, 06

ALDRIC	CH CH	BORING REPORT  Boring No.	B28						
Project Client Contracto		osed R		ž,		000 per 26, 2 per 26, 2			
		Ca	asing	San	npler	Drilling Equipment and Procedures Finish Septeml		.000	
Туре		F	ISA	S	S	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pare		-	
Inside Dia	ameter (ii	1.)	4	1:	3/8	Bit Type: Cutting Head Elevation 133.3  Drill Mud: None Datum NAV			
Hammer '	Weight (	b.)	3	1	40	Casing: Spun Location See Plan			
Hammer I	Fall (in.)	<u>. l</u> .	-	ا	0	Hoist/Hammer: Winch / Safety Hammer			
⊋	S.E.	⊋:	ram	pth	Symbol	/isual-Manual Identification and Description Gravel Sand	Field T	est	
Depth (ft.) SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², dor, moisture, optional descriptions, geologic interpretation)	Dilatancy Toughness	Strength		
0			F		ense red-brown poorly-graded SAND, moist				
6 12 15 18	S1 16	0.5 2.5		ense red-brown poorly-graded SAND, M.C.=9.6% - 10 15 30 40 5					
13 15 15	20	4.5		EINE FEU-DIOWII POOTIY-graded SAIVD, IVI.C. —9.0%					
3 6	S3 18	5.0 7.0		127.9 5.5	ense dark brown poorly-graded SAND, wet	+-	+-		
8 15				126.9			$\rfloor$		
18	S4	7.0		6.5	SP- SM	ense orange poorly-graded SAND with silt, wet 30 40 20 10 ense brown-orange poorly-graded SAND with silt and gravel, - 10 20 30 20 10		:	
16 21 21	24	9.0	NSTALLED		SP- SM	wet			
10 18 21 33	S5 20	10.0 12.0	NO WELL INSTALLED		SP- SM	Medium de	ense red-brown poorly-graded SAND with silt and gravel, wet - 15 20 30 25 10		
18				121.4			-GLACIOFLUVIAL DEPOSITS-		
				12.0			Bottom of exploration at 12.0 ft		
-	Wa	ter Lev	el Da				Sample Identification Well Diagram Summary		
Date	Time	Elaps	he   8	Dep Sottom Casing	th (ft.		LEL Screen	2.0	
9-26-06	199	Time (	T Thin Wall Tube U Undisturbed Sample C Soll Space Grout Filter Sand Rock Cored (lin. ft.) Samples 5S Grout	-					
							G Geoprobe Bentonite Seat	28	
Field Te	sts:			ancy: hness:	L-L	ow. M-Me	ow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High dium, H-High N-None, L-Low, M-Medium, H-High, V-	Very Hial	h
	ampler blos	vs per 6		2Ma	ximum tion b	particle size	(in.) is determined by direct observation within the limitations of sampler size.		

USCS\_TE4 USCSLIB4 GLB USCS\_TB5 GDT G:337430000DATABASES;33743000TB GPJ

Nov 14, 05

从	Casing Sampler Barrel Drilling Equipment and Procedures  HSA SS - Rig Make & Model: Truck mounted B53  Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. parlicle size structure, odor, moisture, optional descriptions, geologic interpretation  Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. parlicle size structure, odor, moisture, optional descriptions, geologic interpretation  Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. parlicle size structure, odor, moisture, optional descriptions, geologic interpretations)  Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. parlicle size structure, odor, moisture, optional descriptions, geologic interpretations)  SP Dense brown silty SAND with gravel, moist  SP Dense red-brown poorly-graded SAND, moist  Similar to S2  Medium dense red-brown well-graded SAND with silt, wet  Medium dense red-brown well-graded SAND with silt, wet													В	or	ing	j N	ο.			B29	)	
Clie	nt	Casing Sampler Barrel Drilling Equipment and Procedures    Casing Sampler Barrel Drilling Equipment and Procedures												S	le N hee tart nisl	t N	o.	1 c Sep	743- of 1 otem	ber	26,		
		Casing Sampler Barrel Drilling Equipment and Procedur HSA SS Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description General Grown of Grown moisture, optional descriptions, geologic  S1 0.5 8 2.5  SP Dense brown silty SAND with gravel, moist  SS Similar to S2  SW- Medium dense red-brown well-graded SAND with silt, we						rocedures		11.	nısı rille	-		-	Gly		20,	, 20	00				
Туре	•	Casing Sampler Barrel Drilling Equipment and Procedur  HSA SS Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description  October (Day 10 (Day				d B53		-		_	p.	М.	Par	rdi									
Insid	le Diar	Seaboard Drilling, Inc.    Casing   Sampler   Barrel   Drilling Equipment and Procedument						leva atur		n		35. VAN		88									
		HSA SS - Rig Make & Model: Truck mounted B5.  Peter (in.) 4 1 3/8 - Bit Type: Cutting Head Drill Mud: None Casing: Spun Hoist/Hammer: Winch / Safety Hammer Winch / Safety Hamme						L	oca	tior	1	_	Pla										
Ham	mer F		HSA  SS  HSA  SS  Rig Make & Model: Truck mounted BS  Bit Type: Cutting Head  Drill Mud: None  Casing: Spun  Hoist/Hammer: Winch / Safety Hamm  Casing: Spun  Casing: Spun  Hoist/Hammer: Winch / Safety Hamm  Casing: Spun  Hoist/Hammer: Winch / Safety Hamm  Casing: Spun  Casing: Spun				ammer					_						7.7					
£)		Casing   Sampler   Barrel   Drilling Equipment and Procedur		escription			avel	_	San	_			ield ss										
Depth (ft.)	HSA e Diameter (in.)  HSA a 1 3/8  - 140  - 140  - 30  - Host/Hammer: Winch / Safety Hammer  Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle structure, odor, moisture, optional descriptions, geologic interpretation of the structure of the structure, odor, moisture, optional descriptions, geologic interpretation of the structure of the structu										ize², etation)	% Coarse	% Fine	% Coars	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasficity	Strength		
0 -	Casing Sampler Barrel Drilling Equipment and Procedures  Bit Type: Cutting Head  Drill Mud: None  Casing: Spun  The Both of Both of Safety Hammer  Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle sistructure, odor, moisture, optional descriptions, geologic interprint and procedures  SP Dense brown silty SAND with gravel, moist  SP Dense red-brown poorly-graded SAND, moist  SP Dense red-brown well-graded SAND with silt, wet  SM Medium dense red-brown well-graded SAND with silt, wet  GRADIAN AND With silt, wet  SW SM Medium dense red-brown well-graded SAND with silt, wet  GRADIAN AND With silt, wet  SW SM Medium dense red-brown well-graded SAND with silt, wet  GRADIAN AND With silt, wet  GRADIAN AND With silt, wet  SW SM Medium dense red-brown well-graded SAND with silt, wet  GRADIAN AND WITH SILT AND													-	15	5	15	50	15	•		+3	2
0. 1	24													٠		15	70	15	•	(3)		-3	ı
5 -	11 11	18																					
	7 10			NSTALLED			Medium de	h silt, wet				20	40	30	10		3 <b>.</b> €8	(#s)	*				
10 -	7 11			NO WELL I			Medium de	ense red	-brown well-gra	ided SAN	ND with	n silt, wet			5	20	40	25	10		*	1745	æ
	13					-								H	L			-	$\dashv$	_			H
																	91001						
Da	ate	Time	ter Lev Elaps Time (l	ed_B		th (ft. Botto	Mater		mple Identifica Open End Rod Thin Wall Tube		We	ell Diagram Riser Pipe Screen Filter Sand	- 1	erb	urd	en		ft.)		2.0			
9-20	5-06	(*)			1 <b>.</b>	,	~6.0	U S G	Undisturbed Sa Split Spoon Geoprobe	ample	3.1.	Cuttings Grout Concrete Bentonite Sea	Sa	mpi rin	es	_	_	58	8	329	_		_
Fie	ld Test	s:	-/	Dilata	ancy: hness:		Rapid, S-SI ow. M-Me	low, N-	None	Plasti	icity: N	I-Nonplastic, n: N-None, L	L-Low, N	1-Me	diu	m,	H-I	High	n ./	-\/o	v Hi	ioh	
'SP'	T = San	pler blov		in.	<sup>2</sup> Ma:	ximum	particle size	(in.) is d	letermined by dire	ect obser	vation v	vithin the limitati	ons of san	ple	size	),		X		VE	7 1 11	MII	

USCS\_TB4 USCSLIB4 GLB USCS\_TB5.GDT 6:03743\000DATABASES\033743000TB.GPJ Nov14, 06

HA ALI	LEY & DRIC	č H					TEST	BOR	ING REPOR	T			В	ori	ng	N	0.		ı	B30	1	
Proje Clier Cont	nt	Propo	Billian	COLUMN TO	<b>M</b> :	_	fanchester,	, Connec	cticut		1116		Sh St	art	N	0.	1 o Sep	f I	ıber	27,		
			Ca	asing	San	npler	Barrel		Drilling Equipment	and P	rocedures	- 1		nish iller	-		_	Gly	iber /nn	21,	_ ZU	00
Туре			Ĭ.	ISA	S	S		Rig Ma	ake & Model: Truck	nounte	d B53		Н8	ιA	Re			Pai				
nside	e Dian	neter (ir	1.)	4	1:	3/8			e: Cutting Head					eva itun		n		37.	88 /D :	88		
Hami	mer W	leight (l	b.)	2	1	40	-	Casing	ud: None : Spun			-	_	cat	_	1 ;	_	Pla			<del>- 110</del>	_
lamı	mer F	alf (in.)		-		0	-	Hoist/H	Hammer: Winch / Sa	afety H	lammer				_							
æ		No.	£	Lan	pth	Symbol	\	√isual-M	anual Identification	and D	escription	- 1	Gra o	-	_	San	$\overline{}$			ield		
Depth (ft.)	SPT <sup>1</sup>	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Sy			ency, color, GROUP i sture, optional descrip			on)	% Coarse	% Fine	% Coars	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Chronath
0 +					137.7		\	-B	BITUMINOUS CONC	RETE (	(2 in.)-											E
-	19 23 37	S1 18	1.0 3.0		0.2	SP	Very dense	e to very (	dense red-brown poor	ly-gradi	ed SAND		-	5	10	40	40	5	*	3	-	
	53 48 23	\$2 20	3.0 5.0			SP	Very dense	e red-brov	wn poorly-graded SAN	₹D, dry	,		-	10	10	50	25	5	(4)	•	•	
ا ۽	21														200700							
5 +	4 2 2 2	S3 0	5.0 7.0				No recove	гу			×											
	2 2 2 1	S4 8	7.0 9.0	TALLED		SP	Loose red-	-brown po	oorly-graded SAND, v	vet			•	10	30	40	15	5		3	•	7
10	4	S5 8	10.0	WELL INSTALLED		SP	Loose red-	-brown po	oorly-graded SAND, v	vet (dec	aying root in spoon	tip)										
	4			NO.					CLACIOELINIAL	DEBOS	ure											
ł				1	125.9 12.0				-GLACIOFLUVIAL : Bottom of exploratio				-			_		-	- 170			H
Į		Wa	ter Lev	rel Da	ıta			T San	mple Identification	l W	/ell Diagram				Sur	nm	ary					
Da	ate	Time	Elaps	ed_		th (ft.		0 0	Open End Rod	田	Riser Pipe Screen	Ove		urd	en	(lin	. ft.	) :	12.0	)		
	7-06	*	Time (	(hr.) of	Casing -	Botto of H		-	Thin Wall Tube Undisturbed Sample	53.2	Filler Sand Cuttings Grout	Roc San			ed	(lin	1. ft. 5		_			
									Split Spoon Geoprobe		Concrete Bentonite Seal	Во	rin	g	No	ο.			B30	)		
Fie	ld Tes	ts:	1		ancy:		Rapid, S-S Low, M-Me	Slow, N-N	None Plas	Streng	N-Nonplastic, L-Lo	N. M-1	Vie	diur	m.	H-H	Hig	h ), V	/-Ve	ry H	iah	
'SP'	T = Sar	npler blo	ws per 6	in.	<sup>2</sup> Ma	ximun	particle size	e (in.) is de	etermined by direct obse	ervation	within the limitations	of samp	oler	Size	Θ				- dall		- Calledon	_

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:\U3743\U000DATABASES\U3743000TB.GPJ Nov14,06

H.A.L	LEY DRIC	& H					TEST	BORING REPORT  Boring No.	B31	
Proj Clie Con	nt	Prop	. Hinari	more.			/anchester	File No. 33743-000 Sheet No. 1 of 1 Start September	26, 200	
			C	asing	Sar	npler	Barrel	Drilling Equipment and Procedures Finish September Driller M. Glynn	20, 200	v
Туре	;		I	ASE		SS		Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi		
Insid	le Diar	meter (i	n.)	4	1	3/8	:=:	Bit Type: Cutting Head Elevation 131.65		
Ham	mer V	Veight (	lb.)	2	1	40		Drill Mud: None Datum NAVD Casing: Spun Location See Plan	88	-
Ham	mer F	all (in.)		2	:	30	(a)	Casing: Spun Hoist/Hammer: Winch / Safety Hammer		
		0.		E	£	ē			ield Test	
Ē.		E S	e (±	lagra	Dep	Symbol	'	Visual-Manual Identification and Description  by Section Secti	ess ty	_
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	nscs	(Densit structure, o	Visual-Manual Identification and Description  by/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , odor, moisture, optional descriptions, geologic interpretation)	Toughness Plasticity	Stranoth
- 0 -					131.4			-BITUMINOUS CONCRETE (3 in.)-		Ξ
	11 29	S1 10	0.5 2.5		0.3	SP	Very dense	e red-brown poorly-graded SAND with gravel, dry 10 15 10 25 35 5		•
	31 31									
	36 47 58 41	S2 14	2.5 4.5			e .	Similar to	SI IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
- 5	68	S3	5.0			GP-	Very dense	e red-brown poorly-graded GRAVEL with silt and sand, wet 20 30 10 20 10 10 -		9
	46 24 17	4	7.0			GM	2 25188			
1	21	S4	7.0	1			Similar to	S3		
	19 11	6	9.0	TEL						
	12			WELL INSTALLED						
-10 -	3	S5	10.0	VELL			Gravel frag	gments in spoon tip		
	4 5 6	2	12,0	NO						
İ	7	S6 20	12.0 14.0			SP	Medium de	ense red-brown poorly-graded SAND with gravel 5 10 45 15 20 5 -		•
	10 12				117.7			-GLACIOFLUVIAL OUTWASH-		
					14.0			Bottom of exploration at 14.0 ft		
			7.1							
Ą		<u> </u>								_
			ter Lev Elaps			th (ft.)	) to:	Sample Identification Well Diagram Summary  Riser Pipe Overburden (lin. #1), 14.0		_
Da	ite	Time	Time (	br∮ B	oltom Casing	Botto of Ho	m Water	TO Open End Rod TEL Screen Overburgen (IIn. π.) 14.0		
9-20	5-06		9	01	-	on mo	5.0	U Undisturbed Sample Cuttings Samples 6S		
						-		S Split Spoon G Geoprobe Grout Concrete Bentonite Seal Grout Concrete Bentonite Seal		
Fie	ld Tes	ts:		Dilata	hness	L-L	ow. M-Mei	low, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High V-Ve	y Hiah	
'SP	T = San	npler blov		in.	<sup>2</sup> Ma	ximum	particle size	(in.) is determined by direct observation within the limitations of sampler size, isual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.		_

USCS\_TB4 USCSUBA.GLB USCS\_TB5.GDT G;U3743W00UDATABASESU3743000TB.GPJ Nov 14, 06

HA At	LEY &	₹ H	5	N.			TEST	BORING REPORT  Boring No.	B32
Proj Clie Con			osed Re			-	fanchester		
			Ca	asing	San	npler	Barrel	Drilling Equipment and Procedures Driller M. Gl	ynn
Туре			Н	ISA	S	S		Rig Make & Model: Truck mounted B53 H&A Rep. M. Pa	rdi
Insid	e Diar	neter (ir	ո.)	4	1:	3/8		Bit Type: Cutting Head Elevation 132 Drill Mud: None Datum NA	.50 VD 88
Ham	mer V	/eight (I	b.)	(m)	1	40	:•:	Drill Mud: None Casing: Spun Location See Pl	an
Ham	mer F	all (in.)		9	3	0		Holst/Hammer: Winch / Safety Hammer	
3		o C.C.	3	ran	pth	Symbol	,	/isual-Manual Identification and Description	Field Test
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Dlagram	Elev./Depth (ft.)	USCS Syr	(Densit	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², odor, moisture, optional descriptions, geologic interpretation)	Dilatancy Toughness Plasticity Strenoth
- 0 -	- 05	ഗയ	0,0	5	ш	)	0.130.010,	\$ \$ \$ \$ \$ \$	
	5 17 19 23	\$1 13	0.5 2.5			SP	Medium d moist	ense red-brown poorly-graded SAND with gravel, no odor,	
	13 13 16 19	S2 20	2.5 4.5			SP	Medium d	ense red-brown poorly-graded SAND, moist	
- 5 -	10	\$3 20	5.0 7.0			SP	Medium d	ense red-brown poorly-graded SAND, wet	
-	10 10	S4	7.0				Similar to	S3	
-	8 10 12	13	9.0	NO WELL INSTALLED					
-10 -	9 10	S5 12	10.0 12.0	IO WELL I			Similar to	S4	
	10 11			z	120.5			-GLACIOFLUVIAL DEPOSITS-	
•					12.0			Bottom of exploration at 12.0 ft	
		I NA	ter Lev	el Da	ita	L		Sample Identification   Well Diagram   Summary	
Da	ate	Time	Elaps Time (	ed_		Botto of He	om Mator	O Open End Rod T Thin Wall Tube Riser Pipe Screen Screen Filter Sand Rock Cored (lin. ft.)	12.0
9-2	6-06	•			Ħ		5.0	U Undisturbed Sample S Split Spoon S Split Spoon S Split Spoon S Split Spoon S Samples S S S S S S S S S S S S S S S S S S S	
								G Geoprobe Bentonite Seal	B32
	eld Tes			Toug	ancy: hness		OW MANAG	low, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, (in.) is determined by direct observation within the limitations of sampler size.	V-Very High
SP	1 = Sar	noler blow No	te: So	il ide	ntifica	tion t	particle size	isual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.	NO

봈	LEY d DRIC	% H	***				TEST	BOR	ING REPOR	RT			В	ori	ing	j N	о.			В33	•	
Proj Clie Con	nt 🖫	Proper Seab					fanchester.	, Conne	ecticut				St	art	t N	0.	l o Sep	f 1	000 iber	26,		
			C	asing	San	npler	Barrel		Drilling Equipment	and P	rocedures			nish ille			•		ring			
Туре	3		I	ISA	5	SS	_	Rig Ma	ake & Model: Truck :	mounte	d B53		H	ŝА	Re			Par				
Insid	le Diar	neter (ii	1.)	4	1	3/8			e: Cutting Head					eva atur		n		33.	05 /D :	QQ		
Ham	mer V	Veight (i	b.)	2	1	40	9	Casing	ud: None g: Spun				_	cal	_	1 ;		Pla		00	-	_
Ham	mer F	all (in.)		-	3	80			⊣ammer: Winch / S	afety H	ammer											
		9 🗇		E	Ę	ğ					- HANNI MARKET MARKET		-	vel	<del>-</del>	San			F		Tes	st
Depth (ft.)		Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	Symbol	'	/isual-M	lanual Identification	and D	escription		Coarse	ø	Coarse	% Medium	Q)	S	ıcy	Toughness	ξį	ڃ
epth	SPT	Rec	amb	e □	. e (	USCS	(Densit	y/consist	tency, color, GROUP I sture, optional descrip	NAME,	max. particle size <sup>2</sup> ,	OD/	ပ္ပိ	% Fine	S	Me	% Fine	% Fines	Dilatancy	hgu	Plasticity	Strength
_ 0 -	တ	ഗയ	ωD	3	⊞€	5	structure, c	Juoi, moi	stare, optional descrip	Juons, 9	geologic interpretati	Oily	%	%	2	8	%	%	ā	ř	ā	ŝ
	7 8 8	S1 20	0.5 2.5			SP	Medium di	ense red-	brown poorly-graded S	SAND,	dry				5	45	45	5	33	28	:50	*
	10	S2 20	2.5 4.5				Similar to	S1, exce	pt moist													
	10																					
- 5 -	9	S3 6	5.0 7.0			SP	Medium de	ense red-	brown poorly-graded S	SAND,	wet		-0		15	55	30	:•:1	•	*	:•0	٠
	12 15								3													
	5	S4 23	7.0 9.0	1 <sub>e</sub>			Similar to	S3														
	7 7	23	9.0	TALLE									1									
- 10 -				NO WELL INSTALLED																		
. 10	4 5 5	\$5 24	10.0 12.0	NO WE		SP	Loose red-	-brown po	oorly-graded SAND, v	vet					5	40	50	5	*			*
	9				121.1				-GLACIOFLUVIAL													
					12.0				Bottom of exploratio	n at 12.	0 ft											
									(X													
																					1	
	_	I	ter Lev	(el Da	ıta .			Sor	nple Identification	10/	'ell Diagram				Sur	mm	anv	i i	-	-	<u></u>	
_			Elaps	ed	Dep	th (ft.			Open End Rod	Ш	Riser Pipe	Ove	erb						2.0			
ט	ate	Time	Time (	hr \ E	Bottom Casing		om Water	1	Thin Wall Tube		Screen Filter Sand	Ro							-			
9-2	6-06	82	-		>	-	5.0		Undisturbed Sample Split Spoon	? q.*	Cuttings Grout	Sar	np	les			5	<u>s</u>				
								G	Geoprobe		Concrete Bentonite Seal	Во							B33	3		
Fie	eld Tes	ts:			ancy: ihness	1-	Rapid, S-Si Low, M-Me	dium H	I-High Dry	Strengt	N-Nonplastic, L-L th: N-None, L-Lo	N. M-	Me	diu	m.	H-H	Hig -ligh	h ). V	-Ve	ry H	igh	
'SP	T = Sar	npler blo	ws per 6	in.	<sup>2</sup> Ma	numix	particle size	(in.) is de	etermined by direct obse	ervation	within the limitations	of sam	pler	size	e.						-	-
_		NO	. 30	ii iue	miled	LOH L	AUGUA OII V	Judi 1118		3 300	- President Di	- 1010	, 0									

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:\33743\000\DATABASES\33743000TB.GPJ Nov 14,06

HA AL	ALEY & DRIC	& H					TEST	BORING REPORT  Boring No.	B34
Proj Clie Con	nt	Prop	osed R			•	Manchester	File No. 33743-000 Sheet No. 1 of 1 Start September Finish September	26, 200
			С	asing	Sar	npler	Barrel	Drilling Equipment and Procedures Finish September Driller F. Harring	
Туре	⊋		I	ISA	5	SS		Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi	
Insid	le Diar	neter (i:	n.)	4	1	3/8		Bit Type: Cutting Head Elevation 134.74	20
Ham	ımer V	/eight (	lb.)		1	40	(4)	Drill Mud: None Datum NAVD Casing: Spun Location See Plan	38
Ham	mer F	all (in.)		_		30	-	Hoist/Hammer. Winch / Safety Hammer	
		o 😙		E	₽	ā		Gravel Sand   F	ield Test
Î.		e c	e (±)	lagra	Dep	Symbol	\	Visual-Manual Identification and Description	iess ty
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	nscs	(Densit structure, c	Visual-Manual Identification and Description  by/consistency, color, GROUP NAME, max. particle size².  codor, moisture, optional descriptions, geologic interpretation)	Toughness Plasticity
0					134.4			-BITUMINOUS CONCRETE (3 in.)-	
	5	S1 16	0.5		0.3	SP	Medium de	ense red-brown poorly-graded SAND, dry	
	11 12	S2	2.5			SP	Medium de	ense red-brown poorly-graded SAND, dry	
	9 7 9	16	4.5				Wildian G	and red drown poorly graded or this, taly	
5 -	2	S3	5.0	1		SP	Loose red-	-brown poorly-graded SAND, wet - 10 30 40 20	pa (44)
	4	18	7.0						
- 1	4					_			
	5 6	S4 12	7.0 9.0	B		SM	Medium de	ense red-brown silty SAND, wet	
	6			FALL					
ł				INS					
10 -	2 3	\$5 20	10.0 12.0	NO WELL INSTALLED			Similar to	S4, except loose	
	3 4			Z	100.7			GLACIOFI LIVIAL DEPOSITS	
ŀ					122.7 12.0			-GLACIOFLUVIAL DEPOSITS- Bottom of exploration at 12.0 ft,	++
- 1									
	24								
							)(		
								*	
		- 5							
		Wa	ter Lev	el Da				Sample Identification   Well Diagram   Summary	
Da	ate	Time	Elaps		Dep	th (ft.		O Open End Rod Riser Pipe Screen Overburden (lin. ft.) 12.0	
_			Time (		Casing	of Ho	vvater	T Thin Wall Tube Filter Sand Rock Cored (lin. ft.)	
9-20	6-06	ž.	ē		ž.	-	4.0	U Undisturbed Sample Cuttings Samples 5S Split Space	0-20
								S Split Spoon G Geoprobe Concrete Bentonite Seal Boring No. B34	
Fie	eld Test	s:		Dilata	ancy: hness:	R-F	Rapid, S-SI	ow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Ve	v High
1ep	T = San	pler blov	vs per 6	in	<sup>2</sup> Ma	ximum	particle size	(in.) is determined by direct observation within the limitations of sampler size.	, 1.1811

USCS\_T84 USCSLIB4.GLB USCS\_TB5.GDT G:03743000IDATABASES!33743000TB.GPJ Nbv 14,06

HAI ALD	EY & ORIC	S H					TEST	BORING REPORT  Boring No.	B35	
Projec Client Contr	t		osed R		THE	50	Manchester,	File No. 33743-000 Sheet No. 1 of 1 Start September	26, 20	
			C	asing	San	npler	Barrel	Drilling Equipment and Procedures Finish September		JU6
уре			F	ISA	S	SS	=	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi		
nside	Dian	neter (ir	n.)	4	1:	3/8		Bit Type: Cutting Head Elevation 136.57 Drill Mud: None Datum NAVD	00	-24
łamm	ner W	eight (l	b.)	ě	1	40	<b>4</b>	Drill Mud: None Datum NAVD Casing: Spun Location See Plan	56	_
łamm	ner Fa	all (in.)		<u> </u>	3	80	-	Hoist/Hammer: Winch / Safety Hammer		
<u>.</u>		No. in.)	T.	ram	pth	Symbol	\		ield Tes	st
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Syr	(Densit	Visual-Manual Identification and Description  by/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , and or, moisture, optional descriptions, geologic interpretation)	Toughness Plasticity	Transition in
0	12 14 17	\$1 8	0.5 2.5			SP	Medium de	lense red-brown poorly-graded SAND, moist - 5 5 10 75 5		
-	8 8 9 9	S2 20	2.5 4.5			SP	Medium de	ense red-brown poorly-graded SAND, dry		
1	8 12 17 19	S3 18	5.0 7.0		131.1 5.5 130.1	SP	Medium de	ense black poorly-graded SAND, moist 75 20 5 -		
	11 11 14 13	S4 18	<b>7.0</b> 9.0	WELL INSTALLED	6.5	SP- SM SP- SM		ense orange-brown poorly-graded SAND with silt, wet - 5 10 40 35 10 - ense brown well-graded SAND with silt, no odor, wet - 5 15 50 20 10 -		
	7 11 15	S5 18	10.0 12.0	NO WELL IN		SP	Medium de	ense brown to red-brown gravelly SAND 10 15 20 30 20 5 -	3	104
L	13				124.6			-GLACIOFLUVIAL DEPOSITS-		
					12.0			Bottom of exploration at 12.0 ft		
		VAI		-1.0-				To Control Idea William I. Wall Disease I.		
Data			Elaps	ed	Dep	th (ft.)		Sample Identification Well Diagram Summary  O Open End Rod Riser Pipe Overburden (lin. ft.) 12.0		
Date 9-26-0		Time	Time (I	hr 1 8	ottom Casing	Bollo of Ho		T Thin Wall Tube Filter Sand Rock Cored (lin. ft.) - U Undisturbed Sample Cuttlings Samples 5S Grout		
المادات	Tasi	o.		Dilata	anch.	P.F	Panid S. S.	S Split Spoon G Geoprobe  Smith Spoon Bentonite Seal  Ow, N-None  Plasticity: N-Nonplastic, L-Low, M-Medium, H-High		
rield	Test	s:			ncy: hness: Ma	L-L	ow, M-Me	dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Ve	v High	

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:037430000DATABASES03743000TB.GPJ Nov.14, 06

	LEY & DRIC	ያድ H			,		TEST	 30RII	NG REP	ORT				В	ori	ng	j N	о.		ВЗ	6-C	W	
Proj Clie Con	nt	Prop				•	fanchester.	Connect	ticut					SI	le N nee art	t N	٥.	1 o Sep	f 1	000 iber	27,		
			С	asing	San	npler	Barrel		Drilling Equipm	nent and	Procedure	es			ille					ring		0	•
Туре	;		I	ASA	5	S		_	ke & Model: Tri		ted B53				&A		~		-				
Insid	le Diar	neter (iı	ո.)	4	1	3/8		Bit Type	e: Cutting Head: None	ad					eva atur		n		33. IAN	20 /D {	88		
		leight (l	b.)	7	1.	40	-	Casing:						Lo	ocat	ior	) ,	See	Pla	ın			
Ham	mer F	all (in.)		-	-	0	-	Hoist/Ha	ammer: Winch	1 / Safety	Hammer			0-1		1 7	0	- 1			1.1	~	_
(;)		(in.)	"⊋	gram	epth	Symbol	\	isual-Ma	nual Identifica	tion and	Descriptio	n			ivel		San	_			ield		Г
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	uscs sy	(Density structure, c	/consister dor, moist	ncy, color, GRO ture, optional de	UP NAME	i, max. parl , geologic i.	icle size², nterpretat	ìon)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	O PODO
0 -	13 16 25 23	S1 18	0.5 2.5	99 4/////		SP	Dense red-	эгоwп роо	orly-graded SAN	ID, moist				*	5	10	50	35	-	•	):•		
	10 17 19 21	S2 16	2.5 4.5				Similar to	l, except	: with gravel					(2)	15	10	45	30		*	9	8=0	•
-5 -	2 4 3 4	S3 5	5.0 7.0			SP	Loose red-	orown poo	orly-graded SAN	D, wet					-	9	80	20	848			•	*
	2 2 4 5	S4 14	7.0 9.0			SP	Loose red-	rown poo	orly-graded SAN	D, wet				2	(2)	80	20	(8)	*		(4)	•	•
-10 -	5 6 9	S5 18	10.0 12.0				Similar to	34, except	medium dense							The second of							
	10				121.2 12.0				GLACIOFLUVI					_		Ц	Ц	4		_		_	
			**		72.0			,	Bottom of explo	TALLON AL L	2.0 R		38,										
		Wa	ter Lev			4h //1		Samı	ple Identification		Well Diagr				_	-	nm						
9-2	7-06	Time	Elaps Time (	hr B	Dep ottom Casing		Water 5.0	T Th	pen End Rod hin Wall Tube Indisturbed Sam plit Spoon	ple 33	Screen Filter S Cutting Grout	and s	Ro Sai	ck (	Cor les	ed	(lin		)	2.0			_
	9-06 eld Tes	is:	-	Dilata	ncy:	R-F	6.4 Rapid, S-SI low, M-Me	G G	eoprobe one	Plasticity:	Benton N-Nonple gth: N-No	te Seal stic, L-L	Bo ow, M w. M-	-Me	ediu	m,	H-	High	1	6-C		ioh	
1SP	T = San	npler blov Not		in.	<sup>2</sup> Ma	ximum	particle size	(in.) is dete	ermined by direct rual methods o	observation	n within the	imitations	of sam	ple	size	3,		_		- v.c	y_I]	RIT	-

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:037431000DATABASES13743000TB GPJ

Nov 14, 05

Proje Clier	nt	Propo				ng N	-	BORING REPORT  Connecticut	Fi	le l	No.		337 1 o	f 1	000		200	_ O+
COII	liacio	30200	-		1	-	Ι	Dalling Frankrand December	Fi	nis	h		Sep	ten	iber			
-			-	asing		pler	Barrel	Drilling Equipment and Procedures	-	rille			М. М.					
Туре				HSA	5	S	=	Rig Make & Model: Truck mounted B53 Bit Type: Cutting Head	-	lev:	-			33.			-	
		neter (in	1	4	1	3/8	0.00	Drill Mud: None		atu			_ 1	۱A۱	/D 8	38		
		/eight (II	b.)	.=0.		40		Casing: Spun	L	oca	tio	n	See	Pla	ın			
Ham	mer F	all (in.)		-		0	-	Hoist/Hammer: Winch / Safety Hammer		21.42	ıl	C	- 1	-		:-1-1	T	
⊋ l		S E	£	Tam	tg.	Symbol	\	/isual-Manual Identification and Description		ave		Sar	-			ield		i
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Sy	(Densit	y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	
0		0,00	0, 🗆	>	133.1			-BITUMINOUS CONCRETE (3 in.)-			=	-	-	=				
-	6	Sı	0.5	+	0.3	SP	Medium d	ense red-brown poorly-graded SAND, moist	1-	١,	5	70	25					
5	19 20 19	18	2.5					,										
à   2	17 17 19 19	\$2 20	2.5 4.5				Similar to	SI				23.200						
5	10	S3 24	5.0 7.0				Similar to	S2, except, M.C.=19.9%			10	65	20	5	-		٠	
	15 16													-				
	14 16 16 20	\$4 22	7.0 9.0	STALLED			Similar to	83			)	30	60	٥		•	•	
-10 -	3 7	\$5 18	10.0	1 5			Similar to	S4										
	7 9			1	121.4			-GLACIOFLUVIAL DEPOSITS-		1								
				1	12.0			Bottom of exploration at 12.0 ft	1	T	1							
									100				+ 1					
Į				1	<u> </u>				_	_	1		[					
Da	ate	Time	er Le Elap Time	/hr 1		th (ft.	om Motor	Screen	vert	our	den	(lir		) 1	12.0			
9-2	7-06			101	- Pilicary	of H	5.0	U Undisturbed Sample Cuttings S	amp			. (111	5		_			
								G Geoprobe Bentonite Seal	orii				1112		B37			
Fie	eld Tes	ts:			ancy: hness	1.	ow M-Me	low, N-None Plasticity: N-Nonplastic, L-Low, dium, H-High Dry Strength: N-None, L-Low, I	Λ-Me	ediu	ım.	, Н Н-	-High	n L.V	/-Ve	γH	gh	
SP	T = Sar	npler blow	vs per	6 in.	<sup>2</sup> Ma	ximun	particle size	(in.) is determined by direct observation within the limitations of salesual-manual methods of the USCS as practiced by Ha	mple	rsiz	ze.							

H/ AL	ALEY DRIC	Sz: H					TEST BORING REPORT	В	or	in	g N	lo.			B38	3	
Proj Clie Con			osed R			•	fanchester, Connecticut	Si	nee art			1 o Sej	of 1 pten	-000 l nber	27		
			C	asing	San	npler	Barrel Drilling Equipment and Procedures	1.	nis rille					ring			JU
Туре	•		I	ISA	5	SS	Rig Make & Model: Truck mounted B53	Н	&A	Re			Pa		,-,-		
Irisio	le Dia	neter (i	п.)	4	1	3/8	Bit Type: Cutting Head		eva atu	atio m	n		134. Na	.25 VD	22		
Ham	ımer V	Veight (	lb.)	2	1	40	Drill Mud: None Casing: Spun	_		tio	n		Pla		-		_
Ham	ımer F	all (in.)		×	3	80	- Hoist/Hammer: Winch / Safety Hammer										
æ		S (:	£	iram	pth	Symbol	Visual-Manual Identification and Description	Gra	1	-	Sar		-		ield %	Tes	t
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Syr	(Density/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0 -	12 12	S1 18	0.5			SP	Medium dense red-brown poorly-graded SAND, moist	•	•	F	50	F	5	- 2	34	3	•
	21 23	S2	2.5				Similar to S1, except dense			ř							
	20 23 15	18	4.5														
5 -	3 5 5 5	S3 20	5.0 7.0			SP- SM	Loose red-brown poorly-graded SAND with silt, no odor, wet		5	5	50	30	10	93	5		*
	4 4 6 9	S4 20	7.0 9.0	TALLED			Similar to S3										
10 -	2 2	S5 18	10.0 12.0	NO WELL INSTALLED		SP	Loose red-brown poorly-graded SAND, no odor, wet	***		10	80	10	٠	•	•		8
	3 4			Z	122.3		-GLACIOFLUVIAL DEPOSITS-						8				
S					12.0		Bottom of exploration at 12.0 ft	Т	Г	T			Т			П	
3									1								
		Wa	ter Lev	el Da			Sample Identification Well Diagram			Su	mm	агу					
Di	ate	Time	Elaps Time (	hr \ E	Boltom Casing		Water T Thin Wall Tube Screen Filter Sand Ro	erb ck ( mpl	Col				.)	12.0			
F:	Jel Ta	ia.	1401		ancy:	p.c	Grout	rin	g		1000			B38	3		
	eld Tes	noler blov	ws per 6	Toug	hness:	L-L	ow, M-Medium, H-High Dry Strength: N-None, L-Low, M particle size (in.) is determined by direct observation within the limitations of sar	-Me	diu	m,	H-	High	1. V	-Ve	ry H	igh	
							ased on visual-manual methods of the USCS as practiced by Hal				ch,	Inc					

USCS\_TB4 USCSUBA.GLB USCS\_TBS.GDT G:\U3743\U00DATABASES\U3743000TB.GPJ Nov.14,08

HA AL	LEY & DRIC	i e					TEST	BORING REPORT  Boring No.	В39
Proj Cliei Con						•	fanchester,	Sheet No. 1 of Start Septer	l nber 28, 2006
			Ca	asing	San	npler	Barrel	Diffice Food Annual Person drops	
Туре			E	ISA	S	S			
Insid	e Dian	neter (ir	1.)	4	1:	3/8	-		
Ham	mer V	/eight (I	b.)	-	1,	40	=	Casing: Spun Location See Pla	an
Ham	mer F			· ·		-	-	Hoist/Hammer: Winch / Safety Hammer	I =
£		ñ.)	£.	Jram	spth spth	mbot	\	/isual-Manual Identification and Description	12
Depth (ft.)	SPT1	Sample & Rec.	Sample Depth (	Well Diag	Elev./De (ft.)	USCS Sy	(Densit	y/consistency, color, GROUP NAME, max. particle size², odor, moisture, optional descriptions, geologic interpretation)	Dilatancy Toughnes Plasticity
0 -	17 20 21	S1 18	0.5 2.5			SP	Dense red-	-brown poorly-graded SAND, moist 10 60 25 5	
	9 9 10 10	S2 18	2.5 4.5			SM	Medium de	ense red-brown silty SAND, moist	
5	2 1 2 1	S3 20	5.0 7.0		129.1 5.0	ML	Soft red-bi	rown sandy SILT, slight organic odor, wet	
	3 3 4 5	S4 20	7.0 9.0	NSTALLED	640		Similar to	S3, except medium stiff	
10 -	2 2 3 4	\$5 20	10.0 12.0	NO WELL I			Similar to		
					122.1 12.0	-			
		Wa	ter Lev	el Da				Sample Identification Well Diagram Summary	
	ate	Time		he B	lottom	of H	Water	T Thin Wall Tube Screen Rock Cored (lin. ft.)	12.0
9-2	8-06		5°		.53		5.0	S Split Spoon Grout Concrete Boring No.	B39
Fie	eld Tes	Seabord   Seab		/_Ven/ High					
SP	T = Sar	noler blov	ws per 6	in.	<sup>2</sup> Ma	ximun	particle size	e (in.) is determined by direct observation within the limitations of sampler size.  isual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.	-xerà Diàrr

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G-03743000DATABASES0374300DTB.GPJ Nov 14, 06

松	LEY & DRIC	& H			43		TEST	BORING REPORT  Boring No.	B40
Proj Clie Con			osed R			_	lanchester.		
Ham	le Diar ımer V	neter (ir /eight (l all (in.)	1.)	asing ISA 4	1	npler S 3/8 40	Barrel	Drilling Equipment and Procedures  Driller F. Hal Rig Make & Model: Truck mounted B53  Bit Type: Cutting Head  Drill Mud: None  Casing: Spun Hoist/Hammer: Winch / Safety Hammer	.07 VD 88 an
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Densit	/isual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , addr., moisture, optional descriptions, geologic interpretation)	Dilatancy Toughness plasticity Plasticity Strength
-	10 12 12 11	S1 15	0.5 2.5			SP		ense red-brown poorly-graded SAND, dry  10 40 50 - S1, except dense	
- 5 -	12 15 19 17	S2 16	4.5 5.0			SP		ense red-brown poorly-graded SAND, moist - 5 15 50 30 -	
-	13 15 17 7 8	16 S4 18	7.0 9.0	ED				S3, except wet	
- - -10 -	8 10	S5	10.0	NO WELL INSTALLED			Similar to	S4	
¥ 90	4 6 11	16	12.0	NO V	125.1 12.0			-GLACIOFLUVIAL DEPOSITS- Bottom of exploration at 12.0 ft	
	ate 6-06	Wa Time	ter Lev Elaps Time (	ed_		th (ft. Botto of Hs	Mator	T Thin Wall Tube  U Undisturbed Sample  T Thin Wall Tube  Cuttings  Samples   12.0	
Fie	eld Tes	ts:		Dilat	ancy:	R-F	Rapid, S-Si	S Split Spoon G Geoprobe Community Seal  Concrete Bentonite Seal  Down, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	B40
		noler blov	ws per 6 te: So	Toug	hness Ma	ximum	ow. M-Me	dium, H-High Dry Strength; N-None, L-Low, M-Medium, H-High, (in,) is determined by direct observation within the limitations of sampler size.    Sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.	/-Very High

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:\33743W00\DATABASES\33743G00TB.GPJ Nov 14, 08

National Content   Sample   Identification   Sample   Identification   Sample   Identification   Identific	H.	LEY &	& H					TEST	BORING REPORT  Boring No.	B41
Casing   Sampler   Barrel   Dilling   Equipment and Procedures   Dilling   M. Glyun	Clie	nt	<b>CULL</b>	To be	100	THO	g M	fanchester,	Sheet No. 1 of 1 Start Septemb	er 27, 2006
Type   HSA				C	asing	San	pler	Barrel	Balling Fandamanta at Bassadana	
Sample   Diameter (in.)   A	Type						s	-	14. 01).	
Hammer   Weight (b)   - 140   - 26   - 30   - 4   - 30   - 4   - 4   - 30   - 4			neter (i							
Harmone Fall (in.)   -   30			•				-	_	Landing Can Diag	
Visual-Manual Identification and Description   Convell Sand   Special Test   February   Convell Sand   Special Test   Specia								320	Casing. Spun	
10   St   0.5			o' 😙		Ε	£	log			
10   St   0.5	(ft.)		S E	e E	lagra	Ge D	Symt	V	/isual-Manual Identification and Description	S S A
10   S1   0.5		SPT	Samp & Rec	Samp	Well Di	Elev./I	uscs a	(Density structure, o	y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , color, moisture, optional descriptions, geologic interpretation)	Toughr Plastici
Dense red-brown poorly-graded SAND, no odor, moist	- 0 -									
13	a [					0.5			-brown and gray poorly-graded SAND with gravel, no odor, \[ \begin{align*} 10 & 20 & 25 & 40 & 5 \end{align*}	
20   SZ   2.5	5	37							-FILL-	
Section   Sect		20 21 20				2.0	SP	Dense red-	-brown poorly-graded SAND, no odor, moist	
Sample Identification   Well Diagram   Summary		22	ļ							
19	-5-	15 16					SP	Dense red-	-brown poorly-graded SAND, moist	
10   3   5   10.0   5   10.0   11   12.0   2   125.3   12.0					ļ			G:		
Water Level Data  Date Time Elapsed Fime (hr.) of Casing of Holia Geoprobe  Bottom Bottom Bottom Bottom Of Plasticity Filter Sand  Some of Elapsed Of Casing of Holia  Date Time Elapsed Fime (hr.) of Casing of Holia  Date Time Elapsed Filter Sand  Some of Casing of Holia  Some of Elapsed Overburden (lin. ft.) 12.0  Rock Cored (lin. ft.) -  Sample Identification Well Diagram Summary  Open End Rod  Total Thin Wall Tube  Some of Casing of Holia  Some of Casing of Holia  Some of Casing of Holia  Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Geoprobe  Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Dry Strength: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High	2.1	27 26			STALLED			Similar to	S3, except very dense, wet	
Water Level Data  Date Time Elapsed Fime (hr.) of Casing of Holia Geoprobe  Bottom Bottom Bottom Bottom Of Plasticity Filter Sand  Some of Elapsed Of Casing of Holia  Date Time Elapsed Fime (hr.) of Casing of Holia  Date Time Elapsed Filter Sand  Some of Casing of Holia  Some of Elapsed Overburden (lin. ft.) 12.0  Rock Cored (lin. ft.) -  Sample Identification Well Diagram Summary  Open End Rod  Total Thin Wall Tube  Some of Casing of Holia  Some of Casing of Holia  Some of Casing of Holia  Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Geoprobe  Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Dry Strength: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High	-10 -	5			NO WELL IN		SW	Medium de	ense red-brown well-graded SAND - 5 30 40 20 5	• • •
Water Level Data  Depth (ft.) to: O Open End Rod Time (hr.) Of Casing of Hole  9-27-06  Dilatancy: R-Rapid, S-Slow, N-None Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilatancy: R-Rapid, S-Slow, N-None Dilat		11			~	125.3			-GLACIOFLUVIAL DEPOSITS-	
Date Time   Elapsed   Depth (ft.) to:   O Open End Rod   Filter Sand   Rock Cored (lin. ft.)   12.0    9-27-06     -   5.0   U Undisturbed Sample   Something Sam					1				Bottom of exploration at 12.0 ft	
Date Time   Elapsed   Depth (ft.) to:   O Open End Rod   Filter Sand   Rock Cored (lin. ft.)   12.0    9-27-06     -   5.0   U Undisturbed Sample   Something Sam								76		
Date Time   Elapsed   Depth (ft.) to:   O Open End Rod   Filter Sand   Rock Cored (lin. ft.)   12.0    9-27-06     -   5.0   U Undisturbed Sample   Something Sam										
Date Time (hr.)    Solidary   Sol			Wa	ter Lev	rel Da					
9-27-06 5.0 U Undisturbed Sample Something of Hole Something o	D	ate	Time		1 .				O Open End Rod Screen Overburgen (IIn. Tt.) 12	0
Field Tests:  Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High To	9-2	7-06	i#:	I ime (			_o(H	ole vvater	T Thin Wall Tube Filter Sand Rock Cored (lin. ft.) U Undisturbed Sample Cuttings Samples 5S	
Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High  SPT = Sampler blows per 6 in.  Maximum particle size (in.) is determined by direct observation wilhin the limitations of sampler size.									S Split Spoon Concrete Boring No. B	41
SPT = Sampler blows per 6 in. Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.	Fie	eldi Tes	ts:						low, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	Jery High
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.	'SP	T = Sar	npler blo	ws per 6	in.	<sup>2</sup> Ma	numix	particle size	(in.) is determined by direct observation within the limitations of sampler size.	VALY JUST

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:037743000DATABASES133743000TB\_GPJ

Nov 14, 06

HA AL	ALEY & DRIC	& H					TEST	BORING REPOR	RT		B	ori	ng	, N	o.			B42		
Proj Clie Con	nt	Propose Seab				ng N	fanchester,	, Connecticut			St	art	l N	0.	1 o Sep	f 1 terr	ıber	27,		
			Ca	asing	San	pler	Barrel	Drilling Equipmen	t and Procedures			nish iller			•		iber ring		. 201	ŊΦ
Туре	÷		E	ISA	5	S	- 3	Rig Make & Model: Truck	mounted B53		Нδ	ŁΑ	Re			Par				
Insid	le Diar	neter (ii	n.)	4	1	3/8		Bit Type: Cutting Head				eva atun		n		35.	54 /D	20		
Ham	me <b>r</b> V	/eight (l	b.)		1	40	-	Drill Mud: None Casing: Spun			-	cat	_	1 ;		Pla		00		
Ham	mer F	all (in.)		<b>30</b> 1	3	0	1.00	Hoist/Hammer: Winch / S	Safety Hammer											
<b>a</b>		9 (÷	<b>a</b>	E E	bt	Symbol	\	/isual-Manual Identification	and Description			vel		San			F	ield ø	Tes	t
Depth (ft.)	₹	ple l ac. (i	F Personal	Diagr	/De	Syn		·			Coarse	ည	Coarse	Medium	De C	Seu	incy	hnes	city	ag.
o Deb	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	uscs		y/consistency, color, GROUP odor, moisture, optional descri		on)	გ გ	% Fine	ა ზ	₩ W	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
-	13 12 19 20	S1 18	0.5 2.5			SP- SM	Dense red-	brown poorly-graded SAND v	vith silt and gravel, moist		•	20	10	30	30	10	3401	(=)		•
	19 21 24 26	S2 16	2.5 4.5				Similar to	S1, except less gravel	*)			10	10	40	30	10		(*)	-	
- 5 -	7	S3	5.0		,,,,,	GP	Madium d	ense gray poorly-graded GRA\	VVI with sand odor was		, n	10	20	30	10	10				
-	14 15 19	16	7.0		130.0 5.5	Gr	Medidiii de	-FILL-	VEL With Sand, Outr, wet	_		10	20	50	10	10				
	9 12 13 15	54 16	7.0 9.0	NSTALLED		SM	Very stiff i	red-brown sandy SILT, wet			•	4		(4)	30	70	II.	*	-	22
-10 -	3 4 4	S5 16	10.0 12.0	NO WELL INSTALLED			Similar to	S4, except medium stiff												
	5				123.5 12.0			-GLACIOFLUVIAL Bottom of Explorati		$\dashv$	4	$\dashv$	4		_	_	_			
							-									the state of the s				
		Wa	ter Lev			th (ft.	) to:	Sample Identification	Well Diagram  Riser Pipe	_	_1			nm	100					
	ate 7-06	Time	Elaps Time (	he I E	Boltom Casing	Botto of Ho	M Motor	O Open End Rod T Thin Wall Tube U Undisturbed Sample	Screen Filter Sand Cuttings	Ove Roc San	k (	Cor				)	2.0			
<del>y-</del> 2	,-00	150					3.0	S Split Spoon	Grout Concrete	Bor	•		No.	).	J		B42			
Fie	eld Tes	ls.		Dilat	ancy:	R-F	Rapid, S-SI	G Geoprobe ow, N-None Plas	Bentonite Seat sticity: N-Nonplastic, L-Lo						Hia					
_		npler blov		Toug	hness	L-L	.ow. M-Me	dium, H-High Dry (in.) is determined by direct obs	Strength: N-None, L-Low	/. M-N	/le	diur	n.	H-H	ligh	V	-Ve	уН	igh_	
								sual-manual methods of ti						h,	Inc.					

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:033743:000:DATABASES:33743000TB.GPJ Nov.14, 06

H/AL	LEY & DRIC	ξ H					TEST	BOR	RING REP	ORT				В	ori	ing	j N	lo.		В4	3-C	W	
Proj Clie Con			osed R			_	fanchester.	, Conne	ecticut					Sł	le N nee art	t N	0.	1 o Sep	f 1	ber	27,		
			Ca	asing	San	npler	Barrel		Drilling Equip	ment and	d Pro	ocedures			nisl ille				tem Gly	iber	27,	20	J6
Туре		-	F	ISA	S	S	-	Rig M	ake & Model: T	ruck mou	inted	B53							Par				
		neter (ir	1.)	4	1:	3/8			pe: Cutting He	ead					eva atur		П		32.	58 /D	00		
Ham	mer V	/eight (I	b.)	×	14	40	°	Casing	lud: None g: Spun					_	ca		1	_	Pla		00		
Ham	mer F	all (in.)			3	0	- 8		Hammer: Wind	ch / Safety	у На	ımmer											
<b></b>		No.	2	ram	pth	Symbol	\	/isual-N	/lanual Identific	ation and	d De	escription			ivel		San	_			ield	Tes	t
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Syr	(Densit	y/consis	tency, color, GR	OUP NAM	1E, n	nax. particle size², eologic interpretat		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -	10 16	S1 14	0.5 2.5	9///		SP	Dense red-	brown p	oorly-graded SA	ND, dry		110,510		-	10	10	50	30	V€:				*
.	16 20	\$2	2.5				Similar to	S1, exce	ept moist														
	15 16 13	5	4.5																				
-5-	8	\$3	5.0		127.6 5.0	SP-	Madiana	1		ILL-	D	tal		10	_	10	40	30	10	-	-	-	
	9 7 7	7	7.0		5.0	SM	Medium de	ense reg	-orown poorty-gr	aded SAIN	υw	ith silt, no odor, w	/et	10		10	40	30	10				
	6 8 7	\$4 16	7.0 9.0			SP	Medium de	ense red	-brown poorly-gr	aded SAN	D, v	vet			æ	5	60	30	5	×	3		*
	9																						
-10 - -	5 6 7	\$5 18	10.0 12.0				Similar to	S4	8							A							
- 3	7				120.6				-GLACIOFLU\		_			_	L								
					12.0				Bottom of Expl	loration at	12.0	) ft											
													3										
		10/0	ter Lev	I Do	ta			T 00	mple Identificat	tion I	10/0	ell Diagram		_		2	m	ary	Ц			_ 5	
D.	ate	Time	Elaps	ed	Dep	th (ft.			Open End Rod		$\Pi$	Riser Pipe	Ov	erb						2.0			-
D:	uig	111111111111111111111111111111111111111	Time (		ottom Casing	Botto of Ho		T	Thin Wall Tube			Screen Filter Sand	Ro	ck	Cor			. ft.	)	-			
	7-06	1500	30		(#X)		4.0	U	Undisturbed Sai			Cuttings Grout	Sai	-		_	_	5	<u>S</u>	_	_		-
y-2	9-06	1500			5 <b>5</b> 5	-	3.3	S G	Split Spoon Geoprobe	S	7	Concrete Bentonite Seal	Во		_					3-C	W		
	eld Tes		77		hness:	L-1	Rapid, S-SI ow, M-Me	dium. I	H-High	Dry Stre	natt	I-Nonplastic, L-L n: N-None, L-Lo	w. M-	Me	diu	m.	H-I	Hig High	h h V	-Ve	yН	igh	
'SP	T = Sar	npler blov Not										vithin the limitations is as practiced by					ch,	Inc					

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:03743000UDATABASES03743000TB.GPJ Nov14,06

HA AL	LEY & DRIC	ž H	eillige				TEST	BORI	ING REPOR	T			В	ori	ng	ΙN	о.			B44		
Proj Clie Con	nt	Propo				g N	Sanchester,	, Connec	cticut				Sh	art	N	0.	1 o Sep	f 1 otem	iber	27		
			Ca	asing	Sam	pler	Barrel		Drilling Equipment	and Pro	ocedures			nish iller			•		iber ring			UD
Туре				ISA	-	s		Rig Ma	ke & Model: Truck r	nounted	B53							Par	_	1011		
•		neter (ir	- 1	4		3/8			e: Cutting Head					eva		n		30.		00		
		/eight (I		-		40		Drill Mu Casing	ud: None			ł	_	tur cat	_	1		Pla	/D	88		
		all (in.)		9	3	0	=	1	: Spun lammer: Winch / Sa	afety Ha	mmer											
		9.3		E	£	log Q		<i>r</i>		d D-		- 1	-	vel		San	_		F	ield	Tes	st
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Densit	v/consiste	anual Identification ency, color, GROUP N sture, optional descrip	NAME. m	nax. particle size <sup>2</sup> .	on)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0 -		(1) ∞		5	130.5	<u> </u>			SITUMINOUS CONC				5.		Ē		Ě	Ė	_	=	a.	6)
	10	S1	0.5		0.4	SP	Medium de		prown poorly-graded S				•	5		20	70	5	•		٠	
	12 14 16	18	2.5											20		26	40	£				
	18 12 9 14	\$2 14	2.5 4.5			SP	gray grave		orown and gray poorly	-graded	SAND With layer o	or	-	20	-	23	40	٦				Î
- 5 -	13 17 21	S3 18	5.0 7.0			SP	Dense red- M.C.=11.		oorly-graded SAND w	ith grave	el, no odor,		-	30	20	40	10		-			
	26				123.9				-FILL-													
	23 14 10 10	S4 16	7.0 9.0	ALLED	7.0	SP	Medium d	lense red-t	brown poorly-graded S	SAND, w	vet											
-10 -	10 6	\$5 10	10.0	NO WELL INSTALLED		SP- SM	Loose red-	-brown po	oorly-graded SAND w	ith silt			120	20	30	20	20	10	×	-		
	4	10	12.0	2		JIVI																
	8				118.9 12.0	_			-GLACIOFLUVIAL : Bottom of Exploration				_	_	_	_	_	L	_	_	L	⊢
								,	Solom of Exposition													
C	ate	Wa Time	ter Lev Elaps	ed_		th (ft.		0 0	nple Identification  Dpen End Rod	We	ell Diagram Riser Plpe Screen	Ove	dne				nary		12.0			
	7-06	-	Time (		Casing -			Ü	Thin Wall Tube Undisturbed Sample Split Spoon		Filler Sand Cuttings Grout	Sar	np	les		_		S	-	_		
								G	Geoprobe		Concrete Bentonite Seal	Во		_			1.02		B44	7		
	eld Tes		ue nos o	Toug	ancy: hness	. 1.	Rapid, S-S Low, M-Me	edium H	None Plas I-High Dry etermined by direct obse	Strength	I-Nonplastic, L-Lone, N-None, L-Lone,	N. M-	Me	diu	m	H-	High	)n h. \	/-Ve	ηŁ	ligh	450
SP	1 = 28	npler blov No	te: So	il ide	ntifica	tion i	pased on v	isual-ma	nual methods of th	e USCS	as practiced by	Hale	y 8	AI	dri	ch,	Inc					

USCS\_TB4 USCSUB4.GLB USCS\_TB5.GDT G:03743000UDATABASES03743000TB.GPJ Nov14,06

H/AL	ALEY o	& H					TEST	BORING REPOR	RT	E	ог	ing	g N	lo.			B45	i	
Proj Clie Con	nt	Prop Seab			* ·	-	fanchester.	, Connecticut		S	ile I hee tart inis	et N	lo.	1 c Se <sub>I</sub>	f 1	-000 hber	27		
Type		neter (i	F	asing ISA 4	5	npler SS 3/8	Barrel -	Drilling Equipment Rig Make & Model: Truck Bit Type: Cutting Head		D H	rille	Re atio	p.	M. <u>M.</u>	Gly Par 31.	/nn rdi			
		Veight (			3	40 80		Drill Mud: None Casing: Spun Hoist/Hammer: Winch / S	afety Hammer	L	oca	itioi	n Sar	See	Pla	n		Tes	st
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Densit	/isual-Manual Identification y/consistency, color, GROUP idor, moisture, optional descri	NAME, max. particle size <sup>2</sup> ,	COarse	% Fine	Coarse	Medium	_	% Fines		Toughness	Plasticity	
- 0 -	8 10 9 7	S1 12	0.5 2.5			SP- SM	Medium de	ense brown poorly-graded SAN	ID with silt, moist			5	35	50	10	8	9)	•	*
- (i	5 3 2 2	S2 16	2.5 4.5			SM	Very loose	e brown silty SAND, organic of	dor, moist		(•€)		35	50	15				9
-5-	2 2 2 2 2	S3 12	5.0 7.0		126.5 5.0	ML	Soft dark g	-FILL- gray-brown sandy SILT with or -POSSIBLE WETLANI											
5	28 41 45 51	S4 18	7.0 9.0	NO WELL INSTALLED	7.0	SM	Very dense	e red to red-brown silty SAND	with gravel	10	10	15	25	25	15	3003			•
-10 -	6 10 10 14	S5 18	10.0 12.0	NO WELL			Similar to												
-	-				119.5 12.0			-GLACIOFLUVIAL Bottom of Exploration		-		H	Н		-	_		$\dashv$	
					- 1							\$							
		Wa	er Lev	el Da				Sample Identification	Well Diagram		- 3	Sur	nm	ary					
	ate 7-06	Time	Elapsi Time (l	hr 1 E	Dep lottom Casing	Botto of Ho	m Mator	O Open End Rod T Thin Wall Tube U Undisturbed Sample	Riser Pipe Screen Filter Sand Cuttings	Overb Rock Samp	Coi				)	2.0			
								S Split Spoon G Geoprobe	Grout Concrete Bentonite Seal	Borir	_					B45			
	eld Test			Toug	ancy: hness:	1-1	ow M-Mer	dium H-High Dry	ticity: N-Nonplastic, L-Low Strength: N-None, L-Low	M-Me	diu	m.	H-1	High ligh	) . V	-Ver	уН	gh	_
SP	ı = San	npler blov Not						(in.) is determined by direct obse sual-manual methods of th					ch,	nc.		_			

USCS\_TB4 USCSLB4,GLB USCS\_TB5,GDT G:333743000DATABASES33743000TB,GPJ Nov14,06

HA AL	LEY & DRIC	يخ H					TEST	BOR	ING REPOR	<b>?</b> Т	В	ori	ing	j N	o.			B46	;	
Proj Clie Con	nt	Propo					fanchester,	, Connec	eticut		SI	art	ŧΝ	lo.	1 o Sep	f 1	000	27,		
			Ca	asing	San	npler	Barrel		Drilling Equipment	and Procedures	1 ' '	nisi rille					ring			30
Туре			1	ISA	5	SS		Rig Ma	ke & Model: Truck	mounted B53	H	&A	Re			Par				
		neter (ir		4		3/8	.=0	Bit Typ	_			eva		n		31.		00		
		/eight (l		à		40	-	Drill Mu Casing	id: None			atu		<u> </u>		Pla	VD m	88		-
		all (in.)				30	-		: Spun lammer: Winch / S	afety Hammer										
		0.0		E	£	ğ					Gra	ave		Sar	$\overline{}$		F	ield	Tes	st
£		e in	ft.)	agra	)deb(	Symbol	\	/isual-M	anual Identification	and Description	85	_	Coarse	Ë	1	SS	ক	ess	ξ¢	۽
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	nscs (				NAME, max. particle size <sup>2</sup> , otions, geologic interpretation	Coarse	% Fine	% Coar	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -					131.1			В	ITUMINOUS CONC	RETE (5 in.)										
	5 13	S1 ??	0.5		0.4	SP	Medium de	ense red-b	prown poorly-graded S	SAND, dry	•	-	7	10	90	*	740	•	•	3.0
	13 16 38		2.5																	
	13 10 6 7	\$2 0	2.5 4.5				No recove	гу												
- 5 -	2	S3	5.0	-		SP	I nose red.	brown no	orly-graded SAND, n	noist			Н							
	1	4	7.0			51	Loose rea-	brown po	orly-graded britto, is	1000				İ.						
	1	1			10.4				-FILL-											
- 1	10	S4	7.0	1	124.5 7.0	SP-	Medium d	ense red-l	brown poorly-graded \$	SAND with silt, wet		5	30	25	30	10	-	-	-	7.
	6 18 19	16	9.0	INSTALLED		SM														
- 10 -	5	S5	10.0	NO WELL IN			Similar to	<b>5</b> 4												
-8	7	18	12.0	8									l							
	10				119.5			16	-GLACIOFLUVIAL	DEPOSITS-										
					12.0				Bottom of Exploration	on at 12.0 ft										
									ø											
											3									
							12													
		Wa	ter Lev	/el Da	ta	-		San	nple Identification	Well Diagram		_	Su	mm	arv		_	-		=
ь	ate	Time	Elaps	sed _	Dep	oth (ft			Open End Rod	Riser Pipe	Overb						12.0	)		
- D	ate	inne	Time (		Bottom Casing			- ⊤	Thin Wall Tube	Filter Sand	Rock	Co	red	-	ı. ft	.)	-			
9-2	7-06		2		•	1.5	6.0	1	Undisturbed Sample	T.S. Cuttings Grout	Samp			_	_ 5	S	-			_
									Split Spoon Geoprobe	Concrete Bentonite Seal	Borii	ng	No	о.			B4(	5		
Fie	eld Tes	ts:			ancy:	R-	Rapid, S-S	low. N-N	None Plas	sticity: N-Nonplastic, L-Low Strength: N-None, L-Low	, M-M	edi	um	, H	-Hig	h	/_V^	n/ L	liab	
1SP	T = Sa	mpler blo	ws per 6	in.	hness Me	ximun	Low, M-Me particle size	(in.) is de	stermined by direct obse	ervation within the limitations of	sample	r siz	e,				-ve	, y F	nuti	_
'SP	T = Şaı	mpler blov <b>N</b> o	ws per 6 te: So	in.	2Ma	ximun	n particle size	(in.) is de	stermined by direct obse	ervation within the limitations of ne USCS as practiced by F	sample	r siz	e,						record	

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT 6:03743000DATABASES03743000TB.GPJ Nov.14.06

HA AL	LEY & DRIC	交 H					TEST	BOF	RING REP	ORT		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		В	or	ing	j N	lo.		I	347	•	
Proj Clie Con			osed R				Manchester .	, Conn	ecticut					s s	le N hee tart	t N	lo.	1 c Sep	f 1	000 iber	27,		
			Ca	asing	San	npler	Barrel		Drilling Equip	ment and	d Pr	ocedures			rille			_		ring		, 20	•
Туре	:		F	ISA	S	SS			lake & Model: T		inted	B53		_					Par				
insid	e Diar	neter (ii	n.)	4	1	3/8	-		rpe: Cutting He Aud: None	ead					leva atui		n		31. VAV	48 /D {	38		
Ham	mer V	/eight (l	b.)	-	1	40		Casin						L	oca	tior	1	See	Pla	n			
Ham	mer F	all (in.)		_		30	-	Hoist	Hammer: Wind	h / Safet	у На	nmer			Z8.45804		_		-	_		771	_
Œ		S.(j	£	gram	spth	Symbol	\	√isual-I	Manual Identific	ation an	d De	escription		1	ave	-	Sar E	Y-			ield s		Г
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Sy	(Densit structure, o	ty/consist odor, mo	stency, color, GR0 bisture, optional d	OUP NAM escription	/Æ, n	nax. particle siz eologic interpre	e², tation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Otronosth
0 -	5 10 13 16	S1 15	0.5 2.5			SP- SM	Medium d	ense red	l-brown poorly-gra	aded SAN	ID w	ith silt, moist	(*)	-	-	10	30	50	10				
	18 21 33 37	S2 14	2.5 4.5				Similar to	S1, exc	ept very dense							6.							
5 -	5 7 8 13	S3 13	5.0 7.0			SP- SM	Medium d	ense red	i-brown poorly-gra	aded SAN	ID w	ith silt, moist			5	50	30	50	10	*	9	æ	
	4 6 9	S4 12	7.0 9.0	TLED			Similar to	\$3															
	10			VSTA	122.5 9.0				-JF)	ILL-					_	L	L	_		_	_		_
10 -	8 11 12	S5 3	10.0 12.0	NO WELL INSTALLED	9.0	SP- SM	Medium d	ense red	l-brown poorly-gra	aded SAN	ID w	ith silt, wet		-	-	20	50	20	10	-	*	·•):	
	11	حلاجلاص			119.5				-GLACIOFLUV												Ш		L
					12.0				Bottom of Expl	oration at	12.0	) ft											
																				1000000			
												(8)											
_		Wa	ter Lev	rel Da	ta	_		Sa	mple Identificat	lion	We	ell Diagram		_	]	Sui	mm	ary				lion-	
Di	ate	Time	Elaps	ed		th (ft.		0	Open End Rod			Riser Pipe Screen	0	/erb						2.0			
			Time (		Casing		<sub>ole</sub> vvater	1	Thin Wall Tube		3.	Filter Sand		ock		red	(lin			-			
9-2	7-06	27/			190	=	6.0	U	Undisturbed Sar Split Spoon	Tible		Cuttings Grout	_	imp		_	-	5			_	1	-
						L		G	Geoprobe	Ø		Concrete Bentonite Seal		orin	-					B47			
	eld Tes			Toug	ancy: hness	: 14	Rapid, S-S Low, M-Me	edium.	H-Hiah	Dry Stre	enath	l-Nonplastic, L n: N-None, L-	Low. N	-ME	ediu	m.	H-I	High	n n. V	-Ve	уН	igh	
'SP	T = San	npler blov No	ws per 6 te: So	in. il ide:	<u>'Ma</u>	tion b	particle size pased on v	isual-m	determined by direction	of the U	SCS	as practiced	ns of sar by Hal	nple ey 8	AI	e. dri	ch.	Inc					-

USCS\_TB4 USCS\_UB4.GLB USCS\_TB5.GDT G:33743000/DATABASES/33743000TB.GPJ Nov 14, 05

Proposed Renail Building	HA AL	LEY d DRIC	ξε H	i.e.			10	TEST	BORI	NG REPOR	RT.			В	ori	ng	j N	о.			 B48		
Part   Procedures   Procedure	Clie	nt						Manchester (	, Connect	ticut				Sh St	ee art	t N	0.	1 o Sep	of I	iber	27,		
No				C	asina	San	npler	Barrel	ı	Drilling Equipment	and Pr	rocedures						-					J6
Second   Diameter (in.)   4   1.3/8   District   Dist	Type			_		-	_		Rig Mak	ce & Model: Truck	mounted	i B53									.011		
Fired   Tests:   Delta   Del			neter (ir	- 1					Bit Type	e: Cutting Head			- 1				п						
			·	1				=						_		_	_		_		88	-	-
				/		10				F	afetv H:	ammer	1				,	,,,,		•••			
No.   Section					E									3ra	vel		San	ıd		F	ield	Tes	t
No.   Section	(ft.)		E Ž	o €	agrar	Cept	driv	'	√isual-Ma	nual Identification	and De	escription		Se		rse	irm		ပ္သ	के	ess	<u>≻</u>	ے
No.   Section	pth	౼	Rec	amb	Ö	]/`^e	SS	(Densit	y/consiste	ncy, color, GROUP	NAME, r	max. particle size²,	. [	Coa	Fine	ပ္ပိ	Mec	FIne	FIne	atan	nghr	stici	engt
S		S)	ഗ് യ	ωĞ	₹	国は	S	structure, d	odor, moist	ture, optional descrip	otions, g	jeologic interpretati	on)	%	%	%	%	%	%	Ö	မ	윤	St.
10   9   S5   10.0   10   11.1   12.0     Sample Identification   Well Diagram   Summary   Similar to S1, except wery dease   -	- 0 -		21	0.5			CD	Madina	4 % .		CANTO.	maint			5	10	40	40	5				-
Similar to S1, except very dease	.	12					5r	Medium d	ense red-bi	rown poorty-graded a	SAND, I	moist		-	٦	10	70	**		2.1	0		2
Similar to S1, except very dense							32																
Septending Septendin		23	S2	2.5				Similar to	S1. except	t verv dense					5	10	40	40	5				•
11		35								•			1										
11   S3   5.0     S7   Similar to S2, except medium dense, wet	.												1										
11   S3   5.0     S7   Similar to S2, except medium dense, wet	- 5 -																						
No recovery   No recovery	Ů						SP	Similar to	S2, except	t medium dense, wet			İ										
10   10   10   10   10   10   10   10	-	14		""									ľ										
10			- 04	7.0				No seess		ě.													
Water Level Data  Date Time Elapsed Time (hr. 1 Bottom Bottom of Holz of Holz of Holz of Holz of Holz of Holz of Holz of Holz Spile Spoon G Geoprobe  Spile Tests:  Dilatancy: R-Rapid, S-Slow, N-None G Geoprobe Spile Spoon G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprob					Œ			No recove	ery														
Water Level Data  Date Time Elapsed Time (hr. 1 Bottom Bottom of Holz of Holz of Holz of Holz of Holz of Holz of Holz of Holz Spile Spoon G Geoprobe  Spile Tests:  Dilatancy: R-Rapid, S-Slow, N-None G Geoprobe Spile Spoon G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprob					ALL															H			
Water Level Data  Date Time Elapsed Time (hr. 1 Bottom Bottom of Holz of Holz of Holz of Holz of Holz of Holz of Holz of Holz Spile Spoon G Geoprobe  Spile Tests:  Dilatancy: R-Rapid, S-Slow, N-None G Geoprobe Spile Spoon G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprob	- 1				LSNI																		
Water Level Data  Date Time Elapsed Time (hr. 1 Bottom Bottom of Holz of Holz of Holz of Holz of Holz of Holz of Holz of Holz Spile Spoon G Geoprobe  Spile Tests:  Dilatancy: R-Rapid, S-Slow, N-None G Geoprobe Spile Spoon G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprob	-10 -				1		_																
Water Level Data  Date Time Elapsed Time (hr. 1 Bottom Bottom of Holz of Holz of Holz of Holz of Holz of Holz of Holz of Holz Spile Spoon G Geoprobe  Spile Tests:  Dilatancy: R-Rapid, S-Slow, N-None G Geoprobe Spile Spoon G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprobe Spile Spoon G G Geoprob	,,				W.E			Dense red	-brown po	orly-graded GRAVE	L with s	ilt and sand		40	20	20	10	**	10	*	*	-	=
Water Level Data  Date Time Elapsed Time (hr.)  Bottom Bottom Water Action Bottom Water of Casing of Hole  9-27-06  5.0  U Undisturbed Sample  S plit Spoon G Geoprobe S Split Spoon G Geoprobe G Geoprobe S Split Spoon G G Geoprobe S Split Spoon G G Geoprobe S Split Spoon G G Geoprobe S Split Spoon G G Geoprobe S Split Spoon G G G Geoprobe S Split Spoon G G G G G G G G G G G G G G G G G G G	-	23		12.0	ž																		
Water Level Data  Sample Identification  Well Diagram  Summary  Date Time Elapsed Time (hr.)  Bottom Solution of Casing of Hole Water of Hole Solution of Hole Solution of Hole Solution Split Sponds  9-27-06  5.0 U Undisturbed Sample Solution Split Sponds  S Split Sponds  Field Tests:  Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High Spt = Sampler blows per 6 in.		20													_	L	L	H	L		_	_	_
Date Time   Elapsed   Depth (fft.) to:						12.0				Bottom of Exploration	n at 12.	υ π											
Date Time   Elapsed   Depth (fft.) to:																							
Date Time   Elapsed   Depth (fft.) to:																							A1
Date Time   Elapsed   Depth (fft.) to:																							
Date Time   Elapsed   Depth (fft.) to:																							
Date Time   Elapsed   Depth (fft.) to:						3.																	
Date Time   Elapsed   Depth (fft.) to:																							
Date Time   Elapsed   Depth (fft.) to:																							
Date Time   Elapsed   Depth (fft.) to:																							
Date Time   Elapsed   Depth (fft.) to:																							
Date Time   Elapsed   Depth (fft.) to:	- 8					<u> </u>			<del>-</del>	.1. 1.1. 197 0		all Diameter	!	_	_		L		Ш	_	I	_	_
Date Time (hr.) Bottom   Bottom   Gasing of Hole   Filter Sand   Filter Sand   Filter Sand   Grout   Gasing   Gasing   Grout   Gasing			Wa	1			th (ff	) to:	1				O	-اس						10.0	_		_
9-27-06 5.0 U Undisturbed Sample S Split Spoon G Geoprobe  Field Tests:  Dilatancy:  R-Rapid, S-Slow, N-None Dry Strength: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High SPT = Sampler blows per 6 in.  Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.	D	ate	Time		hr E	Bottom	Botte	om Water		•	国	Screen					•			.2.0	,		
Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High	9_7	7-06		-	- Ior	- casing	_	Ove	-1			Cuttings					\·"						
Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High  SPT = Sampler blows per 6 in. Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.								5.0	s s	Split Spoon	, A.		Bo	in	10	No	).			B4s	3		
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High  SPT = Sampler blows per 6 in.  Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.					Dilat	ancur		Ranid S.S			ticity: h	Bentonite Seal			_			Hin			_		
Note: Soil Identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.				the bear	Touc	hness		low M-Me	dium H-	High Dry	Strengt	h: N-None, L-Lo	w. M-I	Vie	diu	m.				/-Ve	Ŋ.	ligh	
	'SF	r = Sa	npler blo No	ws per 6 te: So	oil ide	ntifica	tion t	particle size	isual-mai	nual methods of the	e USC	S as practiced by	Hale	ле! , 8	Al	dri	ch,	Inc					

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:\03743\000\DATABASES\03743000TB.GPJ

Nov 14, 06

HA AL	LEY & DRIC	交 H					TEST	BORING REPORT  Boring No.	B49	
Proj Clie Con			osed Ro				fanchester		00 per 27, 20 per 27, 20	
			Ca	sing	Sam	npler	Barrel	Drilling Equipment and Procedures Finish Septemble Priller F. Harri		000
Туре			Н	(SA	S	S	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pard		
Insid	e Dian	neter (ir	1.)	4	1:	3/8	_	Bit Type: Cutting Head Elevation 130.5		
Ham	mer V	eight (I	b.)			40	-	Drill Mud: None  Casing: Spun  Datum NAV  Location See Plan		
Ham	mer F	all (in.)		12	3	0	*	Hoist/Hammer: Winch / Safety Hammer		
$\overline{a}$		\$ 7	_	Ĕ	É	豆	,	Gravel Sand	Field Te	est
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Densit	/isual-Manual Identification and Description  //consistency, color, GROUP NAME, max. particle size², dor, moisture, optional descriptions, geologic interpretation)	Toughness Plasticity	Strength
0 -		07 45	0,12	>	130.4			BITUMINOUS CONCRETE (3 in.)	 □   -  □	. 0,
	12	S1	0.5		0.2	SP	Dense red-	brown poorly-graded SAND, moist 10 35 50 5		
	15 21 19	20	2.5		)					
	20 22 19 25	\$2 20	2.5 4.5				Similar to	SI III		
- 5 -	8 8 9 12	S3 15	5.0 7.0				Similar to	S2, except loose, moist		
	1 1 1	S4 10	7.0 9.0	STALLED		SP- SM	Very loose	red-brown poorly-graded SAND with silt, wet		
10 -	2 2 8	S5 6	10.0 12.0	NO WELL INSTALLED		SP- SM	Loose red-	brown poorly-graded SAND with silt and gravel 5 10 25 30 20 10		
	16				118.6			-GLACIOFLUVIAL DEPOSITS-		-
					12.0			Bottom of Exploration at 12.0 ft		
			- 8							
		Wa	ter Lev	el Da				Sample Identification Well Diagram Summary		
	ate	Time	Elaps Time (	hr B	Dep ottom Casing	th (ft. Botto of Ho	om Water	T Thin Wall Tube Screen Rock Cored (lin. ft.)	2.0	
9-2	7-06	5.	3.5		<b>3</b>	•	5.0	Grout		_
								G Geoprobe Seal Boring No.	49	
Fie	eld Tes	ts:		Dilata	hness	L-1	Low, M-Me	ow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High dium, H-High N-None, L-Low, M-Medium, H-High, V-	Very High	)
SP	T = San	npler blov	ws per 6	in.	<sup>2</sup> Ma	ximum	particle size	(in,) is determined by direct observation within the limitations of sampler size.  sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.		

USCS\_TB4 USCSLIB4.GLB USCS\_TB5,GDT 6;437439000DATABASES13743000TB.GPJ Nov.14, 05

HA AL	LEY & DRIC	₹ H	,				TEST	BORING REPORT  Boring No.	B50
Proj Clier Con	nt	Prop					fanchester.		
			Ca	asing	San	npler	Barrel	Drilling Equipment and Procedures Driller F. Harr	ington
Туре	}		E	ISA	5	SS	;⊕);	Rig Make & Model: Truck mounted B53 H&A Rep. M. Par	
Insid	e Diar	neter (i	1.)	4	1	3/8	(€)	Bit Type: Cutting Head Elevation 130.  Drill Mud: None Datum NAV	/D 88
		/eight (I	b.)	3		40	:#:	Casing: Spun Location See Pla	n
Ham	mer F	all (in.)		-		80	-	Hoist/Hammer: Winch / Safety Hammer  Gravel   Sand	Fleld Test
£		(in.)	w∰	gram	epth	Symbol	١	/isual-Manual Identification and Description	SS
Depth (ft.)	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS S	(Densit	Visual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , and of the properties of the proper	Dilatancy Toughness Plasticity Strength
- 0 -	6 9 13 14	S1 20	0.5 2.5			SP	Medium de	ense red-brown poorly-graded SAND, moist 10 35 50 5	
_	14 14 16 18	S2 18	2.5 4.5				Similar to	S1, except one quartz gravel fragment, M.C.=7.9%	
- 5 -	13 14 30 26	\$3 6	5.0 7.0			SP- SM	Dense red-	brown poorly-graded SAND with silt, wet	
	14 21 21 22	\$4 20	7.0 9.0	NSTALLED			Similar to	S3, except moist	
-10 -	4 6 6	S5 15	10.0 12.0	NO WELL INSTALLED		SM	Medium de	ense red-brown to dark brown silty SAND, wet	
.	4				118.3 12.0			-GLACIOFLUVIAL DEPOSITS-  Bottom of Exploration at 12.0 ft	
								Education of Exploration at 1210 ft	
!		101	las I -	OLD:	10	<u> </u>	-		
Da	ate	Time	ter Lev Elaps Time (	ed_		th (ft. Botto	Mator	Sample Identification Well Diagram Summary  O Open End Rod Riser Pipe Screen Screen T Thin Wall Tube Filter Sand Rock Cored (lin. ft.)	2.0
9-2	7-06	Sec:			.9.3		5.0	U Undisturbed Sample Cuttings Samples 5S	
								S Split Spoon G Geoprobe Concrete Bentonite Seal Boring No.	350
	ld Tes			Toug	ancy: hnęss	1-1	ow M-Me	ow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High dium, H-High Vry Strength: N-None, L-Low, M-Medium, H-High, V	-Very High
1SP	T = San	npler blow Not	vs per 6 te: So	in. il ide	*Ma ntifica	ximum tion b	particle size ased on vi	(in,) is determined by direct observation within the limitations of sampler size.  sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.	

USCS\_TB4 USCSLIB4.GLB USCS\_TB5.GDT G:U3743:000UDATABASESU3743000TB.GPJ

Nov 14, 08

HAI	LEY & ORIC	₹ H					TEST	BORING REPORT  Boring No.	B51
Proje Client Contr	t	Prop Seab				-	Лапсhester	, Connecticut File No. 33743-000 Sheet No. 1 of 1 Start September Finish September	27, 2006
			Ca	asing	San	npler	Barrel	Drilling Equipment and Procedures Driller F. Harring	
Туре			F	ISA	5	SS	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Pardi	
Inside	Dian	neter (ii	n.)	4	1	3/8	(90)	Bit Type: Cutting Head Elevation 129.84 Drill Mud: None Datum NAVD	88
Hamm	ner W	leight (l	lb.)	٠	1	40	-	Casing: Spun Location See Plan	-
Hamm	ner F	all (in.)		*	3	30	:#7	Hoist/Hammer: Winch / Safety Hammer	
<u></u>		n.)	3	гат	pth	Symbol	,		ield Test
Depth (ft.)	SPT1	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Syn	(Densit	Visual-Manual Identification and Description  y/consistency, color, GROUP NAME, max. particle size², and of moisture, optional descriptions, geologic interpretation)	Toughness Plasticity
0	7 10 12	S1 18	0.5 2.5			SP	Medium de	ense red-brown poorly-graded SAND, moist 10 50 40	
	15 18 21 26 25	\$2 18	2.5 4.5				Similar to	S1, except dense	
. 5		2							
	3 5 3	S3 12	5.0 7.0			SP	Loose red-	brown poorly-graded SAND, wet	
	1 1 1 1	S4 15	7.0 9.0	WELL INSTALLED		SM	Loose red-	brown silty SAND, slight organic odor, wet	
10	1 1 1	S5 10	10.0 12.0	NO WELL IN		SP- SM	Loose red-	brown poorly-graded SAND with silt, wet	
	1				117.8			-GLACIOFLUVIAL DEPOSITS-	
					12.0			Bottom of exploration at 12.0 ft	
		Wa	ter Levi	el Da	la la			Sample Identification   Well Diagram   Summan	
	T		Elansi			th (ft.	) to:	Sample Identification   Well Diagram   Summary    Riser Pipe   Ougsturder (limit)   10.0	.,,,,,,
Date	е	Time	Elapsi Time (I	h- \ 8	ollom Casing	Botto of Ho	Mator	T Thin Wall Tube Screen Screen Rock Cored (lin. ft.) -  U Undisturbed Sample Cuttings Samples 5S	
								S Split Spoon G Geoprobe Grout Concrete Bentonite Seal Boring No. B51	
Field	d Test	s:		Dilata Toug	hness:	L-L	ow. M-Me	ow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High dium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Ve	y High
SPT	= San	pler blov Not	vs per 6	in.	<sup>2</sup> Ma:	ximum	particle size	(in.) is determined by direct observation within the limitations of sampler size.	0

USCS\_TB4 USCSUB4.GLB USCS\_TB5.GDT G:\\data30000DATABASES\\\data3743000TB.GPJ Nov 14, 08

HALE ALDRI	Y&z ICH					TEST	BORING REPORT  Boring No.	B52-OW
Project Client Contrac	Prop					Manchester		000 per 27, 200 per 27, 200
		С	asing	San	npler	Barrel	Drilling Equipment and Procedures Driller F. Harr	ngton
Туре			ASE	8	SS	-	Rig Make & Model: Truck mounted B53 H&A Rep. M. Par Bit Type: Cutting Head Elevation 128.	
	iameter (i · Weight (	1	4		3/8		Drill Mud: None Datum NAV	D 88
	Fall (in.)	10.)	-	1	40 30		Casing: Spun Location See Pla Hoist/Hammer: Winch / Safety Hammer	l
<u> </u>	ğ (;	7	an Ha	듄	lodr		Gravel Sand	Field Test
Depth (ft.)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Density	risual-Manual Identification and Description  //consistency, color, GROUP NAME, max. particle size², dor, moisture, optional descriptions, geologic interpretation)	Dilatancy Toughness Plasticity
6 7 10	4	0.5 2.5	9///		SP	Dense red-	brown poorly-graded SAND with gravel 5 10 20 40 25 -	
22 26 19 23	\$2	2.5 4.5			SP	Similar to	Si	
5 13 14 15 13	18	5.0 7.0			SP	Similar to	S2, except less coarse gravel, moist	
12 7 8 8	. S4	7.0 9.0			SP	Medium de	ense red-brown poorly-graded SAND, moist	
10 - 6 6 7 7	\$5 6	10.0 12.0			SP	Similar to	S4, except with odor, wet	9.
8				116.7 12.0			-GLACIOFLUVIAL DEPOSITS- Bottom of Exploration at 12.0 ft	$\perp$
						t		
		ter Lev Elaps			th (ft.)	) to:	Sample Identification Well Diagram Summary  Riser Pipe Cycobyrdan (Ill. #1)	
Date	Time	Time (	J B	otlom Casing	Botto of Ho	Water	T Thin Wall Tube Screen Screen Rock Cored (lin. ft.)	.0
9-27-06 10-20-06		1 3		8	•	6.17 6.40	U Undisturbed Sample S Split Spoon C Constable  C Uttlings Grout Concrete  Boring No. B5:	-OW
Field Te	ests:		Dilata		R-R	Rapid, S-Sk	bw. N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High	
'SPT = S	ampler blo		in,		dmum	particle size	Jium, H-High Dry Strength; N-None, L-Low, M-Medium, H-High, V- (in.) is determined by direct observation within the limitations of sampler size, sual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.	ery High

USCS\_TB4 USCSLIB4.6LB USCS\_TB5.GDT G:U3743W00UbATABASESU3743000TB.GPJ Nov 14, 06

Proj Clier Con			osed R			-	1anchester	, Connecticut	Sh Sta	art	No	).	1 oʻ Sep	f 1	000 ber	28		
			C	asing	San	pler	Barrel	Drilling Equipment and Procedures		iish iller			-		ring			•
Туре			F	ISA	S	S	o <del>e</del> r	I F	Н8	A F	Rep	). j	М.				_	
Insid	e Diar	neter (ir	ո.)	4	1	3/8	060	Bit Type: Cutting Head Drill Mud: None	_	evai		1	_	23. JAN	91 /D :	RR		
Ham	mer V	/eight (I	b.)	•	1	40		Casing: Spun	-	cati	_		See	Pla	ın (r	_	cate	
Ham	mer F	all (in.)		•	3	0	3 <b>2</b> 3	Hoist/Hammer: Winch / Safety Hammer				i	in fi	ield	)			
<b>₽</b>		No.	3	ram	pth	Symbol	\	Court Manual Identification and Department	Gra	-		San	-			ield v2	Te	
Depth (ft.)	τ.	ec. (	aldr th (f	Diag	/De	SSyr		COOLD NAME	Coarse	Fine	Coarse	% Medium	<u>e</u>	Fines	эпсу	hnes	iclty.	
	SPT	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev /Depth (ft.)	nscs		y/consistency, color, GROUP NAME, max. particle size <sup>2</sup> , odor, moisture, optional descriptions, geologic interpretation)	% C	%	%	≥ %	% Fine	₩ F	Dilatancy	Toughness	Plasticity	
0 1	7 7 6 15	S1 18	0.5 2.5	9///		SP- SM	Loose red-	brown poorly-graded SAND with silt, moist	*	-		20	70	10	•	K•3	*	
8	40 33 25 29	S2 15	2.5 4.5			SP	Dense red- moist	brown poorly-graded SAND with gravel and asphalt particles,	8	20	15	20	45	2	56		24	
- 5	9 10 13 16	\$3 18	5.0 7.0			SP	Medium de	ense red-brown poorly-graded SAND with gravel, moist			·2	25	70	5			•	
	6 7 11 10	S4 18	7.0 9.0			SM	Loose dark	c brown silty SAND with organics, strong petroleum odor, dry	•	10	20	20	30	20	(*)	10	¥.	
-10 -					113.9			-FILL-										
i	21 23 26 30	\$5 20	10.0		10.0	ML	Dense red-	brown sandy SILT, slight organic odor, moist	(a		•	E.	25	75		(e)	× ×	
- 15 -	2 2 2 2 6	S6 24	15.0 17.0		106.9	SP	Loose red-	brown and orange poorly-graded SAND, mothball odor, wet -GLACIOFLUVIAL DEPOSITS-	3		0.00	50	50	•	*			
		Wa	ter Lev	vel Da	17.0		- <del> </del>	Bottom of Exploration at 17.0 ft  Sample Identification Well Diagram		Ç	Sun	nmi	anv					
Ds	ate	Time	Elaps	ed	Dep	th (ft.	ven l	O Open End Rod	erbu					) 1	7.0			•
			Time (		Bottom Casing	Botto of Ho		T Thin Wall Tube Filter Sand Roo			ed	(lin	•	•	-			
	8-Q6 9-06	1120 1430			•		10.0 9.8	U Undisturbed Sample Cuttings San S Split Spoon Concrete Bot	_		Vo.		68		3-C	1/1/	-	
							Rapid, S-SI	G Geoprobe Bentonite Seal  low, N-None Plasticity: N-Nonplastic, L-Low, M-		_					,u-U	44		,

H.A.	ALEY o	& H					TEST	BOR	ING REPOR	 ₹T	- SMAII - SSC		В	ori	ng	, N	о.		ı	354		
Proj Clie Cor	nt	Prop				ng N	Aanchester,	, Conne	ecticut				St	art	t N	0.	1 o Sep	f 1 tem	iber	12,		
			Ca	asing	San	pler	Barrel		Drilling Equipment	and Pro	ocedures			nisl ille			-		iber ring		20	<i>J</i> 0
Туре	9		_	-		-	12#3	Rig Ma	ake & Model: Hand	Auger			H	ŝА	Re	p.						
Insid	de Diai	neter (i	n.)	-		_	-	Bit Ty						eva itur	atio	n	N	ΤΔ 3	/D 8	20		
Ham	mer V	Veight (	lb.)	-	1	-	-	Drill M Casing				Ì	_	_	tion	3 .5		Pla		,,,		
Ham	mer F	all (in.)		•		-	(a)	Hoist/I	Hammer: / -									_				
t.)		S. (:	Ţ.	ram	pth	Symbol		/isual-N	lanual Identification	and De	scription	1	_	ivel	-	San				ield	Tes	t
Depth (ft.)	SPT¹	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Syr	(Density	y/consis	tency, color, GROUP	NAME, m	nax, particle size	etion)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -	0)	00 ∞	0,13	5	т 🗈	<u> </u>			CONCRETE (				_	9	6,	0	0,	0,		Ě	Δ.	(y)
			0.5	1	0.5		Red-brown	n poorly-	graded SAND with gr	_			H		H				۲			-
			2.0		10		Increased g															
e e					2.0		h		-FILL-			ŀ		H	H							
							3		Bottom of exploration	on at 2.0	ft										.1	
				NO WELL INSTALLED							ě	•				and the second s	and the second s					
	ate	Time	ter Lev Elaps Time (	ed hr.) <sup>B</sup> of Encour	Dep tottom Casing ntered	th (ft. Botto of Ho	Water	O T U S G	mple Identification Open End Rod Thin Wall Tube Undisturbed Sample Split Spoon Geoprobe		Il Diagram Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Over Rock Sam	k ( ipl	urdi Cori es g l	en ed No	(lin:	ft.) ft.) 25	<u> </u>	2.0		Ä	
	eld Tes				hness:	L-L	Rapid, S-SI .ow, M-Me	dium, I-	1-High Dry	Strength	-Nonplastic, L- : N-None, L-L	ow. M-N	vie!	diur	n.	H-H	High ligh	V.	-Ver	у Ні	gh	
'SP	T = Sar	npler blov		in.	<sup>2</sup> Ma	kimum	particle size	(in.) is de	etermined by direct observanual methods of the	ervation wi	ithin the limitations	of same	ler	size	0.				=001			

USCS\_TB4 USCSUB4 GLB USCS\_TB5 GDT G:03743000DATABASESU3743000TB.GFJ Nov 14, 06

Project Client Seabourd Drilling, Inc.  Casing Sampler Barrel Drilling Equipment and Procedures  Casing Sampler Barrel Drilling Equipment and Procedures  Prope Bit Type:  Casing Sampler Barrel Drilling Equipment and Procedures  Prope Bit Type:  Bit Type:  Bit Type:  Bit Type:  Bit Type:  Bit Type:  Bit Type:  Casing:  Hammer Weight (b)  Laminer Fall (n.)  Casing:  Hammer Fall (n.)  Casing:  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Bit Type:  Casing:  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Bit Type:  Casing:  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Casing:  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Casing:  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Data Sampler Barrel Bit Type:  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Procedures  Drilling Equipment and Proce		LEY &						TEST	BORING REPOR	RT	В	ori	ing	, N	0.	11	E	355		
Casing   Sampler   Barrel   Sampler   Sample	Clie	nt						Manchester	, Connecticut	-	SI	nee art	t N	ο.	1 of Sept	1 em	ber	12,		
Type				Ca	asing	San	pler	Barrel	Drilling Equipmen	t and Procedures					•				200	10
Part	Type	·							Rig Make & Model: Hand	Auger	_							-		
Harmore Fall (in)	''		neter (ii	n.)			_		Bit Type: -		1100			n						
Nammer Fall (in.)  Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max, porticle staze <sup>2</sup> , portional descriptions, gredogle interpretation)  Red-trown poorly-graded SAND with gravel Increased gravel with depth.  Fill.  Bottom of exploration at 2.6 ft  Value Table  Date  Time (Th.)  Sample Depth (tt.) to:  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Screen  Field Tests:  Distance:  Distance:  Reactions Sample  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Screen  Field Tests:  Distance:  Distance:  Reactions Sample  Spit Sponon  Open End Rod  Screen  Field Tests:  Distance:  Distance:  Reactions Sample  Spit Sponon  Open End Make Tube  U Unidatured Sample  Spit Sponon  Open End Make Tube  U Unidatured Sample  Spit Sponon  Open End Tube  Sample Scientification  Open End Rod  Time (Th.)  Sample Scientification  Open End Rod  Screen  Field Tests:  Distance:  Distan	  Ham	mer V	veiaht (	lb.)			_					_	-	1 5				8	-	-
Visual-Manual Identification and Description   Growl   Sand   Floor Text	l		•				4	-	1					•						
Time		8			E	-5	0				Gri	avel		San	d	_	F	ield	Tes	t
Time	(£)		e E	(F)	agrai	)ept	symb	\	√isual-Manual Identification	and Description	9		Se	Ē		SS	6	less	اح	_
Time   Copport	Depth	SPT	Sатр & Rec	Samp Depth	Welf Di	Elev./[ (ft.)	uscs a	(Densit structure, o	ty/consistency, color, GROUP odor, moisture, optional descri	NAME, max. particle size <sup>2</sup> , ptions, geologic interpretation	)  % CO3	% Fine	% Coa	% Med	% Fine	% Fine	Dilatan	Toughr	Plasfici	Strengt
Water Level Data  Water Level Data  Water Level Data  Date Time Elapsed Trime (fr.)  Bottom Sottom House Stample Identification Well Diagram  Date Time Red-brown poorly-graded SAND with gravel  J.FILL.  Bottom of exploration at 2.6 ft  Sample Identification Well Diagram  Summary  Open End Red  Trime (fr.)  Bottom Sottom  Files Fipe Screen  Not Each Junear House Stample  Not Each Junear House Stample  Not Each Junear House Stample  Signification Water Trime (fr.)  Not Each Junear House Red House Stample  Signification Water Trime (fr.)  Field Tests:  Dilatancy: Rapid S. Slow, N-Norre  Field Tests:  Dilatancy: Rapid S.	- 0 -	-						2	CONCRETE	(5 in.)									$\exists$	
Water Level Data  Water Level Data  Water Level Data  Sample Identification  Date  Time  Elapsed Time (Inc.)  Bottom of exploration at 2.6 ft  Sample Identification  Well Diagram  Summary  Place Time (Inc.)  Bottom Bottom of exploration at 2.6 ft  Sample Identification  Well Diagram  Summary  Steer Pipe Screen Scree		-				0.4		Red-brown	n poorly-graded SAND with gr	avel										
Date   Time   Elapsed   Depth (ft.) to:   Samole Identification   Well Diagram   Summary				2.6																
Date   Time   Elapsed   Depth (ft.) to:   Samole Identification   Well Diagram   Summary	•								-FII.L.											
Water Level Data  Date Time Elapsed Time (hr. grountered)  Not Eac Undisturbed Sample Split Spoon Geoprobe  Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity. N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-Nonp L-Low, M-Medium, H-High Dry Strength: N-Nonp L-Low, M-Medium, H-High V-Very High Spring tize.						2.6		\		on at 2.6 ft	$\neg \lceil \neg \rceil$				T	T				
Date Time Elapsed Time (hr., bottom of Casing of Hote Not Encountered Depth (fit.) to:  Not Encountered Not Encountered Dilatancy:  Respect Concrete Solitor S					NO WELL INSTALLED															
Date Time Elapsed Time (hr., bottom of Casing of Hote Not Encountered Depth (fit.) to:  Not Encountered Not Encountered Dilatancy:  Respect Concrete Solitor S																-		J		
Date Time (hr.)  Bottom of Hole Water T Thin Wall Tube  Not Encountered Not Encountered Split Spoon G Geoprobe  Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-None Split Spoon G Geoprobe  Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-None Strength: N-None L-Low, M-Medium, H-High Dry Strength: N-None L-Low, M-Medium, H-High V-Very High  Set een Screen Rock Cored (lin. ft.) - Samples 2S  Samples 2S  Boring No. B55  Boring No. B55			Wa				th (ft	) to:		Diag Diag	Out				-0.				_	
Not Encountered  Not Encountered  Not Encountered  Not Encountered  Not Encountered  U Undisturbed Sample S Split Spoon G Geoprobe  S Split Spoon G Geoprobe  S Split Spoon G Geoprobe  Boring No. B55  Boring No. B55  Boring No. B55  Boring No. B55  Boring No. B55  Boring No. B55  Boring No. B55  Boring No. B55  Samples 2S  Boring No. B55  Boring No. B55  Samples 10 Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.	D:	ate	Time		hr 1 B	Bottom	Botto	Mator	1	Screen Screen							2.6			
S Split Spoon G Geoprobe  Significant Concrete Bentonite Seat Bent					101		of Ho	ме	- I IIIII VVEII TODE	6. J. 1)			φu	(m)			-			
Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High  SPT = Sampler blows per 6 in. Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.				1100		U			S Split Spoon	Grout Concrete			No			_	355			
SPT = Sampler blows per 6 in. Maximum particle size (in.) is determined by direct observation within the limitations of sampler size.	Fie	eld Tes	ts:		Dilata	ancy:	R-F	Rapid, S-S	low, N-None Pla	sticity: N-Nonplastic, L-Low	, M-M	ediu	ım,	H-	High	ί,,		CINA	9140-0	=
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.			noler blo	ws per 6	in.	<sup>2</sup> Ma	ximum	particle size	edium, H-High Dry	Strength: N-None, L-Low, ervation within the limitations of	M-Me sample	diu	m. e.	H-F	ligh.	. V-	ver	y Hi	ah_	

USCS\_TE4 USCSLIB4GLB USCS\_TB5GDT 6:B37431000/DATABASESB3743000TB.GPJ Nov14.06

HALEY ALDRIC	&z `H					TEST	RING REPORT	E	301	ring	g N	0.		E	356		
Project Client Contracto		osed Ro			_	fanchester,	nnecticut	5	he	t	lo.	1 of Sep	f 1 tem	000 ber	12,		
		Ca	asing	Sam	pler	Barrel	Drilling Equipment and Procedures		inis Irille					ingi		20	JU
Туре			*	100		i <del>+</del> 81	Make & Model: Hand Auger	<u></u>	1&A	Re	ep.						
Inside Dia	meter (i	n.)	¥	- 20	=	:=:	Type: - I Mud: -		lev atu	atic um	n	N	ΙΑV	D 8	88		
Hammer \	Weight (	lb.)				٠	i Mua sing: -				n ;	_		_			
Hammer I	Fall (in.)		-			<b>12</b> 1	st/Hammer; / -										
3	o' c'	3	гат	pth	loqu	V	l-Manual Identification and Description		Tave	_	San		-		ield v	Tes	t
Depth (ft.) SPT	ple 3C. (i	th (f	Diag	./De	USCS Symbol			tion)	200	Coarse	% Medium	e	nes	ancy	hnes	city	£ g
Depth SPT <sup>1</sup>	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USC	(Density structure, o	sistency, color, GROUP NAME, max. particle size moisture, optional descriptions, geologic interpreta	tion)	% Fine	8 8	₩ %	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0			É				CONCRETE (5 in.)		ŧ	ŧ	Ħ						
		0.4		0.4		Red-brown	rly-graded SAND with silt and gravel										
		1.9					-FILL-										
				1.9			Bottom of exploration at 1.9 ft										
			NO WELL INSTALLED														
	Wa	ter Lev	el Da			***	Sample Identification   Well Diagram			Su	mm	ary	Ť				
Date	Time	Elaps		Dep	th (ft.) Botto	m	Open End Rod Riser Pipe Screen	Over						1.9			
		Time (	of	Casing	ofHa		Thin Wall Tube Filter Sand	Rock			(lin			-			
		Not 1	Епсоц	ntered			Undisturbed Sample Cuttings Grout	Sam				25	3	_	_	_	_
							S Split Spoon Concrete S Geoprobe Bentonite Seal	Bori	_					356			
	ete-		Dilata	апсу:	R-F	Rapid, S-SI	N-None Plasticity: N-Nonplastic, L-I	ow, M-N	ledi	ium	H-	Higi	1				
Field Te	310-		Tono	hosee.	1.4	ow. M-Me		w. M-M	edir	um	H-H	ligh	V.	Ver	v Hi	gh	

USCS\_TB4 USCSLIBAGLB USCS\_TB5.GDT G:U3743x000tDATABASES\U3743000TB.GPJ

Nov 14, 06

HATEVA

# ORSERVATION WELL

Well No.

ALDRICH	-	CDOL	ACVILLIOIT W		l.	B36-OW
	TT	ISTAI	LLATION RE	PORT		Boring No.
-	Proposed Retail Build				O. 33743	B36-OW
PROJECT LOCATION	Mancehster, Connecti			H&A FILE N PROJECT M		
CLIENT	Wancenster, Connecti	cut		FIELD REP.	M. Par	
CONTRACTOR	Seaboard Drilling, Inc.			DATE INSTA	_	
	F. Harrington	-		WATER LEV	_	
Ground El.		Location S	See Plan		☐ Guard Pip	e
El. Datum	133.2				☑ Roadway	
SOIL/ROCK	BOREHOLE		Type of protective co	ver/lock	Expan	sion Plug
CONDITIONS	BACKFILL					
	PIPE &		Heigh of top of roads	-		ft
	CONCRETE		above ground surface	c		
	1 :		<u> </u>			
			Depth of top of riser	pipe		0.3ft
	PIPE & SEAL		below ground surface	c		3
	SEAD	1111				
	2		Type of protective ca	sing:	Steel Ro	adway Box
	, man a		Length			ft
	PIPE & SAND		Inside Diameter			7.0 in
			Ľ			
	4.5	$- \cdot $	Depth of bottom of re	oadway box		ft
ĺ			1	ype of Scals	Top of Seal (ft)	Thickness (ft)
				Concrete	0.0	1.0
			B	entonite Seal	1.0	2.0
GLACIALFLUVIA	L	니니		3 10		· · · · · · · · · · · · · · · · · · ·
DEPOSITS			-			
			m		Calaadii	In AO DVC
			Type of riser pipe:	6	Schedu	le 40 PVC 2.0 in
	SCREEN &		Inside diameter of Type of backfill a		Elle	er Sand
-	SAND		Type or Dackin a	Tourid Tiser	Filk	Dano
			Diameter of borehole	2		8.0 in
	28	1711	Depth to top of well s	screen		4.5 ft
ė.	ľ		Type of screen		Schedu	le 40 PVC
			Screen gauge or s			in
l		L2	Diameter of scree			in
1			Type of backfill arou	ind screen	Filte	er Sand
Į.						
						145 6
			Depth of bottom of w	ven screen		14,5ft
	14.5	13	Dottom of Sill turn			15.0 ft
	SILT TRAP	1 <del>-1</del> -1	Bottom of Silt trap	arabala		15.0 ft
12 —	15	_	Depth of bottom of b	O CHOIC		15.0
	om of Exploration) depth from ground surface in feet)			(Not to Scale)	<u> </u>	
	4.2 ft +	10			14.7	ft
	r Pay Length (L1)	Length of	f screen (L2) Length of	silt trap (L3)	Pay len	gth
COMMENTS:			1:1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		#31 - 1-00 - 10 -	

HALEY &

# **OBSERVATION WELL**

Well No. B43-OW

ALDRICH	$\mathbf{I}$	NSTAI	LATION R	EPORT	-	Boring No. B43-OW
PROJECT	Proposed Retail Build			H&A FIL		
	Mancelister, Connect			PROJECT	MGR. T. No	lan
CLIENT	PLEMETER			FIELD RE	-	
	Seaboard Drilling, In-	)		DATE INS		006
DRILLER	F. Harrington			WATER I	LEVEL 4 ft	
Ground El. El. Datum	132.58 ft	Location Se	ee Plan		☐ Guard Pij ☑ Roadway	
SOIL/ROCK	BOREHOLE		Type of protective	e cover/lock	Ехраг	sion Plug
CONDITIONS	BACKFILL					
	PIPE & CONCRETE 0.5		Heigh of top of ro above ground sur	•		(t
	PIPE & SEAL		Depth of top of ris			ft
FILL	1		Type of protective	e casing:	Steel Ro	adway Box
	DIDE 6		Length			0.9ft
	PIPE & SAND		Inside Diamete	er		
	1.5	-	Depth of bottom of	of roadway box		ft
				Type of Seals	Top of Seal (ft)	Thickness (ft)
			_	Concrete	0.0	0.5
5 1	-			Bentonite Seal	0.5	0.5
		Li i	-			
			Type of riser pipe	:	Schedu	le 40 PVC
	SCREEN &		Inside diamete	er of riser pipe		2.0in
	SAND		Type of backfi	ill around riser	Film	er Sand
GLACIOFLUVIAL			Diameter of borel	tole		8.0 in
DEPOSITS			Depth to top of we	ell screen		ft
			Type of screen		Schedu	le 40 PVC
			Screen gauge o	or size of openings		in
		L2	Diameter of se	rcen		in
			Type of backfill a	round screen	Filte	er Sand
	11.5		Depth of bottom o	of well screen		ft
	SILT TRAP	L3	Bottom of Silt tra	p		ft
	12 —		Depth of bottom of	of borchole		12.0ft
	n of Exploration)  opth from ground surface in feet)			(Not to Scale)		100000000000000000000000000000000000000
	1.0 ft +	10.0		0.5 ft		n
	Pay Length (L1)	Length of s	screen (L2) Length	of silt trap (L3)	Pay ler	gth
COMMENTS:				. 11477/11		

HALEY&

# OBSERVATION WELL

Well No.

ALDRICH	·				-	Boring No.
) 4. 数块据25°。 图 14. 数年 3.1	$\mathbf{I}$	NSTAI	LLATION RE	PORT		B52-OW
PROJECT	Proposed Retail Build			H&A FILE	NO. 33743-	
LOCATION	Mancehster, Connecti			PROJECT	MGR. T. Nola	an .
CLIENT				FIELD RE	P. M. Par	di
CONTRACTOR	Seaboard Drilling, Inc			DATE INST		2006
DRILLER	F. Harrington			_ WATER LI	<b>EVEL</b> 5.9 ft	
Ground El.	128.73 n	Location S	ee Plan		Guard Pip	
El. Datum					☑ Roadway I	3ox
SOIL/ROCK	BOREHOLE	9	Type of protective cov	er/lock	Expans	ion Plug
CONDITIONS	BACKFILL			52		
	PIPE &		Heigh of top of roadw			0.0
	CONCRETE		above ground surface			
	0.5	┪┯╽┌	<u>,                                    </u>			
	PIPE &		Depth of top of riser p	ipe		ft
	SEAL		below ground surface			
	1	7	Type of protective cas	ing:	Steel Roa	dway Box
	PIPE &		Length			ft
	SAND		Inside Diameter			in
						0.0
	3	7	Depth of bottom of ro	adway box		ft
			т.	pe of Seals	Top of Seal (ff)	Thickness (ft)
			1 1	Concrete	0.0	0.5
				entonite Scal	0.5	0.5
	1	Li		monne Scar	0.5	
		1			•	
						<del></del>
			Type of riser pipe:		Schedule	40 PVC
GLACIOFLUVIAI	. SCREEN &		Inside diameter of	riser pipe		2.0 in
DEPOSITS	SAND		Type of backfill are		Filter	Sand
			1			
			Diameter of borehole			8.0in
			Depth to top of well sc	reen		ft
	1					
			Type of screen		Schedule	2 40 PVC
			Screen gauge or siz	_		in
		1.2	Diameter of screen			in
			Type of backfill aroun	d screen	Filter	Sand
					¥.	
		100				12.0
			Depth of bottom of we	ell screen		13.0 ft
	13	L3	P. 44 C C'14. 4			12.5 6
	SILT TRAP		Bottom of Silt trap			13.5ft
12	13.5		Depth of bottom of bo	renoie		13.0ft
	m of Exploration) lepth from ground surface in feet)			(Nut to Scale)		
	3.0 ft_+	10.0		ft =	13.5	ft
Riser	Pay Length (L1)	Length of s		It trap (L3)	Pay leng	
COMMENTS:	(m. 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					

# OBSERVATION WELL INSTALLATION REPORT

Well No. B53-OW Boring No.

edermen hansstr	$\mathbf{I}$	NST	ALLATIC	N REPORT		Boring No. B53-OW
PROJECT	Proposed Retail Build			H&A FI		43-000
	Mancehster, Connect					Volan
CLIENT				FIELD I		Pardi
CONTRACTOR	Seaboard Drilling, In	c.		DATE IN		7/2006
	F. Harrington			WATER	LEVEL 10	ft
Ground El.	123.91 ft	Location	See Plan		☐ Guard	Pipe
El. Datum					☑ Roadw	-
SOIL/ROCK	BOREHOLE		Type o	f protective cover/lock	Ext	pansion Plug
CONDITIONS	BACKFILL		35,000	. p. v		
00110110110	PIPE &	_	- Heigh	of top of roadway box		0.0
	CONCRETE	ſ		ground surface		0.0
	1					
	0.5	7-1	rh			00
	PIPE &	111		of top of riser pipe ground surface		f
	SEAL			51 ound aut MCC		
	- · · -	$\neg$		f protective casing:	Steel	Roadway Box
	PIPE &		Len	igth		f
	SAND	111	Insi	ide Diameter		i
FILL		- 1 1 1				
	4.5		Depth .	of bottom of roadway box		0.9
				Type of Seals	Top of Seal (f	t) Thickness (ft)
				Concrete	0.0	0.5
				Bentonite Seal	0.5	0.5
		Li				
				(		=
a .				2 31.0011000	-	
-			Type o	f riser pipe:	Sche	edule 40 PVC
10	SCREEN &		Insi	ide diameter of riser pipe	-	2.0 ii
	SAND		1 1 8	oe of backfill around riser	F	ilter Sand
					***************************************	
			Diamer Diamer	ter of borehole		8.0 ii
						-
		- -	Depth	to top of well screen		4.5 f
DEPOSITS			2000			
			****			
			Type p	f screen	Sche	dule 40 PVC
				een gauge or size of openings		0.010 ii
		L2		meter of screen		2.0 ji
		1		f backfill around screen	F	ilter Sand
			E 17pe o	I DACKIM BI OBIG SCICCI	•	mer bund
	14.5	_				
	SILT TRAP		E Donth	of bottom of well screen		14.5
			Deptil	of porton of wen serech		14.5
	15	L3		00114		150
	SAND	-	V	n of Silt trap		15.0fi
17	17 -		Depth .	of bottom of borchole		17.0n
	of Exploration) oth from ground surface in feet)			(Not to Scale)		1143
0	4.3 ft +		10.0 A +		= 14.	8 ჩ
Riser F	Pay Length (L1)	Lengtl	of screen (L2)	Length of silt trap (L3)		length
COMMENTS:	- 01 - 12 - 12 - 12 - 12 - 12 - 12 - 12					

### GROUNDWATER MONITORING REPORT

OW/PZ NUMBER

**B36-OW** 

				<u> </u>		Tage	1 01 1
PROJECT		sed Retail Build			H&A FILE NO.	33743-000	
LOCATION	Manc	ehster, Connect	licut		PROJECT MGR.	T. Nolan	
CLIENT	OFF				FIELD REP.	M. Pardi	
CONTRACTO	OR Seaba	rd Drilling, Inc.			DATE	27-Sep-2006	
ELEVATION					_		
DESCRIPTIO	N OF REFE			adway / Casing 🔲 Gi	round Surface	Other:	
Date	Time	Elapsed Time (days)	Depth to Water from Reference Point	Elevation of Water	Remar	ks	Read By
29-Sep-06	1410	0	6.1	126.81			MP
23-3ср-00	1410		0.1	120.01			(,,,
					1000100		
			1000		2121115-02-		
	š.						1164-01
						-	
					**		
			**				
		14					
			Ē				
							2
			10104				
					Autoria di La constante		
			- invalidado e		£		

# GROUNDWATER MONITORING REPORT

OW/PZ NUMBER

**B43-OW** 

			K	EPORI		Page	1 of 1
PROJECT	Ргоро	sed Retail Build	ding		H&A FILE NO.	33743-000	
LOCATION	Mance	ehster, Connect	icut		PROJECT MGR.	T. Nolan	
CLIENT					FIELD REP.	M. Pardi	
CONTRACT		rd Drilling, Inc.			DATE	29-Sep-2006	
		ENCE POINT					
DESCRIPTIO	ON OF REFE	RENCE POIN		adway / Casing 🔲 Gi	round Surface 🔲 🤇	Other:	
Date	Time	Elapsed Time (days)	Depth to Water from Reference Point	Elevation of Water	Remark	cs	Read By
29-Sep-06	1500	0	2.8	128.18			MP
						= mase areas	
			-0.				
3 - 514-72-71							
						mine inc and ex-	
			NOTE III				
	— INV — THE SAFE		1				
	***			****			
	-			(c=1===================================			2:
		1411					
					P: 10		

### GROUNDWATER MONITORING REPORT

OW/PZ NUMBER

**B52-OW** 

				UI OILI		Page	T 01 Y
PROJECT	Ргоро	sed Retail Build	ling		H&A FILE NO.	33743-000	
LOCATION	Manc	ehster, Connect	icut		PROJECT MGR.	T. Nolan	
CLIENT	Chi				FIELD REP.	M. Pardi	
CONTRACTO		rd Drilling, Inc.			DATE	27-Sep-2006	
		ENCE POINT			·	0.1	
DESCRIPTIO	ON OF REFE	RENCE POIN		adway / Casing 🔲 Gr	round Surface 🔲 (	Other:	
Date	Time	Elapsed Time (days)	Depth to Water from Reference Point	Elevation of Water	Remar	ks	Read By
27-Sep-06		0	6.0	122.6	Reference point 2.0	in. below grade	MP
20-Oct-06		23	5.9	122.3	New Cas	ing	MP
							ļ
				100000000000000000000000000000000000000		VIII-11-11-11-11-11-11-11-11-11-11-11-11-	
					*		
-							
		4					
							İ
			-				
	*						
						2000	61
			1	11.00 (11.00 m)	11		
						v.	
							1
				77110	7		
	in					*	

# GROUNDWATER MONITORING REPORT

OW/PZ NUMBER

**B53-OW** 

**REPORT** Page 1 of 1 H&A FILE NO. PROJECT Proposed Retail Building 33743-000 LOCATION Mancehster, Connecticut PROJECT MGR. T. Nolan CLIENT M. Pardi FIELD REP. CONTRACTOR Seabard Drilling, Inc. DATE 28-Sep-2006 ELEVATION OF REFERENCE POINT 123.74 DESCRIPTION OF REFERENCE POINT PVC Roadway / Casing Ground Surface Other: Depth to Water from Elapsed Date Time Elevation of Water Remarks Read By Time (days) Reference Point 29-Sep-06 1430 0 9.6 114.14 MP

_		GZ	ZA					treet Parkac	de		Boring No	···	S-1
	7L	Ge En	oEnvironi gineers and	<b>mental, In</b> d Scientists	<b>c.</b>		Mano	chester, CT			Page: File No.: .	4354	
Fore	ged by:		B.	cott Rach			Auger/ Casing HSA	Sampler S.S.	Date	GROUI Time	Check: _ NDWATER R Depth		Sta
Date	e Start/F	inish: _	11-27		7-06	O.D. / I.D.: _	4-1/4"	2" O.D.	_				
				See Plan	N11	Hammer Wt.: _			_				
GS	Elev.: _		Date	um:	Project	Hammer Fall: _			_				
		San	nple Inforn	nation		Otner: _		· -	_				
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data (ppm)	Descripti	Sample on & Classifi	cation	Stratum Desc.	Rem	Equip	ment Insta	illed
1-	S-1		0-2			Brown, fine to co trace Silt	arse SAND, li	ttle Gravel,	\0.2' ASPHALT	/ 1		None	
2- 3-						Brown, fine to co trace Silt	arse SAND, li	ttle Gravel,					
4- 5-	S-2		4-6			Brown, fine to co trace Silt	arse SAND, li	ttle Gravel,					
6- 7-	S-3		6-11			Brown, fine to co	arse SAND aı		2				
8- 9- 10-													
1- 2-	S-4		11-15			Brown, fine to co	arse SAND aı	nd GRAVEL					
3-  4-  5-													
16 — 17 —						End of Exploration	n at 15'						
18-													
19 — 20 —													
21 — 22 —													
23 –													
24 — 25 —													
26 – 27 –													
28 — 29 —													
R   E	mete labo	er respor atory for	ise in parts	s per millio Il analyses	on (ppm) or scree	ermo Environmenta relative to benzene ening. ND=None D grade.	e in air and ab	ove backgroun					
						soil types, transitions may occur due to other fact						<b>lo.</b> : FHS-1	

	<b>47</b> \	GZ   Ge	ZA coEnviron	mental. In	c <b>.</b>			treet Parkad hester, CT	le		_	Boring No.:		
	<b>- 1                                   </b>		oEnviron gineers and					inester, UT				File No.:	4354	
Fo	reman: _		quifer Drill So B.	cott	esting		Auger/ Casing HSA	Sampler S.S.	Date		DUNI me	DWATER REA	ADINGS	Stab
Da	te Start/F		11-27	7-06 / 11-2	7-06	O.D. / I.D.: _	4-1/4"	2" O.D.						
Во	ring Loc	ation: _	,	See Plan		Hammer Wt.: _		140 lb.						
			Dat		roject	Hammer Fall: _		30"	_					
	1	San	nple Inforr	notion					_					
_		Jan		liation	Field					Ь.,	(0			
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data (ppm)	Descripti	Sample on & Classific	cation	Stratum Desc.	1	Remarks	Equipm	ent Insta	lled
1-	S-1		0-2		W-F /	Brown, fine to contrace Silt	arse SAND, lit	ttle Gravel,	\0.2' ASPHALT		1		None	
2- 3-						Brown, fine to coa	arse SAND, tr	ace Gravel						
4-			4-6			Brown, fine to co	arse SAND, tr	ace Gravel						
5- 6-						and Silt	0.445							
7-	S-3		6-11			Brown, fine to contrace Silt	arse SAND, III	ttle Gravel,			2			
8- 9-														
10-														
11 - 12 -	5-4		11-15			Brown, fine to coa	arse SAND, lit	ttle Gravel,						
13-														
14 - 15 -						End of Exploratio	n at 15'		-					
16 - 17 -						End of Exploratio	Truc To							
18-														
19 - 20 -														
21 -														
22 - 23 -														
24-														
25 - 26 -														
27-	}													
28 - 29 -	-													
R E M A R K S	mete labo	er respor ratory fo	nse in part	s per millio Il analyses	on (ppm) or scree	ermo Environmenta relative to benzene ening. ND=None D	e in air and ab	ove background						
						soil types, transitions may occur due to other fact						Boring No.	: FHS-2	

C	<b>7</b>	GZ   Ge   Ens	ZA oEnvironi	mental, Ind	ç <b>.</b>			treet Parkad hester, CT			Page:	o.:FHS	1
For	eman: _	A	quifer Drilli So	ing and Te cott Rach	esting		Auger/ Casing HSA	Sampler S.S.	Date	GROUNI	Check: DWATER R	4354  EADINGS Casing	
Dat	igeu by. e Start/F	inish:	11-27	7-06 / 11-2	7-06	O.D. / I.D.: _	4-1/4"	2" O.D.		111110	Борин	Cusing	Otub
Bor	ing Loc	ation: _	;	See Plan		Hammer Wt.: _							
GS	Elev.: _		Dat	um:F	Project	Hammer Fall: _		30"	_				
		San	nple Inforr	mation		Other: _			-				
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data (ppm)	Descripti	Sample on & Classific	cation	Stratum Desc.	Remarks	Equip	ment Insta	lled
	S-1		0-2		(1-1)	Brown, fine to coa	arse SAND, lit	ttle Gravel,	0.2' ASPHALT	_/ 1		None	
1-	1					trace Silt							
2-	1					Brown, fine to coa	arse SAND, tr	ace Gravel					
3-	-					and Silt	,						
4-	1												
5-													
6-													
	S-2 S-3		6-6.5 6.5-11			Gray, fine to coar Brown, fine to coa	se GRAVEL,	trace Sand		2			
7-	3-3		0.5-11			trace Silt	aise Sand, iii	ille Graver,					
8-	1												
9-	1												
10-	1												
11-	S-4		11-15			Brown, fine to coa	area SAND lit	ttle Gravel					
12-	3-4		11-13			trace Silt	aise SAND, iii	ille Graver,					
13-													
14-													
15-						End of Exploratio	n at 15'						
16-	1												
17-	1												
18-	1												
19-	1												
20-	-												
21-													
22-													
23-													
24 –	1												
25 –	1												
26-	†												
27 –	+												
28-	-												
29-	-												
R E M A R K S	mete labo	er respon ratory for	nse in part radditiona	s per millio	on (ppm) or scree	ermo Environmenta relative to benzene ening. ND=None Do ade.	in air and ab	ove background	ganic vapor n d readings. A	neter (O\ \"*" indic	/M). OVM sates a sam	values repr ple sent to	resent a
Stratit and u	fication lin	es represe	nt approxima	ate boundary	between s	soil types, transitions may	y be gradual. Wa	ater level readings esent at the time m	have been made	e at times ere made.	Boring N	<b>o.:</b> FHS-3	

		GZ	<u>.</u>				Broad S	treet Parkad	le		Boring No	.:FL	1
	<i>7</i> [	Ge	oEnviron	mental, Ind d Scientists	с.	_		hester, CT			Page:	of _	1
		$\blacksquare$   $En_{\xi}$	gineers an	d Scientists	ï			·			File No.:		
Cor	tractor:	A		ing and Te	esting		Auger/	Sampler			Check: _		
For	eman: _			cott		_	Casing	•			DWATER R		
Log	ged by:		B.	Rach			HSA	S.S	Date	Time	Depth	Casing	Stab
Date	e Start/F	inish: _	11-27	7-06 / 11-2	7-06	O.D. / I.D.: _		2" O.D.	_				
				See Plan	Project	Hammer Wt.: _			-				
GS	Elev.: _		Dat	um:	Tojeci				-				
		San	nple Infor	mation		Other.							
Depth		Pen./			Field					ş	Eguip	ment Insta	illed
<u> </u>	No.	Rec. (in.)	Depth (Ft.)	Blows (/6")	Test Data	Descript	Sample ion & Classific	cation	Stratum Desc.	Remarks			
	S-1	(111.)	0.2		(ppm)	Drawn fine to se	oroo CAND II	ttle Cravel	0.2' CEMENT			None	
l <sub>1-</sub>	5-1		0-2			Brown, fine to co trace Silt	arse Sand, II	ttle Gravel,	0.2 CEIMENT	_/ 1		None	
l													
2-						Brown, fine to co	arse SAND, ti	race Gravel					
3-						and Silt							
4-					-	End of Exploration	n at 4'		-				
5-							••• 1						
6-													
7-													
'													
8-													
9-													
10-													
11-													
12-													
13-	1												
14-	<u> </u>												
15-													
16-													
17-													
18-													
19-													
20-													
21 –													
22-													
23-													
l													
24-													
25-													
26-													
27-													
28-													
29-													
~													
27 28 29 R E M A R K S	mete	er respon	ise in part	s per millio	on (ppm)	ermo Environmenta relative to benzena ening. ND=None D	e in air and ab	ove background	ganic vapor m d readings. A	eter (O\ "*" indic	/M). OVM ates a sam	values rep ple sent to	resent a
Stratif and u						soil types, transitions may occur due to other fact					Boring N	o.: FL-1	

		GZ	ZA				Broad S	treet Parkad	e		Boring No	o.:FL	2
	<i>1L</i>	Ge	oEnvironi	mental, Ind d Scientists	c <b>.</b>		Mano	chester, CT			Page:	_1 of _	1
												4354	+/
				ing and Te	sting	<del>_</del>	Auger/	Sampler		CDCLIN			
				Rach			Casing HSA	S.S.	Date	GROUN	IDWATER R Depth	Casing	Stab
				7-06 / 11-2		O.D. / I.D.: _	4-1/4"	2" O.D.		10	Jopan	Juding	Otas
Bori	ing Loc	ation: _		See Plan		Hammer Wt.: _		140 lb.					
GS	Elev.: _		Dat	um:F	Project	Hammer Fall: _		30"	_				
		San	nple Inforr	mation		Other: _			-				
£					Field					S	Fauir	mont Incta	llad
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Test Data (ppm)	Descripti	Sample ion & Classific	cation	Stratum Desc.	Remarks	Equip	ment Insta	illea
1-	S-1		0-2		(11 /	Brown, fine to co trace Silt	arse SAND, li	ttle Gravel,	\0.2' ASPHALT	_/ 1		None	
2-	S-2		2-4			Brown, fine to co	arse SAND, tr	race Gravel					
3- 4-													
5-						End of Exploration	on at 4'						
6-													
7-													
8-													
_													
9-													
10 —													
11 —													
12-													
13-													
14-													
15-													
16-													
17-													
18 –													
19-													
20 —													
21 —													
22 –													
23-													
24-													
25 –													
26-													
27 –													
28-													
29 –													
R E M A R K S	mete	er respor	nse in part	s per millio	on (ppm)	ermo Environmenta relative to benzena ening. ND=None D	e in air and ab	ove background					
						soil types, transitions ma y occur due to other fact					Boring N	<b>lo.:</b> FL-2	

		GZ	ZA				Broad S	treet Parkac	de		Boring No	o.:L	-1
	7	Ge	oEnviron	mental, Ind d Scientists	c <b>.</b>		Mano	hester, CT			Page:	of _	11
									<u> </u>		File No.:	4354	17
Con	tractor:	A		ing and Te	esting	_	Auger/	Compler			Check: _		
Fore	eman: _			cott		_	Casing	Sampler			DWATER R		
Log	ged by:		В.	Rach			HSA	S.S.	_ Date	Time	Depth	Casing	Stab
Date	e Start/F	Finish: _	11-27	7-06 / 11-2	7-06	O.D. / I.D.: _			_				
				See Plan					_				
GS	Elev.: _		Dat	um:	Project	Hammer Fall: _			_				
		San	ple Inforr	nation		Otner: _		-	_				
£		D /			Field					S	Fauin	ment Insta	alled
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Test Data (ppm)	Descripti	Sample on & Classific	cation	Stratum Desc.	Remarks	Ечин		incu
1-	S-1		0-2		W-1-	Brown, fine to coatrace Silt	arse SAND, s	ome Gravel,	√0.2' ASPHALT	/ 1		None	
2-						Brown, fine to coa	arse SAND, li	ttle Gravel,					
3-	1					Brown, fine to coa	arse SAND. li	ttle Silt					
4-						End of Exploratio			+				
5-	-					,							
6-													
7-													
8-	1												
9-													
10-	-												
11 —													
12-	]												
13-	-												
14-	_												
15 —													
16-													
17—	]												
18-	-												
19-	-												
20 —	_												
21 —													
22 –	1												
23 –	-												
24 –	-												
25 —													
26 –													
27 —	1												
28 –	-												
29 –	-												
R E M A R K S	mete	er respon	ise in part	s per millio	on (ppm)	ermo Environmenta relative to benzene ening. ND=None De	in air and ab	ove backgroun	ganic vapor r d readings. <i>I</i>	meter (O\ A "*" indic	VM). OVM cates a sam	values rep ple sent to	resent a
Stratif						soil types, transitions ma y occur due to other facti					Boring N	lo.: L-1	

		GZ	'.A				Broad St	treet Parkac	le		Boring No	.:L	-2
C	<b>7</b> 2	Ge Eng	o <b>Environ</b> gineers and	<b>mental, In</b> d Scientists	c <b>.</b>			hester, CT			Page:	1 of _	1
			_	ing and Te	esting		Auger/	Sampler			Check: _		
				Rach		— Type:	Casing HSA	S.S.	Date	Time	DWATER R Depth	Casing	Stab
Date	geu by. Start/F	inish.		7-06 / 11-2		O.D. / I.D.: _		2" O.D.	_ Duit	111110	Борин	Cusing	Otub
Bori	na Loca	ation:	,	See Plan		Hammer Wt.: _	•						
			Date		roject								
		San	nple Inforn	nation		Other: _			-				
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data	Description	Sample on & Classific	ation	Stratum Desc.	Remarks	Equip	ment Insta	alled
	S-1	()	0-2		(ppm)	Brown, fine to coa	arse SAND, lit	tle Gravel,	0.4' ASPHALT	1		None	
1-						trace Silt							
2-						Brown, fine to coa	roo CAND lit	tla Craval					
3-						trace Silt	arse sand, iii	tie Gravei,					
4						End of Exploration	n at 4'		1				
5-													
6-													
7-													
8-													
9-													
10-													
11-													
12-													
13-													
14-													
15-													
16-													
17-													
18													
19-													
20-													
21													
22-													
23-													
24-													
25 –													
26-													
27-													
28-													
29													
29													
R E M A R K S	mete	r respon	se in parts	s per millio	on (ppm)	ermo Environmenta relative to benzene ening. ND=None De	in air and abo	ove backgroun	ganic vapor r d readings. A	neter (O \ "*" indi	VM). OVM sates a sam	values rep ple sent to	resent a
Stratific	cation line	es represe	nt approxima d. Fluctuation	ate boundary	between s	soil types, transitions may	y be gradual. Wa	ater level readings	have been mad	e at times ere made.	Boring N	<b>o.</b> : L-2	

							D I O	D	_				
	471	GZ	ZĄ.					treet Parkade	9		Boring No	.:MW	<u>'-10</u>
	76	Ge En	<b>oEnvironi</b> gineers and	<b>mental, In</b> d Scientists	<b>c.</b>	-	Manc	hester, CT				1 of _ 4354	
			<u>o</u>									4334	
			quifer Drilli		esting	<u> </u>	Auger/	Sampler					
Fore	man: _			hris			Casing	S.S.			DWATER R		Ctob
Log	ged by:		S. 11-27	טומ <u>ט</u> 7-06 / 11-2	7-06		HSA /-1/4"	2" O.D.	Date	Time	Deptii	Casing	Stab
Rori	na Loca	illisn: _	11-21	See Plan	., 00	U.D. / I.D.: _ Hammer Wt.: _	7 1/7						
GS	ilg Loca Elev.:	ation	Date	um: F	Project	Hammer Fall: _							
ے		San	nple Inforr	nation	Field					u			
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data	Descripti	Sample on & Classific	cation	Stratum Desc.	Remarks	Equip	ment Insta	lled
	S1	60/43	0-5		(ppm) ND	Dry brown fine to	madium SAN	D some	SAND	1			
1-	01	00/43	0-3		IND	Gravel, little coars	se Sand, silt	D, some	GRAVEL	'			
2-													
3-												2" Sch	
												40 Ris	er
4-													
5-	S2	60/47	5-10		ND	Top 37" Dry brow	n fine to medi	um SAND,		2			
6-						some Gravel, little	e coarse Sand	a, siit					
7-						Middle 10" Wet b SAND, some Gra							
8-						SAND, Some Gra	ivei, iittie coai	se Sariu, Siit					
9-													
10-	S3	60/55	10-15		ND	Top 12" Dry brov	vn fine to med	lium SAND,		2		10" Slo	
11-						some Gravel, litte	coarse Sand	, silt				Screer	1
12-						Middle 12" Wet d	ark brown Silt	, little fine to					
13-						medium SAND							
14-						Bottom 31" Wet b	rown Gravel	como fino to					
15						√coarse Sand, little	e Silt				· · · : <u> </u>		
16-						End of Exploration	n at 15'		16' SILT				
17-													
18-													
19-									19' GRAVEL	-			
20-									AND SAND				
21-													
22-													
23-													
24-									24'	_			
25 –													
26-													
27-													
28-													
20_													

1. Soil samples screened with a 10.0 eV Thermo Environmental Instruments Model 580B organic vapor meter (OVM). OVM values represent meter response in parts per million (ppm) relative to benzene in air and above background readings. A "\*" indicates a sample sent to a laboratory for additional analyses or screening. ND=None Detected above background.

SAMP-DEPTH 443547.GPJ GZADEPTH.GDT 2/2/11

REMARKS

 Samples saturated below 9 feet below grade.
 10 feet of 2 inch diameter, Schedule 40, threaded, flush joint, 10-slot PVC well screen set at approximately 15 feet below grade. Well completed to ground surface with a 2 inch diameter, Schedule 40, threaded, flush joint, PVC riser. Filter sand placed in annulus around well from 15 to 4 feet below grade. Bentonite seal installed from 4 to 3 feet below grade. Remaining annulus filled with auger spoils from 3 to 0 feet below grade. Well protected with locking end cap and curb box.

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Boring No.: MW-10

						Broad S	treet Parkade				N 41 A /	11
	47	GZ	ZA oEnvinon	montal In						Boring No Page:	.: <u>IVIVV</u>	1
		En.	<b>oEnvironi</b> gineers and	d Scientists	i.	Manc	hester, CT			Page: File No.: _		
										Check:		
			quifer Drilli				Sampler					
			S.	nris Drag		Casing	•		GROUN Time	IDWATER RI	EADINGS Casing	Stab
Log	gea by:	iniah.	11-27		7-06	Type: O.D. / I.D.:			TITLE	Бери	Casing	Stab
Bori	na Loc:	illisii	1121	See Plan	., 00	Hammer Wt.:						
GS	ilg 2000 Elev.:	ation	Date	um: F	Project	Hammer Fall:	·					
						Other: GeoProbe						
_		San	nple Inforr	nation					1.0			
Depth		Pen./	Depth	Blows	Field Test	Sample		Stratum	s	Equip	ment Insta	lled
ا ق	No.	Rec. (in.)	(Ft.)	(/6")	Data	Description & Classific	ation	Desc.	Remarks		Protec	
					(ppm)	-		A A A A A A A A A A A A A A A A A A A	8		Casing	ı
1-	S1	60/47	0-5			Top 3" Asphalt Middle 10" Dry brown Gravel a	nd fine to	0.3' ASPHALT SUBSOIL	1		Cutting	·· (0 2!)
						medium SAND, little Silt						js (0-2')
2-						Bottom 34" Dry brown fine to c	oarse Sand,				2" Sch	edule er (0-4')
3-						little Gravel, trace Silt					Bentor	er (0-4) nite
4-											(2-3')	
5-	00	60/50	F 40			Tan 2011 Majat busum fina ta an	CAND					
6-	S2	60/50	5-10			Top 22" Moist brown fine to coal little Gravel, trace Silt	arse SAND,					
						Bottom 30" Wet brown fine to o	coarse Sand,	7'				
7-						little gravel, trace Silt		•	2			
8-											Sand (	3-14')
9-											2" Sch	edule
10-	S3	60/60	10-15			Top 15" Wet brown fine to med	lium SAND.				40 PV	) n (4-14')
11-						little Silt						,
12-						Next 21" Wet brown fine to coatrace Silt						
13-						Next 12" Wet brown fine to me little Silt	dium Sand,					
14-						Bottom 12" Wet brown fine to d	oarse Sand,					
15						trace Silt						
16-						End of Exploration at 15'			3			
17-												
18-												
19-												
20-												
21 –												
22-												
23-												
24-												
25												
26-												
27-												
28-												
ا مما												

1. Soil samples screened with a 10.6 eV Thermo Environmental Instruments Model 580B organic vapor meter (OVM). OVM values represent meter response in parts per million (ppm) relative to benzene in air and above background readings. A "\*" indicates a sample sent to a laboratory for additional analyses or screening. ND=None Detected above background.

SAMP-DEPTH 443547.GPJ GZADEPTH.GDT 2/2/11

REMARKS

 Samples saturated below 7 feet below grade.
 10 feet of 2 inch diameter, Schedule 40, threaded, flush joint, 10-slot PVC well screen set at approximately 14 feet below grade. Well completed to ground surface with a 2 inch diameter, Schedule 40, threaded, flush joint, PVC riser. Filter sand placed in annulus around well from 3 to 14 feet below grade. Bentonite seal installed from 2 to 3 feet below grade. Remaining annulus filled with auger spoils from 0 to 2 feet below grade. Well protected with curb box.

	<b>/</b> //	GZ	A SEn	4-1 T		Broad Street Par			Boring No	···	/-12
L	<i>1</i> L	Eng	<b>oEnvironi</b> gineers and	<b>nental, In</b> d Scientists	<b>c.</b>	Manchester, C	CT			1 of _ 4354	
		Ac		ing and Te	esting	Auger/ Samp	ler	GROUN	Check: _		
Log	ged by:		S.	Drag		Type:	Date	Time		Casing	Stab
				<u>'-06 / 11-2</u>		O.D. / I.D.:					
						Hammer Wt.: Hammer Fall:					
GS	Elev.: _		Dat	um:	Tojeci	Hammer Fall: Other:GeoProbe					
_		Sam	ple Inforr	nation		<u> </u>					
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data (ppm)	Sample Description & Classification	Stratun Desc.	Remarks	Equip	FLUSH	illed
1- 2- 3- 4- 5- 6-	S-1	60/42	0-5 5-10		ND ND ND	Top 3" ASPHALT Middle 21": Moist, brown GRAVEL and fir to coarse SAND, little Silt Bottom 18": Wet, brown GRAVEL and fin to coarse SAND, little Silt  Wet, brown GRAVEL, some fine to coars Sand, little Silt	e			(0-2') Sand (	nite ) nedule C Riser (1-10')
7- 8- 9- 10- 11-		60/60	10-15		ND ND	Top 31": Wet, brown GRAVEL, some fine coarse Sand, little Silt Bottom 29": Wet, brown GRAVEL, little file				(2-10')	
12- 13- 14- 15-						to coarse SAND, trace Silt	GRAVEL				
16 — 17 — 18 — 19 — 20 —	-					End of Exploration at 15'		3			
22 – 23 –											
24-											
25 –											
26 –	1										
27 –	1										
28 –	1										
29 –	1										
R E M	meter labo 2. Sam 3. 8 fee com from	er respon ratory for ples satu et of 2 inc pleted to 1 to 10 f	se in parts additional arated beloch diamete ground so feet below	s per million I analyses I analys	on (ppm) s or screed below gradule 40, the n a 2 inch entonite	readed, flush joint, 10-slot PVC well screen diameter, Schedule 40, threaded, flush join seal installed from 0.5 to 1 feet below grade	round readings. nd. set at approxima nt, PVC riser. Fil	A "*" indi ately 10 fo ter sand	cates a sam eet below gr placed in ar	ade. Well	a aund well

Boring No.: MW-12

		GZ	7.Δ				Broad S	treet Parkad	le			Boring No	o.:T	-1
	<i>7L</i>	Ge	oEnvironi	<mark>mental, In</mark> d Scientists	<b>c.</b>		Mano	chester, CT			_	Page:	of _	1
											_	File No.: . Check: _		1/
				ing and Te	esting		Auger/	Sampler						
Loc	eman: _		В.			— Type:	Casing HSA	S.S.	Date		JUNL me	WATER R Depth		Stab
Date	geu by. e Start/F	inish:	11-27	7-06 / 11-2	27-06	O.D. / I.D.: _	4-1/4"	2" O.D.				Jopan	Guomig	Otub
Bor	ing Loca	ation: _		See Plan		Hammer Wt.: _		140 lb.						
GS	Elev.: _		Dat	um:F	Project	Hammer Fall: _		30"	_					
		San	nple Inforr	nation		Other: _			-					
Ę					Field						Ş	Fauin	ment Insta	alled
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Test Data (ppm)	Descripti	Sample on & Classifi	cation	Stratum Desc.	י	Remarks			
	S-1		0-1		(PP)	Brown, fine to co	arse SAND, t	race Gravel	\0.2' ASPHALT	_/	1		None	
1-						and Silt End of Exploratio	n at 1'							
2-						End of Exploratio	ii at i							
3-														
4-														
5-														
6-														
7-														
1														
8-														
9-														
10-														
11-	-													
12-														
13-														
14-	_													
15-														
16-														
17-														
18-														
19-														
20-														
21-														
22-														
23-														
24-														
25 –														
26-	1													
27 –	1													
28 –														
29-														
23 – 22 – 22 – 22 – 22 – 22 – 22 – 22 –	1. Soil samples screened with a 10.6 eV Thermo Environmental Instruments Model 580B organic vapor meter (OVM). OVM values represent meter response in parts per million (ppm) relative to benzene in air and above background readings. A "*" indicates a sample sent to a laboratory for additional analyses or screening. ND=None Detected above background.													
n' Stratif						soil types, transitions may occur due to other fact						Boring N	lo.: T-1	

		GZ	7.Δ				Broad S	treet Parkac	le			Boring No	.:T	-2
	<i>7L</i>	Ge	oEnvironi	mental, Ind d Scientists	с.		Mano	hester, CT			_	Page:	of _	1
												File No.:		17
				ing and Te	esting	_	Auger/	Sampler			_	Check: _		
For	eman: _			cott			Casing	•	Data			WATER R		
Log	ged by:		B.	<u> </u>	7 06	Type: _	HSA 4 1/4"	S.S. 2" O.D.	_ Date	Tin	ne	Depth	Casing	Stab
Date	e Start/F	inish: _	11-21	7-06 / 11-2 See Plan	17-00	O.D. / I.D.: _ Hammer Wt.: _			-					
GS	Flev.:	ation	Dat	um:F	Project	Hammer Fall: _			-					
J														
_ ا		San	ple Inforr	nation							40			
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data (ppm)	Descripti	Sample on & Classifi	cation	Stratum Desc.	י	Remarks	Equip	ment Insta	alled
	S-1		0-1		(ppiii)	Brown, fine to co	arse SAND, li	ttle Silt, trace	\0.2' ASPHALT		1		None	
1-						Gravel		/	-					
2-	-					End of Exploratio	n at 1							
3-	-													
4-	1													
5-														
1														
6-	]													
7-	1													
8-	1													
9-	1													
10-	-													
11-	1													
12-														
13-	1													
14-	1													
15-	1													
16-	1													
17-	1													
18-	1													
19-	1													
20-														
21-														
22-	1													
23-	1													
24-	1													
25 –	-													
_ 26-	-													
[ ] ] 27 –	1													
28 –														
20														
29 –														
27 – 28 – 28 – 28 – 28 – 28 – 28 – 28 –	mete	r respor	ise in part	s per millio	on (ppm)	ermo Environmenta relative to benzene ening. ND=None D	e in air and ab	ove backgroun						
n' Stratii						soil types, transitions may occur due to other fact						Boring N	<b>o.</b> : T-2	

	<u> </u>	GZ	ZA .					treet Parkac	le		Boring N	o.:T	-3
<b>_</b>	1L			<b>mental, In</b> d Scientists			Mano	chester, CT			File No.:	1 of _ 4354	17
Fore Log Date	eman: _ ged by: e Start/F		So B. 11-27	ing and Te cott Rach 7-06 / 11-2 See Plan	7-06	O.D. / I.D.: _		Sampler S.S. 2" O.D. 140 lb.	Date	GROU! Time	NDWATER F		Stab
GS	Ing Loca	ation:	Dat	um:F	Project	Hammer Wt.: Hammer Fall: _							
			nple Inforr						_				
Depth	No.	Pen./ Rec. (in.)	Depth (Ft.)	Blows (/6")	Field Test Data (ppm)	Descript	Sample on & Classifi	cation	Stratum Desc.	Remarks	Equip	oment Insta	illed
1- 2- 3- 4- 5- 6- 7- 8- 9- 10- 11- 12- 15- 16- 17- 18- 20- 21- 22- 23- 24- 25- 26- 27- 28- 29-  REMARKS	mete	er respon	ise in part	s per millio	on (ppm)	ermo Environmenta relative to benzene ening. ND=None D	al Instruments	Model 580B or					
						soil types, transitions may occur due to other fact						<b>No.:</b> T-3	

		GZ	7.Δ				Broad S	treet Parkad	e		Boring No	o.:T(	C-1
	<i>7</i> /\	Ge	<b>oEnvironi</b> gineers and	nental, In	с.		Manc	hester, CT			Page:	of _	1
		$\blacksquare$   $En_i$	gineers and	d Scientists	ï						File No.:	4354	17
Con	tractor:	A	quifer Drilli	ing and Te	esting	_	Auger/				Check: _		
			_	cott			Casing	Sampler		GROUN	DWATER R	EADINGS	
Log	ged by:			Rach		Type: _	<u>HSA</u>	S.S.	Date	Time	Depth	Casing	Stab
Date	e Start/F	inish: _	11-27	7-06 / 11-2	7-06	O.D. / I.D.: _		2" O.D.					
Bor	ing Loca	ation: _	;	See Plan		Hammer Wt.: _		140 lb.					
			Date		Project	Hammer Fall: _		30"					
		0							_				
ے ا		San	nple Inforr	nation						10			
Depth		Pen./	Depth	Blows	Field Test		Sample		Stratum	Remarks	Equip	ment Insta	alled
ے ا	No.	Rec.	(Ft.)	(/6")	Data	Description	on & Classific	cation	Desc.	l a			
		(in.)	, ,	. ,	(ppm)	•							
Ι.	S-1		0-2			Brown, fine to coa	arse SAND, lit	ttle Gravel,	0.4' CEMENT	_ 1		None	
1-						trace Silt							
2-	1					Brown, fine to coa	arsa SAND lit	ttle Gravel					
3-						and Silt	arse oard, in	ilic Graver					
						End of Exploration	n at 3'						
4-													
5-	-												-
6-													
7-													
1													
8-	-												
9-													
10-													
11-													
12-	-												
13-													
14-													
15 –	1												-
16-	-												
17-													
18-													
19-	_												
20-													-
21 –													
22-	1												
23-	-												
24-	_												
1													
25 –	1												-
26-	1												
27-	-												
20													
28-	]												
29 –	1												
SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ GZADEPTH.GDJ SAMP-DEPTH 443347.GPJ SA	1. Soil:	samples	screened	with a 10.	.6 eV The	 ermo Environmenta   relative to benzene	I Instruments	Model 580B or	ganic vapor m	neter (O	VM). OVM	values rep	resent
E M	laboi	ratory for	r additiona	ll analyses	or scree	ening. ND=None De	etected above	background.	readings. A	. IIIGN	cates a sam	pie serii ie	σ
A R													
片 s													
A A M											1		
∽ Stratif	ication line	es represe	nt approxima	ate boundary	between s	soil types, transitions may y occur due to other factor	y be gradual. Wa	ater level readings	have been made	at times	Boring N	o.: TC-1	
≥' and un	idei condi	แบบร รเสโต	a. FidCludII(	on ground	awater ma	y occur due to other facto	ora man mose pre	esent at the time m	easurements we	ie maue.	J		

		GZ	7.4				Broad S	treet Parkad	е			Boring No	).: T(	C-2
	<i>7L</i>	Ge	oEnvirom	mental, In d Scientists	с.		Manc	hester, CT				Page:	of _	1
												File No.:		17
				ing and Te	esting	_	Auger/	Sampler			_	Check: _		
For	eman: _			cott		_	Casing	•				OWATER R		
Log	ged by:		B.	Rach	7.00	Type: _	HSA	S.S.	_ Date	T	ime	Depth	Casing	Stab
Date	e Start/F	inish: _	11-27	7-06 / 11-2	7-06	O.D. / I.D.: _		2" O.D. 140 lb.	-					
Rot	Ing Loc	ation: _	Dot	See Plan um:F	Project	Hammer Wt.: _ Hammer Fall: _			-					
	Liev		Dat	um	TOJCOL									
		San	nple Inforr	nation		Other.								
Depth		Pen./			Field						rks	Equip	ment Insta	alled
l a	No.	Rec. (in.)	Depth (Ft.)	Blows (/6")	Test Data (ppm)	Descripti	Sample on & Classific	cation	Stratum Desc.	)	Remarks			
1-	S-1		0-2		(pp)	Brown, fine to co	arse SAND, lit	ttle Gravel,	\0.2' ASPHALT		1		None	
2-	<u> </u> 					Brown, fine to co	arse SAND. lit	ttle Gravel.						
3-						trace Silt			_					
4-	_					End of Exploration	n at 3'							
5-														
6-														
7-	-													
8-														
9-	<u> </u>													
10-														
11-														
12-														
13-														
14-	-													
15-														
16-	-													
17-	-													
18-														
19-														
l														
20-														
21-	-													
22-														
23-														
24-														
25-														
26-														
27-														
21-														
28-	1													
29 –	-													
27 — 28 — 29 — <b>REMMARKS</b> Stratification and united the strategy of the strate	mete	er respor	nse in part	s per millio	on (ppm)	ermo Environmenta relative to benzene ening. ND=None D	e in air and ab	ove background						
Stratif and u						soil types, transitions may occur due to other fact						Boring N	lo.: TC-2	

	100			SOIL	SAMPLE	FIELD	LOG	
GZA GeoEnvironmental, Inc. 27 Naek Rd. Vernon, Connecticut Phone: (860) 875-7655	l, Inc. onnecticut		Project Name: Location:		PROJECT Bro	T Broad Street Parkade Manchester, CT	ade	Date:       27 Nov 06 Page       of         File No.       05.0043547.0         Eng./Sampler SD, BR
Air Temperature (°F):	50°F			SAN	SAMPLING EQUIPMENT	MENT		OVA/OVM: Calibration Standard: 60 Source lamp: 10.6 eV
Weather Conditions:	Overcast		Sample Method/Device:	nod/Device:	Geoprobe			Instrument Reading (start): 59
			Grab	Hand Auger	Hand	Hand Core/Borer	Dredge Other	Instrument Reading (finish):
Sample ID	Time	Sample Depth (FT)	OVM Reading (PPM)	Odor	Ground Cover (asphlt/cnc.gras)	Cover Tickness (ft)		Sample Description
FHS-1 (0-2)	1200	0-2	ND	None	Asphalt	2"	Brown fine to coarse Sand	e to coarse Sand, little Gravel, trace Silt
FHS-1 (2-4)	1215	2-4	ND	None	Asphalt	2"	Brown fine to coarse Sano	e to coarse Sand, little Gravel, trace Silt
FHS-1 (4-6)	1230	4-6	ND	None	Asphalt	2"	Brown fine to coarse Sana	ne to coarse Sand, little Gravel, trace Silt
FHS-1 (6-11)	1240	6-11	MD	None	Asphalt	2"	Brown fine to coarse Sand & Gravel	d & Gravel
FHS-1 (11-15)	1300	11-15	ND	None	Asphalt	2"	Brown fine to coarse Sand and Gravel	and Gravel
FHS-2 (0-2)	1330	0-2	ND	None	Asphalt	2"	Brown fine to coarse Sano	ne to coarse Sand, little Gravel, trace Silt
FHS-2 (2-4)	1340	2-4	ND	None	Asphalt	2"	Brown fine to coarse Sano	e to coarse Sand, trace Gravel & Silt
FHS-2 (4-6)	1345	4-6	ND	None	Asphalt	2"	Brown fine to coarse Sana	ne to coarse Sand, little Gravel & Silt
FHS-2 (6-11)	1355	6-11	ND	None	Asphalt	2"	Brown fine to coarse San	ie to coarse Sand, little Gravel, trace Silt
FHS-2 (11-15)	1410	11-15	ND	None	Asphalt	2"	Brown fine to coarse Sand, little Gravel, trace Silt	l, little Gravel, trace Silt
FHS-3 (0-2)	1430	0-2	ND	None	Asphalt	2"	Brown fine to coarse Sand, little Gravel, trace Silt	I, little Gravel, trace Silt
FHS-3 (2-4)	1440	2-4	ND	None	Asphalt	2"	Brown fine to coarse Sand, trace Gravel & Silt	I, trace Gravel & Silt
FHS-3 (4-6)	1500	4-6	ND	None	Asphalt	2"	Brown fine to coarse Sand, trace Gravel & Silt	trace Gravel & Silt
FHS-3 (6-11)	1510	6-11	ND	None	Asphalt	2"	coarse Gravel	Brown fine to coarse Sand, little Gravel, trace Silvo" layer of gray fine to coarse Gravel
FHS-3 (11-15)	1515	11-15	ND	None	Asphalt	2"	Brown fine to coarse Sand, little Gravel, trace Silt	1, little Gravel, trace Silt
	SOIL CONDITIONS	ONS		DE	DENSITY		ABBREVIATIONS	ORGANIC MATERIALS
s & clay)		TRACE (TR.)	0-10%	V. Loose	υŘ	V - Very	F - Fine	Silt:
nd d		SOME (S.)	10-20% 20-35%	nse	Liff:	GR - Gray BN - Brown	M - Medium C - Coarse	Mat:
Fine gravle 1/4"-3/	1/4"-3/4" (pea to grape).	t	0.00	CHAC		RD - Red	F/C - Fine to Coarse	Note: logs, branches, roots, shells, black streaks, H2S odor.

				SOIL	SAMPLE	FIELD	LOG	
GZA GeoEnvironmental, Inc. 27 Naek Rd. Vernon, Connecticut Phone: (860) 875-7655	l, Inc. nnecticut		Project Name: Location:		PROJECT Bro	T Broad Street Parkade Manchester, CT	ade	Date: 27 Nov 06 Page of File No. 05.0043547.0 Eng./Sampler SD, BR
Air Temperature (°F):	50°F			SAM	SAMPLING EQUIPMENT	MENT		OVA/OVM: Calibration Standard: 60 Source lamp: 10.6 eV
Weather Conditions:	Overcast		Sample Method/Device:	hod/Device:	Geoprobe			Instrument Reading (start): 59
			Grab	Hand Auger	Hand	Hand Core/Borer	Dredge Other	Instrument Reading (finish):
Sample ID	Time	Sample Depth (FT)	OVM Reading (PPM)	Odor	Ground Cover (asphlt/cnc.gras)	Cover Tickness (ft)		Sample Description
FL-1 (0-2)	855	0-2	ND	None	Cement	2"	Brown fine to coarse Sand, little Gravel, trace Silt	d, little Gravel, trace Silt
FL-1 (2-4)	900	2-4	ND	None	Cement	2"	Brown fine to coarse Sand, trace Gravel and Silt	d,trace Gravel and Silt
FL-2 (0-2)	910	0-2	ND	None	Asphalt	2"	Brown fine to coarse San	ne to coarse Sand, little Gravel, trace Silt
FL-2 (2-4)	915	2-4	ND	None	Asphalt	2"	Brown fine to coarse Sand, trace Gravel and Silt	d,trace Gravel and Silt
T-1 (0-1)	940	0-1	ND	Organic	Asphalt	2"	Brown fine to coarse Sand, trace Gravel and Silt	d,trace Gravel and Silt
T-2 (0-1)	950	0-1	ND	None	Asphalt	2"	Brown fine to coarse Sand, little Silt, trace Gravel	d, little Silt, trace Gravel
T-3 (0-1)	1010	0-1	ND	None	Asphalt	1"	Brown fine Sand & Silt, trace Gravel	race Gravel
TC-1 (0-2)	1010	0-2	ND	None	Cement	4"	Brown fine to coarse Sand, little Gravel, trace Silt	d, little Gravel, trace Silt
TC-1 (2-3)	1045	2-3	GN	None	Cement	4"	Brown fine to coarse Sand, little Gravel trace Silt	d, little Gravel trace Silt
TC-2 (0-2)	1050	0-2	ND D	None	Asphalt	2"	Brown fine to coarse San	ne to coarse Sand, little Gravel, trace Silt
TC-2 (2-3)	1055	2-3	ND	None	Asphalt	2"	Brown fine to coarse Sand, little Gravel, trace Silt	d, little Gravel, trace Silt
L-1 (0-2)	1115	0-2	ND	None	Asphalt	2"	Brown fine to coarse Sand, some Gravel, trace Silt	d, some Gravel, trace Silt
L-1 (2-4)	1120	2-4	ND	None	Asphalt	2""	Brown fine to coarse Sand, little Gravel & Silt	d, little Gravel & Silt
L-2 (0-2)	1130	0-2	ND	None	Asphalt	4"	Brown fine to coarse Sand, little Gravel, trace Silt	d, little Gravel, trace Silt
L-2 (2-4)	1135	2-4	ND	None	Asphalt	4"	Brown fine to coarse Sand, little Gravel, trace Silt	d, little Gravel, trace Silt
	SOIL CONDITIONS	ONS		DE	DENSITY		ABBREVIATIONS	ORGANIC MATERIALS
Fines (silts & clay)		TRACE (TR.)	0-10%	V. Loose	V. Soft	V - Very	F - Fine	Silt:
Fine sand Fines: Med. Sand 1/64"-1/16"	Finest visible particles, LITTLE (L 1/64"-1/16" (granular sugar). SOME (S.)	LITTLE (L.) SOME (S.)	10-20% 20-35%		Soft M. Stiff	GR - Gray BN - Brown	M - Medium C - Coarse	Humus: Decomposed root/twig/leaf litter - forest areas.  Root Mat: Living root fiber structures, found in marshes.
C. Sand 1/6 Fine gravle 1/4"-3/	1/6"-1/4" (rock salt), 1/4"-3/4" (pea to grape).	AND	35-50%	Dense	Stiff	YEL - Yellow RD - Red	F/M - Fine to Medium F/C - Fine to Coarse	Peat: Fossiliferous root mat - decomposed fiber structure. Note: logs, branches, roots, shells, black streaks, H2S odor.

				SO	IL SAMP	LE FIEL	D LOG				
GZA GeoEnvironmenta	ıl, Inc.				PROJECT				Date: 12/12/2006		
120 Mountain Ave., Blo	omfield, Com	necticut	Project Name	:	Bro	oad Street Parka	ade		File No. 5.0043547		
Phone: (860) 286-8900			Location:			Manchester, CT	1		Eng./Sampl MTM		
				SA	MPLING EQUIP	MENT			OVA/OVM: 10.6		
Air Temperature (°F):	~40-45F								Calibration Standard: Source lamp:		
Weather Conditions:	Overcast		Sample Met	hod/Device:	Hand shovel			_	Instrument Reading (start):		
			Grab	Hand Auger	Hand	Core/Borer	Dredge	Other	Instrument Reading (finish):		
Sample ID	Time	Sample Depth (FT)	OVM Reading (PPM)	Odor	Ground Cover (asphlt/cnc.gras)	Cover Tickness (ft)			Sample Description		
T-5	8:50	0-6"	0	None	Asphlt.	2"	Med, reddish	n brown, coa	rse to medium sand, trace gravel and silt		
									•		
	SOIL CONDIT	IONS		Di	ENSITY		ABBREVIATIO	ONS	ORGANIC MATERIALS		
Fines (silts & clay)	Too fine to see	. TRACE (TR.)	0-10%	V. Loose	V. Soft	V - Very	F - Fine		Organic Silt: Dark gray to black, light weight, often H2S odor.		
	est visible particles		10-20%	Loose	Soft	GR - Gray	M - Medium		Humus: Decomposed root/twig/leaf litter - forest areas.		
	5" (granular sugar)		20-35%	M. Dense	M. Stiff	BN - Brown	C - Coarse		Root Mat: Living root fiber structures, found in marshes.		
C. Sand 1/	6"-1/4" (rock salt)	. AND	35-50%	Dense	Stiff	YEL - Yellow	F/M - Fine to M		Peat: Fossiliferous root mat - decomposed fiber structure.		
Fine gravle 1/4"-3	3/4" (pea to grape)					RD - Red	F/C - Fine to Co	parse	Note: logs, branches, roots, shells, black streaks, H2S odor.		

#### APPENDIX E LOCAL AND STATE REGULATORY DOCUMENTS



# STATE OF CUNRELICUI DEPARTMENT OF ENVIRONMENTAL PROTECTION



April 18, 1983

Stop & Shop, Inc. Construction Department Post Office Box 369 Boston, Massachusetts 02101

Attention: Mr. Milton Kasner

RE: Disposal of approximately 4000 Cu. Yd of soils from the Stop & Shop Site at Manchester, Connecticut

Dear Mr. Kasner:

Contaminated soils being removed from the Stop and Shop site in Manchester may be managed and disposed of as a solid waste. These soils may be used as daily or intermediate cover at any permitted solid waste disposal area with the exception of bulky waste disposal areas. The hauler of the soils doesn't require any permits or licenses from this Department. This decision is contingent upon:

- Stop & Shop contacting this office 48 hours prior to removing any soils; and
- 2. Testing procedures as outlined in a letter dated March 23, 1983, GZA, Inc. to Stop & Shop, Inc. being adhered to.

This approval is based upon criteria contained in Part 261 of Section 40 of the Code of Federal Regulations, chemical analyses provided by Stop & Shop, Inc., taletter dated March 23, 1983 from GZA, Inc. to Stop & Shop, and report entitled "Proposed Stop & Shop site, Manchester, Connecticut" dated February 1983, prepared by GZA, Inc.

Should you have any questions, feel free to contact me at 566-4869.

very truty yours

Senior Samitary Engineer

Hazardous Waste Management Section

BLG: et

cc: G. Kandra - Manchester, Director of Public

W.G. Williams - GZA, Inc.

B. Coss - DEP, Oil & Chemical Spills

Section

C. Kurker - Solid Waste Mant Unit

Phone

165 Capitol Avenue • Hartford, Connecticut 06106

An Equal Opportunity Employer

### January &

#### GOLDBERG-ZOINO & ASSOCIATES, INC.

Geotechnical-Geohydrological Consultants

The GEO Building 320 Needham Street NEWTON UPPER FALLS, MA 02164 617-969-0050

122 W	scut DEP	34.		The second secon	soolme continues Step and
- Harrist	find CT	<u>Olatüle</u>			2
GENTLEMEN:					
- WE A	ARE SENDING YOU	□ Attached □ Under	separate cover vi	ia	the following items.
□ Si	hop drawings	☐ Prints	☐ Plans	☐ Samples	□ Specifications
ŬĘ C	opy of letter	☐ Change order	D		

COPIES	DATE	NO.	DESCRIPTION
	-17	1	
			PA
			ŶĊ <sub>A</sub>
			the Man It
			my to the to
			"VACOS 1- 985
			ENT TEO.
			Wald I

☐ Approved as submitted

LETTER OF TRANSI

☐ Resubmit\_\_\_\_copies for approval

THESE ARE TRANSMITTED as checked below:

☐ For approval

☐ For your use	☐ Approved as noted	☐ Submitcopies for distribution
☐ As requested	☐ Returned for corrections	☐ Returncorrected prints
☐ For review and comment	0	
FOR BIDS DUE	19	PRINTS RETURNED AFTER LOAN TO US
REMARKS Attached 13	a letter of	my understanding
of the Departmen		
the second of th	The state of the s	mated with gardine
		ressed this concerns
		contournation. The letter
also describes a me	that for determin	unton at house in
		Kapish (Dept of Health)
		h are being analyzed by
		- rosults of the audins,
we are worst of	set empletion and	Leero Meneralation to
The state of the s	The same of the sa	



GOLDBERG • ZOINO & ASSOCIATES, INC. GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

RECEIVED

MAR 2 5 1983

L. E. A.

DONALD T GOLDBERG WILLIAM S. JOHNO JOSEPH D GOERTIN JR JOHN F AYEES

JÖHN P. SIJLUVAN STEVEN J. TRETTEL JAMES H. REYNOLDS

CONSULTANTS: WALTER E JAWORSKI STANLEY M. BEMSEN

March 23, 1983 File No. G-3550-C

Stop & Shop, Inc. Construction Department Post Office Box 369 Boston, Massachusetts 02101

Attention: Mr. Milton Kasner

Re: Stan

Standards for Disposal of Gasoline Contaminated Soils from the Stop & Shop Site at Manchester, Connecticut

#### Gentlemen:

Barry Giroux (Hazardous Materials Management Unit of the Connecticut Department of Environmental Protection) cited one criterion -- non-flamability -- and one standard -- less than 50 ppm benzene -- to be met before DEP would recommend disposal of soils slightly contaminated with gasoline at the Manchester Landfill. Mr. Grioux has not yet determined if there is a water quality impact.

A standard for determining soil flammability can be derived from the lower flammability limit for gasoline which is one percent (volume: volume) or 10,000 parts per million (ppm). Soils can be screened on site by the Century Organic Vapor analyzer which has a detection limit of 1 ppm, or an explosimeter which has a detection limit of a fraction of one percent. No soil from test borings obtained to date, have exhibited organic vapor concentrations which would constitute a flammability hazard.

The benzene standard -- 50 ppm (weight: weight) -- which has been imposed for disposal of spill cleanup materials should be applied in two phases. (This approach was developed after

a conversation with Jan Kapish, director of the laboratory for the Connecticut Department of Health.) The objective of the first phase, the soil testing phase, would be to assess if average soil concentrations of benzene exceed 50 ppm. This would be accomplished by analyzing vertically composited soil samples for benzene using a quantitative heated (70°C) head space technique. Split samples would be analyzed by an independent laboratory and GZA. At this time, GZA would develop field procedures to analyze soils for benzene by heated head space techniques using portable equipment. If composite soil samples possess less than 50 ppm benzene, no further testing of soils for benzene would be undertaken. During excavation, soils would still be required to pass the flammability test. Soils exceeding the flammability standard would be renovated by volatilization, as described below, with the exception that the standard to be applied for renovation would be the lower flammability limit of one percent.

If some composite test soil samples contain more than 50 ppm benzene, a second phase of remediation and testing would be required during excavation of the contaminated strata. Soil strata shown to contain more than 50 ppm benzene in the soil testing phase would be renovated by being spread in a layer over the ground to allow volatilization of benzene. Attainment of acceptable soil benzene concentrations would be demonstrated by heated (70°C) headspace analysis performed by GZA according to procedures developed during Phase I soil testing.

Very truly yours,

W. Com Well

W. Gary Williams Senior Aquatic Chemist

WGW: dlw

cc: Mr. Rex Anderson, LEA



#### INTRODUCTION

Five soil samples were received on 22 March 1983 for two composite benzene analyses by gas chromatography/mass spectrometry,(GCMS).

#### EXPERIMENTAL

For composite analysis, equal weights of each soil were added to a 40 cc glass bottle with a teflon lined septum and heated to 70°C for 45 minutes. A 100 ul headspace was then injected directly onto a 5%-SP1200, 1.75% Bentone-34 GC column interfaced to a Finnigan MAT 1020 GCMS system. Specific operating parameters can be found with the attached chromatograms. Results are summarized in Table I.

### TABLE I - BENZENE

CAA ID

830322-11,12,13

830322-14,15

Client ID

S-1, S-2, S-3A

S-4, S-5

ANALYTE

CONCENTRATION (mg/kg) ppm

Benzene

1.1

1.3

## HAZARDOUS WASTE INSPECTION CHECKLIST

4	Inspection Date: 4/25/84 7/8/84
re: Histore Dumpsite	Inspection Category:
Location: Broad ST.	RCRA Notifier as:
Manchester	
	Transporter:
Phone No: ( )	TSDF:
Contact & Runald Krutz Health Depr.	Part A Application No, Yes
Contact & Roand Krafz Health Dapra	Inventory: P.
Hailing Address ( if different from	
location):	Complaint No:
	Other (describe):
Inspector(s): Zimmerman	8
	× ×
CHARACTERIZATION OF SI	TE ACTIVITY
Type of Activity:	
Processes:	4
municipal vehice dimpsi	re usel ? 30 years
Ago: Buildings in Area bo.	It on pile-ons to
reduce Settlement. Sewer lin	es recently installed - No
	uses has one Industrial
wastes during the matallytion.	
	manager and the same and the same and the same and the same and the same and the same and the same and the same
Water Supply (if well(s) give approx. Nocation)	All city water in
this Area	
(0):22	•

	<u>Storage/TSD</u>
	·
	1 / 1
	1.1
127	
	III INVENTORY
	s site notified EPA under the Comprehensive Environmental Response, Compensation
A) Has thi	s site notified EPA under the Comprehensive Environments (No Yes: No Yes:
(Attack	convint Notification. 17 available)
- 12	
Freque	ncy; How long; and by who (transporters, radifficies, death
of Off	-site:
***	
	10//1
2 <del>-2-12-10</del> /10/10/	
	No. Yes.
C) Is the	re any evidence of On-site disposal? No, Yes.
Give A	pproximate Location; Type; Amount/Frequency; Length of Time On-site disposal has sed, etc. (Specify any historical On-site disposal):
been u	a has been commercially built apona Except for
Acc	a has been commercially being that this site
STr	set SetHement There is no Evidence that this site
LNG	5 a dimping ground.
	IV RECORDS
262.11/	aa) <u>Hazardous Waste Determination</u>
25-54cc(c)	- ·
2(a)(3)(A) &-9(3)(3)	
2-2(0)(4)	1)Performed:
	2)Records Maintained:

	and the	INSPECTION TYPE: RCRA PICL-INV	other-INV FOLLOW-UP
Street Address	Town	Compliance w/	Complaint #
~/4	Previous K.W.Inspection	NONE SAMPLING: #'s:	
PA IN Number (or note N/A)	11211000 11,1111000	Other:	
HAT DO THEY DO OR MAKE?			COUNTRACE COUNDED M
STATUS: RCRA NOTIFIER AS: SM-	Q GEN TRANS TREATMENT STORAGE	DISPOSAL // MAJOR MINOR-TSDF MINOR	R-GEN/TRANS GROUNDWA. M
	s. No Haz. Waste CI-Regulated Unity		
SM=t) (≈ 13t0=1,000kg7mQ7	/accum.) SM-Q(< 100kg/mo/accum) Mov	N/A. Is a status change needed	yes no lf yes,
uses the actual operation agree	3 With the hoth reactainyes		explain:
lf a TSDF, does the operation a	agree with the Part A? _yes _no	_N/E. Comments:	
TYPE OF WASTE HANDLED:		TREATED/STORED/DISPOSED IN:	
Listed H. Wastes CHARACT.		Containers: Approx. # on-site Tanks(aboveground) Wastewal	er Treatment System
Hon-Chlor. SolventsCarros	ivePCUs	Tanks (belowground) Thermal	Treatment m/Bio Treatment
Acutely Toxic ("P") Reacting		Waste Pile Secure 1	andfill
Other:		Other: Engineer	red Landfill
of the second lines of the violation w	, deficiencies, etc. noted and brie rite "N/E" in "In Compliance" column crow (L or III) for each area of no atus at the time of the inspection,	n-compliance.	
USING PERMITTED TRANSP	URTERS*		
USING PERMITTED TSPDS"			
HAZARDOUS WASTE DETERM	IINATIONS"		
INSPECTION SCHEOOLE &	505		
PERSONNEL TRAINING		NA	
- CONTINGENCY PLAN		1.	*
WASTE ANALYSIS PLAN		•	
CLUSURE PLAN & ESTIMA	TE (MIDENES)		
POST-CLOSURE PLAN & E	STIMATE (Amount\$)		
FINANCIAL REQUIREMENT (Note amt. & mechanis			
OPERATING RECORDS			
SECURITY			
	N7 ! (Na		
- PREPAREDNESS & PREVEN	1,108		
GROUNDWATER MONITORLE			
	base&berm, sloppy s	O days for Gen,problems w/labels, ac storage, handling or ign/incompat/re	actives, proper arapare.
Oruniainal repar	dungin ground > 30	years mo. No 17	72 OR
Industrial wastes	Natived one expres	years Ago. No 17	
			G.
	Y .		
			nr of Inangeroe)
GENERAL COMPLIANCE STATUS.	BEFICIENCIES ARE: MAJUR LATERME	DIATE MINOR MONE (in the judgeme	HE Of Englands, (1)

GENERAL COMMENTS: (Under enf.action, compliance deadlines, etc.)

Is there evidence of on-site disposal or potential for groundwater contamination? he was possible. Gw Class 6-13

Broad St. no information found.

CALABRACE MASSES BARRES BELLICH - STATE OF CONTESTICUT DEF

" IMMINISTRA P.A. 19-405, Exertism 13

CONTROLL CONF. CATA LOS A Call Brokens CALCAGE GARANALAG ALL LINES のでの一般 SEVENIUM WORKSHEET BPECIFF GRASTER LANGE COM E MAN PERCYCLES . BIRATION TIPE OF WATE MAZ/WOR-MAK. Merke of Missin \$255-8C 47712 TO TO TO MARKET BELLEVIEW AND STREET, ST. ST. BITE PARTORAL DETERMINE A CARCAGOS INCOMPLETION CALL BUT LEADING

And any the special of the control o 1.41.7-1.47 - 678 () T 31 31 70 W 45 54 70 L TREETHONE 291- 9274 F SHARES PARTY FOR THE WAS TRUESTED IN 156 561-2810 THE PROPERTY OF DATE OF LICENTOPHORE SYSTEM OF SHAPE STATEM OF SHAPE S [] YES 12/12/  $\supset$ D 264 H3 FOR STATE AGENCY 2/60 5/75 06/08 1040 17 Charles Frederick C. Ballin 正年 031 NG 334 B NOT HE THEM NOT HE THEM REMAINS THEM VЦ 121 # | M n agin connectives 60 ORGENTAC WOITCBTORG -RENTO RCT (NEW 2) 12 My <u>L</u>i \*\*\* MESTERMA (CETACO) (CETACO) Mourilyster 1/ Haitheral  $\times$ × CENTRE OF A THE CONTRACT OF THE STATE OF THE ONDOHING MOITCETORS englice and the particular of × × Production Line commerces in the PSE visible in Linearity (2) in Americans of the Service of the Commerces of the Service of t GENIS South FEDERAL (GSA. NO SANJONESIE DECROPINES TI BENTO TION TION 15 Mm) A COMPTHEE THAT 1200 PLEASE TYPE OR PRINT ALL DINCE COPIES MIST OF LEGISLE M. 22017 54 Described of critical Protection in the Protection in the Protection of the Protecti 83 TEE 15 3 × >< RECEIS INSTRUCTIONS FOR FILMA NOTIFICATION TAKE far. TEL, (980) 424-3374 CHEMICAL HAMP OF PRBICIES SUBSTANCE U.J. - Theforeathans Maating tool \$2 CAS #79618 (just tode cored) (Grane C.A.S. No. 3 (eneutr) Gase love gase MK. M. CONTENTS Wit Del 344 Bred St. 344 Bred St. NO AND STREET CHEMICAL × Mr. Aud West of Mauchoper Ise 5/88 58/5 5/8/2 8773 Mr. Aufo West of Mender In JEACHTH STATE EST DILEMENT Mr. Lee Brokk 150 12h STATUS (fit any) н мексев аттесть вистеп ветания ана пославия (Ж 2 PG or 77-1241 GENOONABA BOAJIS MI Ding STELD. N PRIVATE BEO NI × Tobber -Copy at SPROMIND STORAGE C CASTAL C CASTATY (Galls) 0 000 0000 5000 SINFEY CONTOCKES 3 1 51111 DATE OF SHEET (MAYOR) ISMESS MAME AND ALING ADDRESS Methorops: NEW TOWNS PERAMBER OF CAUT 2/13 7/60 CONTRACTOR 立 WHEN OWNER (pe or center) 13 Š Africant. aldın. 0138 Æ

PP194-5 Pt/C 5/91

# FINAL CERTIFICATION FORM CERTIFYING INSTALLATION OF

## CAR WASH WASTEWATER TREATMENT FACILITIES

DO NOT SUBMIT THIS FORM WITH THE APPLICATION

SUBMIT THIS FORM ONLY AFTER RECEIPT OF APPROVAL LETTER FROM DEP AND AFTER INSTALLATION OF TREATMENT FACILITIES

Revision May 3, 1893

344 Brood Street.

Car Wesh

RED

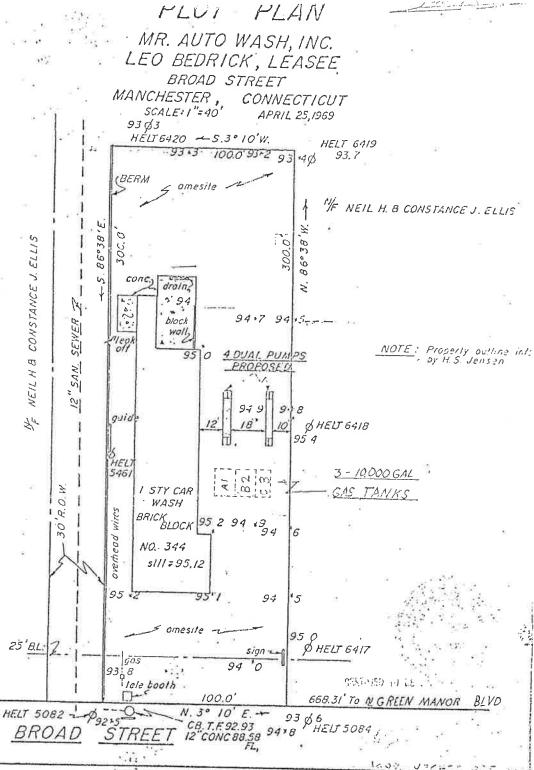
RED

RED

9489-848 6246 9657 - 949 500 3499-3495011 Constitute , III and attending the party of a state of the party of the pa MONITORING DETERMINISTED POTENTIAL DESCRIPTION OF STREET STORY CORE INSTALL 0 S 19, FAITURE CA OZ · Water SPERMINE C. DATE CUTABO Openity 1972 Iron St. 24 DAYE STATE A SHELD SYSTEM D NES 0 0 0 (MAN) CT 050 40 smg m 9r CT 050 40 ROBERTATE
ACEDITY USE OFFE

B. DATE BYTH END FE STATE THE CORE RIPINGS STSTEM B. DATE OF B. STALLATION C. S. S. S. OR STATE 100 CODE REPLACEMENT 1/100 08/4 (MO / Yr.) 1.7% ..... 5/75 17 INTEGRAL \* KNORAND DIGOSTOSS

BINTO
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO STORY
TO S 1.00 1 Callo Co-Calcata 708 مرا L(?) EPH/M- 6 NEW 10/85 MILLIAMGORRA 14 2002a 2004 £23 143 441 79r Viking Pape as Print I. EXTERNAL Marchester Manchester Mounthes 18 E 344 Broad St Brash Michael Blod Manchester 地方の CATHODIC PROTECTION GENTED/ DESTARS/W X N Basin 4504 CITY OF TOU The common common recovered to the common is common for the control in the contro 1 Di-M Y 1 SHEETEN. NATIMED (INED SSALDASHR OBSKOSHRE SIRAD KSHTO Vibaqs) (A Ini Reol HOLLENGTION الناوية FIRST THE ALT THREE COPIES AND DELEGISTED FROM RELEGISTED FOR THESE TOTAL SHOP INCLUDED THE SHOP SHOP INCLUDED TO SHOP INCLUD FEDERAL (S.S.A. No. STATE OF X. 1 19918 0x 784 100 18 BORDORANIES STABAND DACHTES PROGRAM BOYANDANA MATERIA MARKATATUR BOT NA CAJAR Assess Incident Of 1930a CHEMICAL NAME OF PRINCIPAL SUBSTANCE of Stock names) later C.A.S. No., If Snown) Broad L. I.V. Teichforeasthorne CAS IP9016 Penang filet#2 Bo 組みては日のです。 CANNELINE ASSETTED NA STATE OF THE PROPERTY OF TEL, 5%5-1630 14. CONSTRUCT O P. O. F.O. hh TEN ANT STREET 13 TYPE OF COMMENS NOND CHEWICK! M. LI MUNCIPAL ARC NOT SELLING CASOLINE TANKS MAKE MERALT OHVPEYRO 1 17 1 [Mo./Yr.] 8/70 TAPIK LAST USED 一日の一日日 SANCHETT TRANSPORT Sentle Touch Car Wash ING High Fixe Asseciates. Inc. × BEWOARD 933 High Eive Associates STATE 12 b, STATUS SON ATTACHED SKEICH OF TARIES AND LOCATION? Mesnil PS. of 150 C AT 120 7.58 N PREVATE ļ. 345 Andre 2000 05,50 CAPACITY 100 TOTAL 野女成立のない おおまます SARATITA SALE ではなけるのな 15 PACE OF 1 CAS / VA J C 1 Í 4 SS HAME AND G ADMINSS 09/2 ICIE/CONTAC 10 10 10 DATE OF Y OWN IEE ACED A 1890 OWNER



11.50

LICENSE FORMIT W/STATE OF CT

## STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION

77 LEA4 CAPITCL TIRE CO 825 BROAD ST MANCHESTER

OT 04040

Dear UST owner/operator:

The following questionnaire should be completed as part of a joint state and federal compliance monitoring project. Please answer as accurately as possible all of the following which pertains to your particular UST site. Please be advised that the information herein provided will be compared with those data currently maintained as part of the Connecticut DEP/ Federal Environmental Protection Agency data management system. Please make as many copies of this form as needed.

management system. The state of the state of				
1) If you own ONLY heating fuel tanks for on-site consumptive u	se, pleas	se check	here a	nd
return this letter.				
2) How many UST(s) are in service at this site in total (including consumptive use)?  How many are heating fuel tanks?				on-site
Heating fuel tanks used for on-site consumption only are exempt from the Use one row vertically for each tank /container that is part of the facility	<i>he rest o</i> y being r	eported.	vey. 	
3) What are the tank I.D.'s?  (as previously registered with CT DEP and EPA)  4) What was the date of installation for each of your tanks?				3.
5) What do these tanks contain? C=hazardous materials  G=gasoline. D=diesel fuel, W=waste oil				
6) What is the total capacity of these tanks (in gallons)?				
7) What type of UST(s) do you have? F= fiberglass, S=Steel, C= steel clad and cathodic protection O=other (please explain)				
<ul> <li>8) Which of the following leak detection options are being used?</li> <li>a) inventory control (gauging / weekly reconciliation with water paste test) and annual failure determination</li> <li>b) double walled UST-interstitial monitoring</li> <li>c) automatic tank gauging (eg. Veeder root system)</li> <li>d) approved installation and monthly monitoring of ground water wells</li> <li>e) approved installation and monthly monitoring of "vapor sniffing" wells</li> <li>f) Manual tank gauging as defined in 22a-449(d)-104(e)2 for UST systems ≤ 2000 gallons</li> </ul>				
9) Do you have pressurized piping or suction piping? P = pressurized; S = suction				ļ
Fig. 4				

What kind and when?		0								
			<del></del>							
UST systems MUST be upgraded according	ly or closed (including	environmental samp	oling							
survey and remediation, if necessary) prior to	December 22, 1998.	For questions 11,12	and							
13, please put a 'P' for upgrades that have a	lready been made and	an F for upgrades	to be							
made prior to the 1998 deadline. (Please inc	lude projected date of	compliance. eg., 11	797)							
11) Spill protection provided by a catchment bas	an									
AND	1									
overfill protection provided by an automatic shutoff overfill										
alarm, or ball float valve	( ) (=) )									
( See UST Regulations Sec.22a-449(d)-102	(a)(5) )									
12) Corrosion protection for the tank and piping										
a) steel tank has corrosion resistant coating an	1		S							
cathodic protection										
b) tank made of noncorrodible material	100									
(such as fiberglass)	(0)(10))									
(See UST Regulations Sec. 22a-449(d)-102	(a)(10))									
13) Corrosion protection for piping provided by	ag and									
steel piping with a corrosion-resistant coating	ig and									
cathodic protection	(2)(10))									
(See UST Regulations Sec. 22a-449(d)-102 14) Will you be or are you now in compliance v	gith the December 199	8 federal and state do	eadline							
14) Will you be or are you now in compliance v	YES YES	NO NO	) # G ] / (							
for spill, overfill, and corrosion protection?	11.5	.,,,								
If you decide not to upgrade your existing UST.	custem with the items 1	Thove you MUST pr	operly							
close the UST system. If you subsequently insta	II a new UST system, t	he new installation r	nust							
meet all the regulatory requirements for installe	itions after December	22. 1998.								
Failure to legally upgrade or to close applicabl	e UST systems (includ	ing submission of cle	sure							
reports with sampling data) will be viewed as a	serious violation of Si	ate and Federal								
environmental law.	J	9	5							
ettyti Onintentat taw.	v									
- 1 11 06	-95	200								
Tour Verngentola 1-0	7)	203 646 3357	<i>-</i>							
Signature Date		Telephone								
5.5	5									
Please return this letter to:	Please return this let	ter by:								
Department of Environmental Protection										
Waste Management Bureau	OED 1 1 W	יטנ								
79 Elm Street	SEP 1 4 19	95								
Hartford, CT 06106 ATTN: Kelly McShea										

10) Do you perform release detection on piping?

If you have any questions, please contact this office at (203) 424-3374.



## STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION



Re:

77-1264

Dear Owner/Operator:

Thank you for completing the Underground Storage Tank (UST) Questionnaire. The information represented on your questionnaire, however, Edoes not match the information on your most recent notification form (Form EPHM-6). It is a State and Federal reguirement that Forms EPHM-6 be submitted to the Department (UST - Program) with each change of status of UST Operation/Ownership.

For your convenience, we have enclosed an Underground Storage Facility Notification Form form. Please submit a copy of this letter with the completed form and return it to this office with up-to-date information about your UST facilities.

If you have removed or abandoned motor fuel or waste oil tanks prior to December 1988, and closure reports and/or soil sampling were not conducted at that time, please send in any empirical verification of cleanup or degree of contamination which you may have.

If you have removed or abandoned motor fuel or waste oil tanks after December 1988, please submit a concise closure report, including copies of sampling results and verification of clean-up, as required by state and federal law.

Should you have any questions, please call me at (203) 424-3374. Thank your for your cooperation.

Sincerely,

Kelly A. McSheal

Kelly A. McShea

We Stow the following tank in use.

TANK ID: A-1 CAPACITY: 550 gals

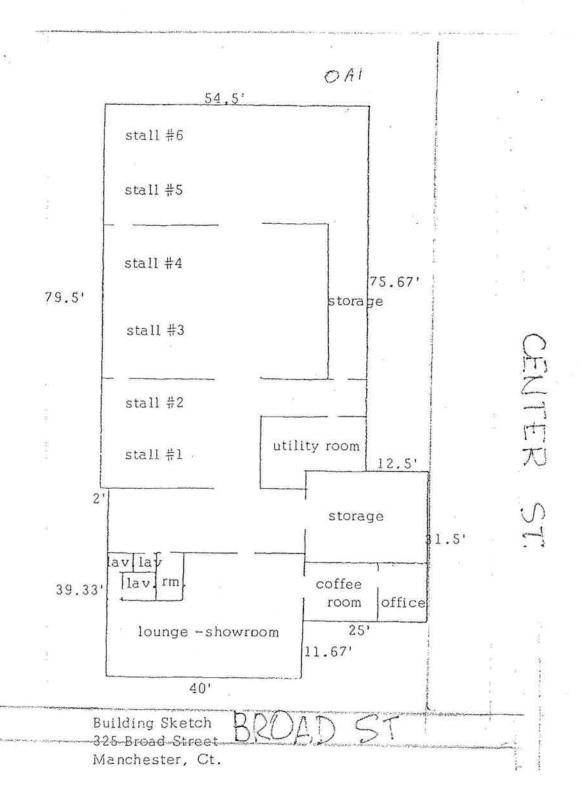
Instilled: 1=73

(Printed on Recycled Paper)

79 Eim Street \* Hartford, CT 06106

An Equal Opportunity Employer

See 1 1923 512	e medika apakatuliy	- 1		74					VI.	Í	9 9			2 F
		12,37,01	203 646-3356	203 528-9241		203 646-3356		Ž,	1	No.				1/2
4 March 197		7 7	203	203	asquett)	1-203	STATEM.	3	2					6/17 Gen. Mgn.
1	so %(	41°46		06074	230-000	06040	Section (Section 33	2/60	1973				3	
= 10	0	5	P	Б	Som	lcT	20 20 000 000 000 000 000 000 000 000 0	NG.	Ni	- 7			5	- 1 2 2 E
Zigan water	EX.		-				IN SOUTH CONTRACT	edie	laj !	#	TIVE	717685	ENT UNIT	lack lede
. 1952	4500	Manchester	Manchesten	S. Windson	100000000000000000000000000000000000000	Manchester		anners	100 (CO)	27,745	RECE	JUN 1	MANAGETIENT UNIT	Frank
	)) ≤ () ()	¥ 1		S		1	25 Hanne 15 Hanne 15 G28-151-01	×	×	×	1	12		
	51 (27)	St.	The second second second		20.100		TO AND COMMAND TO AND	34(		×			1	
		Center	2,7		A repetat (0.5.a. 11a.		y							A Company of the Comp
Man Control of Control	A STATE OF THE STA	l St.	S.1.	stants Nutimeg Rd. No.		St	14, Contents Chemical stook of Prostoble stoom (C. C. C. C. C. C. C. C. C. C. C. C. C. C	F 5.1.40	4-55- C 10 - 55- 55- 55- 55- 55- 55- 55- 55- 55-	Waste Oil			Act of Constitution Comments	Control of the contro
145 AV	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MORE	325 Broad	555 Nutme	AMERCIPAL	325 Gread	Section 1975		×					
		3 10	¥ ev	R re	[] Janeschau	m	E TAR	X	57.78	270 9879			1 :	- Y
						8	SAL PROBABILITY OF THE PROBABILI	1	×.	9				
7. I		Co.	Co.				CONTRACTOR OF THE SECONDARY	-	: !		- i			XX XX
		Capitol Tine Co.	Capitol Time Co.	Milton Ballot	E.X. Payers	John Greens	207. 4 207. 4 207. 4	) 36 0862	STATE TO	550 X			• • • • • • • • • • • • • • • • • • •	3
endese stoanak 17 ekelima ette	7.	Capit				7	4 - 12/0/10 - 2 1	d.F	Í.	( <u>@</u>				
70,000 PM	Color Color	16.00 16.00	No Chapter Sent	72.	\$20 MAC - 1	Charles Sec.				1973			i i	





DATE: Oct. 29,1986

TO: Capital Tire Co.

### STATE OF CONNECTICUT

### DEPARTMENT OF ENVIRONMENTAL PROTECTION

:555 Notmag Rd. . 306 Market St South Windson, CT 4 Tanks

. 153 Boston Post Rd. Willimantic, CT 1 Tank

· 1020-24 Silas Deane Huy · 58 Maple St. Wethersfield, CT 2 Tanks

Hartford, CT 1 Tank

. 1009 New Britain Au Elmwood, CT 1 Tank

Wethersfield CT

FROM: Department of Environmental Protection 165 Capitol Avenue Hartford, Conn. 06106

SUBJECT: Life Expectancy of Underground Storage Tanks

Pursuant to subsection (h) of the DEP's regulations on Underground Storage Tanks, life expectancy is as follows:

> PIBERGLASS REINFORCED PLASTIC - manufacturers' corrosion warranty period.

> CATHODICALLY PROTECTED EXTERNALLY COATED STEEL - same as above or calculated anode life.

Existing facilities not either of the above - 15 years from date of installation.

On your notification form you failed to indicate the life expectancy for the tank(s) listed below, therefore, we are assuming your life expectancy(s) to be 15 years. If you have documentation that indicates otherwise, please contact us at . 898 Farmington Au . 82 Boston Post Rol 565-4630.

Waterford CT

Farmington, CT

Z Tanks

1 Tank

Sincerely yours,

. 325 Bread St. Manchester, CT

· 22 Thomas ST

of Tank

E. Hartford, CT 1 Tank

Bleanor A. Tewksbury Pield Inspector

. 458 Putnam Au. Handen, CT

2 Tonks

cc: Local Fire Marshall

paraguin	J.	27.02	1,646-377	3 239-2357		2631646-3772	to relating	100 mm mm.	50		NO				***	
10 10 10 10 10 10 10 10 10 10 10 10 10 1		35	303	3 . 1203		320	0.1	SECRETAL SECRETARIA SE	10		۵					
		C+ 41 36	CT. 06070	Ct 0647	Valva valva		Profession of the Profession o	£2 =1	5/73	760	3/70					
and the AT o	the 1 sales	0	0			3		resolution accondition accondition feed area	165	× !	^			-		). 27 39 ies
All Bridge				3	Ì		1	90035729W 70035729W	1242	1442	I					Hychly Klas o magica
	c	Manchester	Manchester	Hoven	4	Mancheste	49 S	OSSEVUM MOREMOD MOREMONA		Norwand	energy -	makewee	avyanni yart			11/2
	1. 2	Mane	Man	North		Manch	: :#	CALFORNA	34	×	×			-		
(a) 11.00 - 200	The L						100	GBreit Scrapped)				Í				
	2.2				3		AATHER SE	19 04 1665 4,01605 23815 231507451 221507451 221152507	i i ast		+					
15	3	enter St.			\$		1	19943			×					
And the second of the second o	200 T. S. S. S. S. S. S. S. S. S. S. S. S. S.	10		A Ave.	II leven			AS OF PHENCETT	164	10 10 Perio				10.00		
graham tru gram bis graham truggan bis gram divide	68,856,690	Broad St.	Box 1105	dalletown		Broad St	14. G******	Chabitan Navas Of Hittings Bassarban And Profes nation 1 Prinse C.I. S. Ho. III Enertic		18	Gasol	* * * * * * * * * * * * * * * * * * *				
Section 1		360 Br	0 8	700 M	4	360. E	PYPE OF			74						
2000			ž 0.	7		19 10		SONBOLE YE CHISA/R	i ik	1 3	×					4 1
4	Port i		ien	10.7.0		1									ļl	
		1 1	Speid	Assoc	ED anne	1.5	THE STORY	Cuttanto 1891 I	4	1					1 x 1	Z.
21 21 	156	met	ery As	Tary		Higgins	5.2	E			1-1	<u> </u>			<u></u>	M to the same of t
*	DETT !	Ü	t wat	9	X. perlyate	6	,	80 10 14 03 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15 1	3 50	OFFICE	×				1	
¥	À	St. Jomes Cametery	olie C	C. Halli Cametary Association	×	Ma Henry		245.4V			1000	8	- Vieto	IB B		
	14	ts		j		100	Tall to			en no Lui	1,01		i de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela comp	or-bin orași	den de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela composición dela c	- 1
Scarting - general			Commend Contain Commettery Association			Mary Applied		All the first of t	.'9		3/10		i Çəsə	io dien		

## Catholic Cemeteries Association HE ARCHDIOCESE OF HARTFORD, INC. Greater Hartford Region REGIONAL OFFICE STREET Mt. St. Benedict Cem. 1 Mt. St. Benedict Ave. Bloomfield, Conn. CEMETERY OFFICES BLOOMFIELD Mt. St. Benedict Cem. 1 Mt. St. Benedict Ave. MANCHESTER St. James Cem. APPROX P.O. Box 1105 CEMETERIES BLOOMFIELD Mt. St. Benedict St. Patrick EAST HARTFORD St. Mary ROAD MANCHESTER St. James St. Bridget

8 0 4 100 1 20 64 1431 20 64 1431 20 46 1431	
MPR 04 1991  240, 1641  340, 1641	Bu Sile Jugit.
	Se Si
CL 3 100 04 CC CC 06 04 CC CC 06 04 CC CC 06 04 CC CC 06 04 CC CC 06 04 CC CC 06 04 CC CC 06 04 CC CC 06 04 CC CC CC 06 04 CC CC CC 06 04 CC CC CC CC CC CC CC CC CC CC CC CC CC	
REDEIVE	Mayabae R. Buth
STOCHES STOCK STATE STATE STAT	ukice R
Control of the state of the sta	- <del>                                     </del>
CS40 7. 1.30 7. 1.30	А. и Va ::
2 217% 5 507 Castal N	
All Street Skeen Proc Plv1  West About Free Brown Rec Brown	2010 TO Date 1.44 A
所は、「大き夜」」。 「	
Sheef Street Skee  Sheef Wille The  Sheef Walter Middle The  Sheef Walter The  Sheef	7
20 20 20 20 20 20 20 20 20 20 20 20 20 2	700P
Carcinal X Solver Solve	totte to
1 Clark  1 C	1 20 Yr.
the man history of the man histo	477912 14 Jen
Service Authorities Control of State Con	howe the
Serks, Auto Serks, Auto Cutter apr Stocklermor Minures Atthroc Section	場下は
Serry Automative Cutter Creming Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Minuse Page Stock Page Sto	The Min is on account by Sens Emphores out

203324-0152 and the county Property Manager 203646-1436 203324-0152 CT 41 346 '54" 172 ST ON STORY BUILDING THE STANSON OF THE STORY OF T ACTUAL DISTRIBUTE TO PROPERTY OF THE PARTY O STATES SANDE 19 yerlitar - Marine gala Sai was Gas 100 Service Use on any party and the control of the con No OPPLIATION 1 100 (6 5/29/86 3824618 221 1 15m Tu 2009) 4036 PRINTEGENS TO THE TOTAL OF THE 20,10,50 ch CT 06901 CT 06044 CT 06901 State of these 2860 ( 1/4 1/4 ) 12/15 COR STATE dh Lei S CUID CONSTRUCTOR j-,, M) PPHE ALMOSTACIONS R. A. Naylor 15 2571A 15. PERTERNIS CATE ON TOWN CATHOLNC PROTECTION COATED, WEAPPED CATHOUN CA Manchester Manchester Stamford Stamford Basin 4500 2000 THE STATE OF × The control of the co CHINE lears just notified us that they have, and are proposed to storage tank for used motor proposed as 500 gallon storage tank for used motor proposed to storage tank for used motor proposed to storage tank for used motor proposed to storage tank for used motor proposed to storage tank for used motors. GENT TWEETHOU THE GET TO PHEE COUNTY Green Manor Blvd. Page And Stocker A Comment of the security of the page 1882. W. Rate, to HETRUCHOUS FOR BINDS HOURICATION bases completed to be Trepresi (5.5 A 11.0 × 19515 ---364 West Middle Turnpike PREASETYPE, ALT TIPSE COPIES MUST BE TRUBBER THENK AL NAME OF PREBUINAL DISYANCE Introducing Ener C.A.S. Hey'll knowel List Trieb soughbor Cress progate Honding fuel 92 - 0.569-300 Broad Street 300 Broad Street Motor Oil TAL COMBINE Broad Street THEWSET DUSING ME 13. TYPE OF COMPENTS 5 T ANSWALL × 至2/注 1,A57 1,860 346 Cutter Operating Corporation × CENOMER ż STATE CHOOME EST CHAINTHAN CONTROL OF C 12 6 STATUS [X] and the same same and the same and the same as Broadmanor Associates Sears Automotive 971 1 FG. of Randy Naylor XI DRYLIE BSO NO 10.000 10.000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.0000 10 × The said 1000 02500 CAPACITY 500 TOTAL SOVERING GRAND A DATE OF STREET The state of 695 (1977) (18 A MI) (3) 1 (4/2) (3) 7/60 S.11475, 2774 2/63 DATE OF 67.97 Section (Children and Children 25% STANA 12 NW 255 FD 1,0 ALTERNATIVE PROPERTY.

A STRUCTOR	es recommende de la companya de la c	56 9 2 29 6	DE 1203,646-1436	TO ACC COST	06090 203,324-0132	TE TOTAL SEE	203324-0152	19, Fabru22	NASTANA Svendering		1 1 0	ON NO	8 8	No No	NO No	53 No	No	CN	000	April 29, 1986 Rroperty Manager
	lines.	1	State Two Color	12.	CT 06(	THE SAME STATES		THURA IG SYS	6 NORCHON 114-1-6 1	5/2	7 7/60	2 4/6	W 4/6	0 4/6	9/6	K 4/6	7 4/6	-	) C	46
EPHSA 6 THERE IN 184	So con constitution	octo	000	ester	pro		ord	CXTERNAL	MORTHER MORTHER PERCENTION PRINCE PERCENTION	nako	li	N	М	0	N	K	1	1 (	1 5	Mu Mu
		201	15	Manchester	Stamford		Stamford	15 PKP		X	×	N	М		N	K	1		8	134/7
i li	i pteting form	1	Manor Biva	0		(CSA No		15. COMBTRUCTOR	18918 - 45180=WEN - 45180=WEN	×	   ><	×	<b>*</b>	×	>	1 >		×	× RECUE	The first state of the control of th
ANT CATALLY CONTROL OF CONTROL OF CONTROL OF CONTROL OF CATALOG OF	ATTON D	14 18 18 18 17	Broad Street Green	West Middle Turnpike	00 Broad Street	C) remease (G		Broad Street	CHERROR HAME OF PRINCIPAL SHISTANCE (not herbe amou) (Enter C.A.S. No.J.I known)	Sheating hal #9	3, B.A. Telebilansenthenne	0 1	Gasolline	Gasoline	Sasotine : [	AUT TOSES	Gasoline	Gasoline	Heating Fuel #4	Compared the first transfer of the control of the c
N SERVICE	STABOUR BOAR	thus are seen	Broad	364 W	300 B	189001111111111111111111111111111111111	188015 GP4 - CM	1 300 B		151 ×	1	+	- 2	1	2	2	/72 X	6/72 X	/84 X	
	A THE PARTY OF THE		A STATE OF THE PARTY OF	poration	y n	Sixir		(*) 1. ST471KS	GSVOA		-	5 3 4			9	9	9			×
100 mg	113%		motive	rating Cor	40,000	**************************************			EST CHANNY SECTION OF	54 -			×	×	×	0   X	0 ×	×	X	S APID TOTATION
	(1) chatched.		Sears Automotive	Make Cutter Operating Corporation	4.75	Broadmanor Absocrates	1	Randy Nay.lor	TIE. 266 TOTAL TOTAL SACITY Gols.)		55 2000		2000	2000	5000	2000	2000	5000	10000	IN RAWE TOU ATTACHED SIEFCH OF TANKS AND LOCATION X
		UROBI		CASE AND	1	1	TYPE OF OWNER	PERSON	Tree to Date OF CAS (W. 17)		3/75	7/30	4/63	2/63	5/63	5/63	5/63	5/63	5/56	A Nave 100 ATTACHE

BROAD St. Q3NOQNY9H — 9,68 — GREENMANOR -56,9" 19/ EVery Pumped YEMTS TAMK. BLUD. 200 644 STORAGE 143 Concrete Saddle 3 points CONC. SLAB TAMKS TURNBUCKLE - 5000 9AL 7 5317"

U504ET1816 88 WHS: 076-078 #E:08-

UNDERGROUND STORAGE FACILITIES TRACKING SYSTEM DOCUMENT NUMBER CROSS REFERENCE EXPIRATIONS FROM: 01-1950 THRU: 11-1988 MINENTAL PROTECTION DEPARTMENT OF ENV

LATEST DOCUMENT NO:87243181 LATEST NOTIFICATION NO:008

SITE-ID: 077-01126

GRID-Y:000001 GRID-Y:000001

BASIN:004500 HOCKANUM BIVER PROPRIETARY?:N

DEGREES: 041 LATITUDE

LONGITUDE DEGREES:072 MINUTES:37 SECONDS:07

MINUTES: 46 SECONDS: 54

OWNER) HAME: BROADMANOR ASSOCIATES STREET: 00300 BROAD ST CITY/STATE/ZIP: STAMFORD [OWNER]

PHONE: 203-324-0152

CT 06901-0000

NAME: SEARS AUTOMOTIVE

STREET: 00000 BROAD ST

SIREET: GREEN MANOR BLVD CITY: MANCHESTER

INTERSECT OCATION]

USINESS]

[CONTACT] NAME:RANDY NAYLOR STREET:00300 BROAD ST CITY/STATE/ZIP:STAMFORD [COMTACT]

PHONE: 203-324-0152

CT 06901-0000

INESS NAME: CUTTER OPERATING CORP STREET: 00364 WEST MIDDLE TURNPIKE CITY/STATE/2IP: MANCHESTER CT 060 PHONE: 203-646-1436

EVIDUS NOTIFICATION/DOCUMENT NUMBERS:

CT 06044-0000

008/87243156

007/87243155

006/87243153

005/87243166

004/87243165

003/87243164

002/87243181

01/87243180

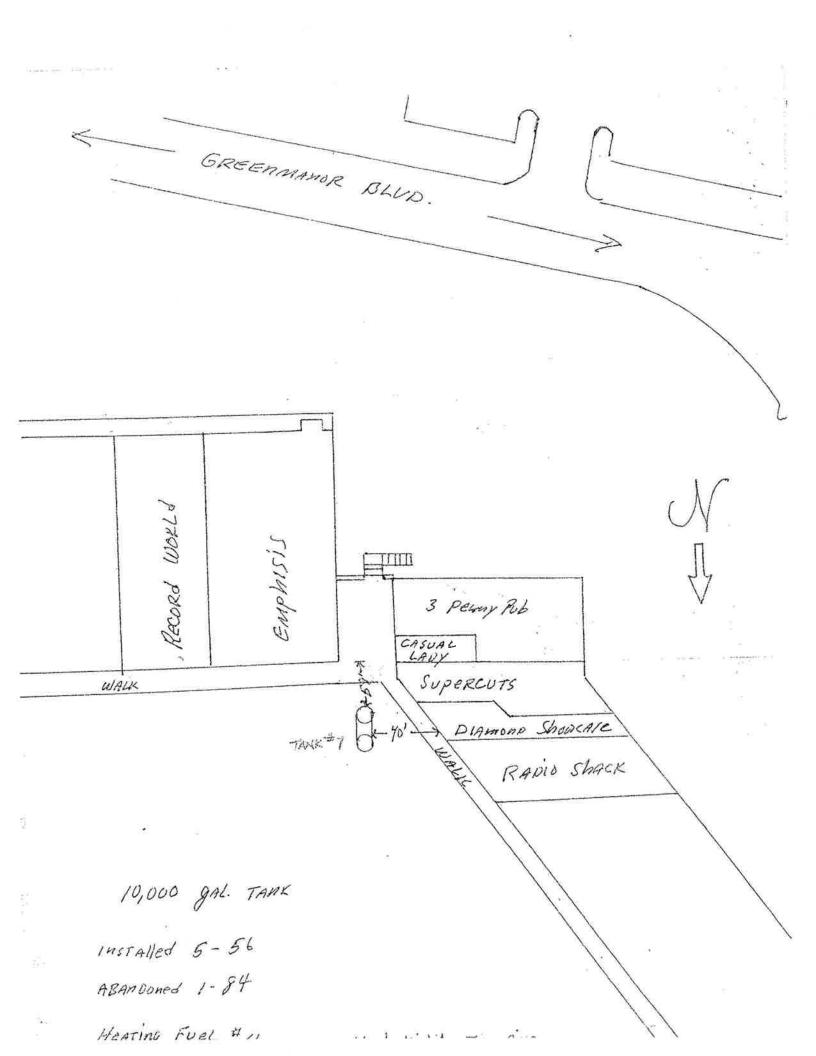
∢. E-1 4 A 14 7 41 H

EXPIRES MONITOR SYSTEM D MM-YY PIPING 05-63 INTRL EXTRL PIPE [--PROTECTION--] G 7 COMMENT: 07 MATERIAL CONSTRUCT 3 CAS# OIL/PETRO MM-YY CONTENTS LAST USED 00-00 YRS CAPACITY USE STORED LEFT D 500 LIFE INSTALL KW-YY 05-63

05-83 WM-YY

. . .

...



Interdepartment Message

STOLDE REV. MYED ET MYE OF CONNECTIOUS

SAVE TIME: Herewiller not seem ere acceptable. Use carbon if you really need a copy. If typewritten, ignore faint lines.

LORDER 1701	Daberdo y resy	The second secon	AND THE PROPERTY OF THE PARTY O	THE STREET SHE WHEN THE STREET SHE STREET	SPANIAL PROPERTY OF THE SECOND	a powiniena nieraniena a na na na
To	INAME TEM	Stark	Senier B	wire amostol Am	DATE	9/2/59
- 4	AGENCY DEP	Haz waste	ADDRESS 132W	Shineten	57.	#+Fd. CT
Frons	NAME DOLG	Zimmennen	TITLE	Inspector	TELEPHONE	6-7774
,	AGENCY (L		ADDRESS	1, ₹		
SUBJECT	Complex	+ 7 545	ALTIN	Machine S	hop	About hes toll

and I responded to complaint # 5450 we noted the tollown,

Ability Machine Co. 315 R Broad ST. - Manchester had previously been inspected by myself on 6/25/84. Noted on my report was the fact there was a drywell toke a templing operation. This is a small sind pit that receives tumbling effluent directly From the tumbling machine located indoors - Biodegradable soup and ceramic tumbling media are used in this process .

Apon we wisit on 9/15/84 This drywell had increased in size (x s'x s') along with effluent discharge. I asked the owner william conneche abut this and he said he has be doing a Job that

The Area had porded up with 21 of 19 with and clay studge (worn comme stones) 50 as a contingent I procured a samples. Semple # 2-575 and 2574 are to be run tok E-P tox for metals and also Total Hydrocarloms.

The draws mentioned in the complaint report are empty and were outself by the on wlostry. Thex receive scap metal chips.

The phone company school public is

~,				
	200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1_	War Ar
1	17-	6.		13
****	· commence	estat above	12.000	manage

Flense send your lifess to: Employee	es Suggestion Awares Program, 162 Co	aphol Ave., Hartford, 06106.
Interdepartment Message stoom Rev. 1673 STATE OF CONTECTION (Stock No. 6958-05/-07)		ten messages are acceptable. need a copy. If typewritten, ignore faint lines.
To Tom Stark	TITLE	DATE 9/10/84
NAME NAME	TITLE	TELEPHONE
AGENCY	ADDRESS	resistant straint segments, post consistent can the constitution of the segment and the constitution of th
SUBJECT COMPlaint # 54	5 (cont)	
	2 1: 0 8 0	
This is not a range is strong is strong is so be built apon por garbage.  The company so Buckland Industral it until be another At 2:30 PM.	clated incident located Atop the building (w lile -ons driven All plans to Park, but du e 3 months or	the old Broad her constructed) had through the move to the e to set backs or so
Aloning Machine  Aloning Machine  Brand St. J.	Combines 38	2 Samples to Uch Hasha Fashy
Economy oil Change	1=009	Land 611 extends on Book ST. to The of the Machine shop

	Inspection Date: 6/25/84
Name: Ak ity Machine + Tool Co. Inc	RCRA Notifier as:
Location: 315 R Broad ST.	2000 - 100 -
Munchester CT. 06040	Generator:
	Transporter:
Phone No: ( ) 643-07/6	TSDF:
ID No: N/A	Part A Application No, Ye
Contact & william 5. Gamache	UIC:
Title: president	Inventory: Pic/
Mailing Address ( if different from	Complaint No:
location):	Other (describe):
Inspector(s): Zimmerman	
Processes:  General machining - mi	
Use water sideable withing the	and s. No perhaleum based
_oils utilited	
Degressing - House	1 Safety-Kleen onit
A Bogal capacity lift top	
Dehurring - brodesing	164/e Soap using Corpanis
	to Dry vell
tumbling stones Discharges	The state of the s
The second secon	100K
	~ 'L∨
Water Sunniv (if well(s) give annrox location)	<u> </u>
Water Supply (if well(s) give approx. location)	; [2:5]

2) Records Maintained: \_\_\_\_\_

/	Storage/TSD
ivia f	coe solvable after oil - confect skies were discouls (Transpol)
(	empiny uses a safety- Kleen unit
	Schurring pefficent (biodeymdable sufficientidischinged to Drywell
1	
	III INVENTORY
A)	Has this site notified EPA under the Comprehensive Environmental Pesponse, Compensation and Liability Act of 1980 PL 96-510 (commonly known as Superfund):No,Yes: (Attach copy of Notification, if available)
B)	Prior to the November 19, 1980 Implementation of RCRA Where; When; What type; Amount/ Frequency; How long; and by Who (Transporters, Facilities, Etc.) were wastes disposed of Off-site:
	Similar methods used for as long 95
	confrict soul company has been in open horn.
<b>C</b> )	Is there any evidence of On-site disposal? No, Yes.
	Give Approximate Location; Type; Amount/Frequency; Length of Time On-site disposal has been used, etc. (Specify any historical On-site disposal):
	only on-site disposal is the dry well located
	Next to the bilding
50	
- 0	IV <u>RECORDS</u>
	11/ aa) <u>Hazardous Waste Determination</u> . 4cc(c)-
(a)	(3)(A)-7,
-3(	3)(3) 1)Performed:

|--|

reet Address Town Compliance w/ Complaint /
Previous H.W. Inspection NONE SAMPLING: P's:
1 To Hundrer (for note 11/A) Other:
TOUTHEY DO UR HAKE? JOB Shop Commercial Machining
time of ET-Permit, Irans U.U.B. Wo Haz, Waste CT-Regulated Only, Non-notifier Operating As:
SH-U (* 100-7,000kg/mo/accum.) SH-U(c 100kg/mo/accum) Hoved to: Exempt because:
es the actual operation agree with the notification? _yesno _N/A. Is a status change needed? _yesno. [f yes, explain:
a YSOE, does the operation agree with the Part A?yesnoM/E. Comments:
PE OF WASTE HANDLED:  Ited H. Wastes CHARACT, INZ. Lipitable Containers: Approx. fon-site Containers: Approx. Lipitable Containers: Approx. Lipitable Containers: Approx. Lipitable Containers: Approx. Lipitable Lipitable Containers: Approx. Lipitable Lipita
BLEMS: List ALE violations, deficiencies, etc. noted and briefly EXPLAIN/CLARIFY. BC SPICIFIC.  If not avaluated, write "N/E" in "in Compliance" column. If not applicable, write "N/A".
Check compliance status at the time of the inspection, in the judgement of the inspector.
THAMITESTS
USING PERMITTED THANSPORTERS COMPANY Plans to More to
USING PERMITTED TRANSPORTERS Company plans to more to  The Buchland Indomal Park in
- USING PERHITTED ISIDS Manchesters within the NexT
HAZARDOUS MASTE DETERMINATIONS 3 months.
TRESPECTION SCHEDULE & LOG
PERSONNEL TRAINING
CUNTINGENCY PLAN
WASTE ANALYSIS' PLAN  CLOSURC PLAN & ESTIMATE (Amount)
POST-CLUSURE PLAN & ESTIMATE (Amount)
FINANCIAL REQUIREMENTS: INSURANCE:
ASSUHANCE:
OPERATING RECORDS .
SECURITY
PREPAREDNESS & PREVENTION.
GROUNDHATER MONITORING
ACTUAL STORAGE, TREATMENT & DISPOSAL (Include storage (90 days for Gen, problems w/tabels, accum dates, leaks, imperm. baseAberm, sluppy storage, handling or ign/incompat/reactives, proper disposal.)
No cotting oils generated as A waste - company does have
a drywell That receives the Deburring effluent (Biodografish) discharges According to contactARE & 50 gallons A day.
altergent), discharges According to contactARR & 50 gallons A day.
Company uses A Safety-Kleen unit for degressing.
LINERAL COMPLIANCE STATUS. DEFICIENCIES ARE: MAJUR ENTERMEDIATE MINOR NONE On the judgmment of inspector)
NERAL COMMENTS: (Under enf.action, compliance deadlines,etc.)
there evidence of on-site disposal or potential for groundwater contamination? In yes possible. GH Class (B) ments: Ability machine 5its Atop the Former Board ST, Landell
PY DISTRIBUTION: File District Analyst ONCR CW Group Referral to:  ### 1/84 STATE OF COMMECTICUL DEPT. OF CHVIRONAL MAL PROTECTION MASSE MANAGEMENT ***small-quantity generator  1.:

#### STATE OF CONNECTICUT

## DEPARTMENT OF HEALTH SERVICES

PHONE 586-5628

LABORATORY DIVISION
P.O. BOX 1689, HARTFORD, CT 66101

10 CLINTON STREET

SAMPLE

+4	111	0	IC	
37	īΥ	u	16	_

### SAMPLES OF SEWAGE OR TRADE WASTE

		waste ( ), sludge	· (U), 01		-	4
Name of trea Owned by	= to		<del>(100-10-100)</del>			
	es or treatment		ar an ann an an an an an an an an an an an			
Collected by	Dat 2.	The Wild Co. of Version of James	C	n 🐬	1=1 <sub>F</sub> 4	
Report to	Ent Bowe L	r + f j),	(794) Shipped on	9/	5/84	•
Laboratory Number	Collector's Number	Sample of	Collected From	Comp Yes or No	oosite Min. Apart	Time of Collection
27510	-3-57.3	t tapolox	Tumbing spending	NO	g/3y—94	P.M.
			-	16		5
		e el			12.1 12.1	1.0
*	•	, v				4
=	To a			9	2	1 L 80 g
	-					
ia i						:*
		W <sub>el</sub>			#2 Ji	
			1		1 2	
		Ď <sub>i</sub>	-		- T	Automorphic State Company

OL-33 Rev. 10-82

133

Director

#### 10 Clinton Street Hartford, Connecticut

	Micrograms per Liter	NAME	Micrograms per L
ACETONE		METHANOL	
BENZENE	7	METHYL ACETATE	
BROMOCHLOROMETHANE		METHYL iso-BUTYL KÆTONE	
BROMOETHANE		methyl cellosolve	
BROMODICHLOROMETHANE	1	METHYL CYCLOHEXANE	
BUTANE		METHYL CYCLOPENTANE	
BUTANOL		METHYLENE CHLORIDE	
iso-HUTANOL		METHYL ETHYL KETONE	2,500
		NONANE	
sec-BUTANOL	\	OCTANE	†
BUTYL ACETATE			<del></del>
iso-BUTYL ACETATE		iso-OCTANE	<del> </del>
CARBON TETRACHLORIDE		PENTANE	<del> </del>
CHLOROBENZENE		PROPANOL	<del> </del>
1-CHLOROBUTANE		iso-PROPANOL	<del> </del>
2-CHLOROBUTANE	<u></u>	PROPYL ACETATE	
CHLOROFORM		iso-PROPYL ACNTATE STYRENE	800
CYCLOHEXANE ( umane	30		600
DIBROMOMETHANE  1, 2-DICHLOROETHANE		1,1,2,2-TETRABROMOETHANE 1,1,1,2-TETRACHLOROETHANE	<del> </del>
1, 2-DICHLOROETHENE	2	1,1,2,2-TETRACHLOROETHANE	<del> </del>
1, 1-DICHLOROETHYLENE		TETRACHLOROFTHYLENE	100
1, 2-DICHLOROPROPANE		TOLUENE	(Tentative) 21
ETHANOL		l,1,1-TRICHLOROETHANE	(Trentative)
ETHYL ACETATE	<u> </u>		5,4
ETHYL BENZENE	100	TRICHLOROETHYLENE	1
		TRICHLOROTRIFLUCROETHANE VINYL AGETATE	HTTED T
FORMALDEHYDE	<u></u>	A : 70% -0	
TATA OF A TOP	<u> </u>	META-XYLENE NOV	151984 100
HEPTANE	1		1
HEYANE HEXANE METHANE	Present and quantitudes	PARA-XYLENE MAZA	(M:x

## STATE OF CO NECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION

Name of company	Town 🕥	romchester	Location on Map 2			
apility Washing						
Mailing Address		Watershed Conn. R.				
	Contact	Contact William T Ganache-Pesident Type of Problem Serious Routine Minor None No. of Emp. 3 1 2 1  Report by Colette Ready Date 12/10/16  1-cutting oil  1-cutting oil  1-cutting oil  1-act a sining with the sining was a stes Industrial Wastes Clean Water  1-cutting oil  1-cut				
	Rec. Stream Watershed Conn. R.  Contact William T Ganache- President Type of Problem Serious Routine Minor None  No. of Emp. 3   3   1  Report by Colette Ready Date 12/10/16  Me Parts (hooks - gages)  Mething sathing and serious Routine Minor None  A "cool hool" - cutting oil  B  C  D "Cool hool" - cutting oil  B  C  D "Cool hool" - cutting oil  B  C  Token to dump  Gasher San. Wastes Industrial Wastes Clean Water  Gas-per-day Row Computed  HY 3x15"  NT - Septic tenk - Size + location unknown  NENT -	Douting Minon No				
Nailing Address Rec. Stream Watershed Conn. R.  315 Browlet Contact William T Ganche-President  Marchester Type of Problem Serious Routine Minor None  Date Established 1972 No. of Emp. 3 \ 2   1  Date of Last Ex. Report by Colette Ready Date 12/10/16  Products machine Parts (hooks quees)  Processes A Cutting  Browchiang  C drilling  D to prog  Origin of Wastes  Wastes Contain A "cool bod" - Cutting oil  Comments Not Covered by Above Data  Small amounts of cutting oil used - nowaske disposed of metal Chips taken to dump water bill not cut laste. Similar industrial Wastes Clean Water  Discharged To Grown & How Computed  Water Usage Gals-per-day How Computed						
	Report	by Colette Ready	Date (2)10/76			
Processes A Culting	χ.	)				
1	i i					
	P. Control of the Con					
Origin of Wastes						
Wastes Contain A Cool	tool" - cu	ting vil	Company of the second s			
В		7	*			
C						
p Coul	tool"-cu	Hingoil				
Community Not Covened by Abov	e Data					
Small amounts of cut	ing oil us	ed - nowestes di	for bisequ			
motor chine - taken to	aums					
water bill not available	Le 2 person	lis for originam	M. Fin Op Some manuscriptor and man			
	The second secon	Industrial Wastes	Clean Water			
<u> </u>	Bruo					
		How C	omputed			
	1	3 × 15				
	<u> </u>					
	45					
Total Used						
	ric tank.	- size a location	unknown			
INDUSTRIAL TREATMENT -						
File Data Available:						
NOTES:	707711227114					

Ability Machine & Jool Co, Inc. 315 Broad St. Marchester, CT06040 643-0716

1) CSID: (printed 2/19)
a) gages, ctools, jigs, dies
b) emp: 7
c) 51c: 3545

2) 208F. not listed

3) P-5 in attached

4) not a RCRA notifier

BUANT KER RESE

## DEPARTMENT OF HEALTH SERVICES LABORATORY DIVISION

P.O. BOX 1689, HARTFORD, CT 05101

SO CLANTON STREET SU

SAMPLE INVOICE

## SAMPLES OF SEWAGE OR TRADE WASTE

	Yellow		y person collecting		£	
From 17-6	Hity Muc	hine into	wn of :/1/a	inche	STOR	
Sample of se	wage ( ), trade	waste ( ), sludge	(L), OF		7 2.	
Name of trea	tment plant	· · · · · · · · · · · · · · · · · · ·	, r'sh y	· ·	+1 .	- 12
Owned by	(# <sup>(*)</sup> )				2	9
Plant process	ses or treatment	50 pt 10 pt	F	15	.0	v.** * 17
	Abolity Machine Intown of Manchester  Die of sewage ( ), trade wester ( ), sludge (Unor  e of treatment plant  ed by  processes or treatment  Posted by Daviflas Finime man  on 15/84  Into Pat Bank Rm 13  Shipped on 9/3/84  Diatory Collector's Sample of From No Apart  Time of Collection  7509 2504  Sludge Dit in Gaml NO - RM.  Hazing Island Standard Collection  Manages Man					
Collected by	Doings	Zmmema	.0	On T	15/81	(
Report to	at Bowe	Km 13			25-1-1	
Laboratory Number		Sample of	1	Yes or	Min."	
27509	2574	Tumbling Sludge		20		P.M.
			*			
	5.			-	v , a	W 11 5
	%					
	**************************************	7 × 1				v * 24
		. 2			- 20 s	7
		<u>.</u> 9				(LEIVA)
	3.5 SV				44.2	7 4 3
		- ,	*		MANAG	1/25 1/21 Co.
ī						1967 S
No. and Kind	of Bottles	Brun	H-C	4 1	6	\$
OL-33 Rev. 10-E	141		Cal	S /	BB	Director
	)/F-F		ity For	. Nie	tals	

	ă.	2	to the state of th		
					-
Reported as mg/l leachate	27509	i i			
Color		l			
)dor					
oH s		1			
[otal Solids	T				
Fixed	ĺ				
Volatile				<del></del>	
Cotal dissolved solids		T		7 6	1075)
Total suspended solids	1	1			i
Alkalinity as CaCo	1				1
Chlorides as Cl					
Cyaniĝe as CN	1				1
Amenable CN	<del> </del>	<del> </del>			<del> </del>
Detergent as ABS	<del> </del>	i			
Fluoride as F	<u> </u>	<del> </del>			
Grease		<del> </del>			<del> </del>
Aluminum as Al		ļ			
Arsenic as As	0.00				<u> </u>
Cadmium as Cd	4				<b>!</b>
Chromium as Cr	0.00				<del> </del>
Chromium + 6	0.00				
	100				-
Copper as Cu	100.	199			ļ
Iron as Fe	1.4				ļ.,
Lead as Pb	7.2	5 / 5			
Man <b>gan</b> ese as Mn	<u> </u>				1
Mercury as Hg	0.00				
Nickel as Ni	1.2				
Silver as Ag	0.01	-5.0			
Tin as Sn	0.0				
Zinc as Zn	6.6				
Ammonia as .N					
TKN					
Organic .N					
Nitrite .N				10 3-400	
Nitrate .N					
C.O.D.					
B.O.D.					
D.O.					
Phenol					Low-
Phosphate as P				12	
Ortho phosphate			4	A STATE OF THE STA	
Sulfate as So,					
Sodium as Na				Time of	J~
Barium as Ba	0.10	188/80	1.50	101	40 m
Selenium as Se	0.00	1.3	100	W/	Seption .
3C   E1111111 AS AL	1		40A	1000	
	1	1		SEINE P	7
				174.15	
				*****	1

Jesse S. Tucker, Ph.D Director

<10

### STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE MANAGEMENT SECTION 165 CAPITOL AVENUE, HARTFORD, CONNECTICUT 06106

DATE 8 1 3/ 1 84
Alleged Source Ability Machine Shop
Source Address Broad 5+. Manches ter (Street) (Town)
Complainant Anonymous
Address Town Zip Code
(Rome) (Office)
Complainant stated Ability Machine has a small dug-out
pit along south side of shop, into which one or more pipes
the stated white powders are in the pit and on ground all
around the shop (outdoors); also many unmarked drums
scattered around (empty or full?)
The company is located behind Economy Oil Change,
isolated and not well visible from Broad St.  New spacers report solvent problem near phone company in
Manchester, and complainant says a stram located a 300
from Ability Machine flows past the phone co. ( 34 mile away).
Received by: Atambar
Assigned / / To Investigation conducte
ACTION TAKEN: None Inmed. Corr. NV f

Connecticut Department of Environmental Protection
1991 Biennial Small Quantity Generator Hazardous Waste Report

This report is for waste handled from the period January 1, 1991 through and including December 31, 1991.

Please read all instructions before making any entries on the form.

10 40 833

1. Site Address Lubel CORRECTIONS TO SITE ADDRESS LABEL If no label, enter (Note changes below)	Mailing Address Label     (Note changes below)
Name & COACH SORRS THE ORIGINS OF SORRS Stree ALREAGESTER, CT 06040	Na STEVENSOUR SQU/R  STEVEN-4 ROSS  N T COACE WORKS STORE BRIALD ST
CITY State Zip	DBMCRASTRK, C. 1997 And Cip/Town State Zip
3. What is your EPA Identification number? CTD 19 1811/1818151618141	10. Dkd you recycle any of your own waste on-alte during 1991? 🗆 Yes 🖾 No
4 Does this company go by any other names? [] No [] Yes: [Provide Name]	11. Check ONE status below which applied to your operation in 1991:  a. 🗆 / Large Generator (> 1000 kg/mo or accumulated > 1000 kg on-site) b. rd Small Quantity Generator (100-1000 kg/mo)
5. Is the company listed on the site address label above still operating at this site? {Check ONLY ONE)	
a. 图 Yes. b. □ Yes, but the name has changed - see corrections in frem 1 above. c. □ No, moved on	12. Indicate whether this status checked in liem 11 is expected to apply:  a. ☑ Permanently b. □ During 1991 only c. □ Other (explain in
d. □ No, out of business since / (mo/yr).  e. □ No, sold business/ownership changed on / (mo/yr) to: (provide complete name	ect your status to be the same in 1992?
4. [1] No, sold business/ownership changed on / and a different operation is now	© Yes ☐ No (explain in item 14 comments)
g. S, none of the above, but see Item 14 comments for explanation.	15. Who should be contacted if the Department has questions regarding this report?
6. Was hazardous waste EVER generated at this site during the time period 11/19/60 - 12/31/91?	Care then first name Phone No. Include area code
7. Was hazardous waste generated at this site during 1991? STYes CT No	16. Read, sign, and date after completing all sections; CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in page one
8. Doyyou anticipate generating any hazardous waste in the future?	inrough  Bind that based but if y inquiry of bridge individuals initiationary responsed to the information, I believe that the submitted information is true, accurate and complete. I am aware that there are substantial penalties for submitting false information, including the possibility of fine and invidendment.
9. Did∮ou ship any hazardous waste off-site during 1991? ☑ Yes. ☐ No	Mar 7 (0.0) (2.0) (1.0)
	Signature Date signed

-11 miles



## 1989 SQG Hazardous Waste Annual Report

This report is for waste handled from Jan. 1, 1989 - Dec 31, 1989. Please read all instructions carefully before making any entries on the form.



(Note changes below

MAR 02 1990

1, SITE ADDRESS LABEL

If no label, enter:

HAZARDOUS MATERIALS MANAGEMENT UNIT

医异环氏管 医多种性征

THE BEST OF

3. What is your EPA ID number?

Yes:(list) No 4. Does this company go by any other names?

site address label above still operating at this site? (Check only one of the following): 5. Is the company listed on the

เนื่

Yes, but the name has changed - see corrections above. ۵,

Dew No, moved on / (mo/yr) to: (provide complete address and site's EPA ID number in comments). ů

(mo/yr). No, out of business since ф

(mo/yr) to: (provide No, sold business/ownership changed on  $\frac{(mo/y)}{(moly)}$  complete name and address in comments), and it closed. á

No, sold business/ownership changed on / (mo/yr) and a different operation is now on-site (provide name, address and type of operation in comments).

No, none of the above, but see comments for explanation.

6. Was hazardous waste EVER generated at this site during the time period 11/19/80 (effective date for haz. waste regulations)  $\neq$  12/31/89? Yes

옷 Yes 7. was hazardous waste generated at this site during  $\overline{19897}$  Was hazardous waste accumulated in containers (e.g. drums)?

NO NO Yes-underground was hazardous waste accumulated in tanks? 'Yes-aboveground Yes-inground

Yes Do you anticipate generating any hazardous waste in the future? . ش

No.

1

1/ Yes 9. Did you ship any hazardous waste off-site during 1989?

CORRECTIONS TO MAILING LABEL (Note changes below)

> MAILING ADDRESS LABEL ć

no label, enter mailing address:

Did you recycle any of your own waste on-site during 1989? 10. Check ONE status below which applied to your operation in 1989:

a. Large Generator(>1000 kg/mo or accumulated >1000 kg on-site) b. Small Quantity Generator (100-1000 kg/mo) 💅 Permanently During 1989 only c. Conditionally Exempt SQG (<100 kg/mo) Other explain in #13 d. Non-handler (no hazardous waste generated)

No: (explain in #13) Do you expect your status to be the same in 19907 Y Yes 12.

Comments on status: 13.

Document of the state of the st

14. Who should be contacted if we have questions regarding this report? (223) 646 - 4263 Phone No. T Yourshade First name, then last name W: (1: 9W

law that I have personally examined and aw familiar with the information submitted in this and all attached documents, and that based on my inquiry I believe that the submitted information is true, Sign and date the following CERTIFICATION: I certify under penalty of that there are substantial penalties for submitting false information, including the possibility am aware accurate and complete. of fine andimprisonment. 5.

Continued on next page....

JO Page

GENERATOR'S EDA ID HUMBER: G T D & SI & 25624 16.

Winste Resemples (Where waste listed on this page was shipped) Enothernmental FACILITY NAME:

17.

Please refer to the instructions before making any entries on this form in Zardous waste manifested off-site/Recycled on-site During 1989

1989 SQG Hazardous Waste Annual Report

18.

130 Freicht ST. Makerbury CT. Street Street FACILITY'S SITE ADDRESS:

19.

WASTE IDENTIFICATION (See instructions for clarification on each column) CI Ty/Town

Burned for disposal Burned for disposal Burned for energy Burned for disposal Burned for disposal Burned for disposal r Ulcimate Disposition Burned for energy Burned for energy Burned for energy Burned for energy Other (comment) Other (comment) Other(comment) Other (comment) Other (comment) Treatment Treatment Treatment Treatment Treatment Recycled Landfill Recycled Recycled Recycled Land [1]] Landfill Recycled Landfill Landf111 Unknown Unknown Unknown Unknown Unknown |×| H. YEAR(s) GENERATED 1987-1980 1987-1980 1987-1980 1987-1980 PRE 1980 1987-1980 PRE 1980 PRE 1980 PRE 1980 PRE 1980 1989 1988 1989 1988 1988 1989 1988 1989 1989 × Low-level Radioaccive Mixed Waste Yes Yes Yes Yes Yes ç (very liquid)
Sludge
Pumpable Slurry
solid
(not fluid) pumpable slurry
solid
(not fluid) F. Physical (very liquid)
Sludge
Pumpable Slurry Sludge pumpable slurry Sludge pumpable slurry x Liquid (very liquid) (very liquid) (very liquid) solid (not fluid) (not fluid) Liquid (not fluid) Sludge Propil Liguid solid D.Unit of E. EPA Waste Measure Number 2003 800 100/ D001 C ならん。例の 100 C.Amount Primary generation Treatment residue Trunsfer Primary generation Treatment residue Transfer One-time event Primary generation Treatment residue Primary generation Trearment residue Transfer Primary generation Treatment residue Other (comment) B.Origin of Waste Other (comment) One-time event Other (comment) Other (comment) One-time event Other (comment) One-time event One-time event Transfer Transfer × tool prodtn; mixture of mineral spirits & Matteria Kolukor Ignitable spent A, Describe Waste & Process solvent used in TA: 17 kerosene EXAMPLE 100 512

Is the amount and type of waste reported on this form representative of what you normally generate over a 12 month period ? Yes No. COMMENTS: (include Section and Line Number. Explain one-time events

here).

# 1988 SQG Hazardous Waste Annual Report

	CORRECTIONS TO HAILING LABEL. (Note changes below)	я		CT. 06040		te during 1988? Yes _c No.	Jaces 21000 kg on-site)	/mo) / Permanently During 1988 Only	ated) $\int$ Other (explain in #13.	same in 1989?  Ves No-(explain in =13.)	i y	ons regarding this report?	(20) 6 46- 4253 Phone No.	: I certify under penalty of law miliar with the information or and rhat hased on my inquiry	for obtaining the informe, accurate and comp	fine and tapetarement.	2	e signed	
n. 1, 1988 - Dec. 31, 1988. making any entries on the form.	EL 2. MAILING ADDRESS LABEL	, enter mailin	CTD981885684° RT: COACHWORKS	244 BROAD STOMANCHESTER. ROSS. STEVEN: A	3.	<ol> <li>Did you recycle any of your own waste on-site during 1988?</li> <li>Check ONE status below which applied to your operation in 1988</li> </ol>	a. Large Generator (>1000 kg/mo or accumulates >1000 kg on-site)	b. Small Quantity Generator (100-1000 kg/mo) c. Conditionally Exempt SQG (<100 kg/mo)	d. Non-handler (no hazardous waste generated)	12. Do you expect your status to be the same $\bigvee_{\mathbf{X}} \mathbf{Y}$	13. Comments on status:	<ol> <li>Who should be contacted if we have questions regarding this report?</li> </ol>	Steven A, Poess First name, then last name	5. Sign and date the following CERTIFICATION: I certify under penalty that I have personally examined and am familiar with the information enhantered in this and all errached documents and that based on my in	in this and all ndividuals immed that the submitt hat there are su	information, Including the possibility of fine and tamper.  The Users A. R. R. B.	A Dras	Signature 11. Whate	
This report is for waste handled from Jan. 1, 1988 - Please read all instructions carefully before making any	CORRECTIONS TO SITE ADDRESS LABEL (Note changes below)		CT: 06040	CIP CTD 9, 8 1 & 8 5 6 8 4	her names? V No Yes:	el above still operating as		Tes, but the name has changed - see collections dove.  No, moved on/ (mo/yr) to: (provide complete address and new site's EPA ID number in comments).	e/_ (mo/yr).	<pre>and it closed.</pre>	/ (mo/yr) and a different address and type of operation	none of the above, but see comments for explanation.	generated at this site during the time period for haz, waste regulations) - 12/31/887	site during 19887Yes	accumulated in containers (e.g., drums)? $\sum$ Yes No.	umulated in tanks? Yes-inground Yes-underground No	you anticipate generating any hazardous waste in the future?  7 Yes No		to Yes No
	SITE ADDRESS LABEL	E no label, enter:	D981885684 COACHWORKS 4 :BROAD ST.	SS STEVEN A Scate at is your EPA ID number?	es this company go by any other names?	s the company listed on the site address lab his site? (Check only one of the following).	Yes.	No, moved on / (mo/yr) to: site's EPA ID number in comments)	. No, out of business since	No, sold business/ownership changed on complete name and address in comments).	No, sold business/ownership changed on operation is now on-site (provide name, in comments).	No, none of the above, b	us hazardous waste EVER gene 1/19/80 (effective date for	is hazardous waste generated at this	Was hazardous waste accum	Was hazardous waste accumulated in tanks? Yes-aboveground Yes-inground	) you anticipate generating	$^{\dagger}$ you ship any hazardous waste off-site during 19887	

1988 SQG Hazardous Waste Annual Report

Please refer to the instructions before making any entries

HAZARDOUS WASTE MANIFESTED OFF-SITE/RECYCLED ON-SITE DURING 19

rhis

اهره CTD 9.4 188 16 CENERATOR'S EPA ID NUMBER:

trystomanda

FACILITY NAME:

18

(where waste listed on this page was shipped)

1-0.1 FACILITY'S EPA ID NUMBER: FACILITY'S SITE ADDRESS:

13 @ Street

Radiosctive Mixed Waste Cov-level D. Unit of E. EFA Waste F. Physical 20. WASTE IDENTIFICATION (See instructions for clarification on each column) A. Describe Waste & Process

dist Burned for disp Burned for disp Burned for enci Burned for disg Burned for enel dis Burned for ener Burned for enel I. Ultimate Dispo Burned for ene Other (comment) Other(comment) Other (comment) Ocher(comment) Other(comment) Burned for Burned for Treatment Treatment Treatment Treatment Treatment Recycled X Recycled Landfill Recycled Recycled Landfill Recycled Landfill Unknown Unknown Unknown Unknown H. YEAR(s) GENERATED 1986-1980 1986-1980 1986-1980 1986-1980 1986-1980 PRE-1980 PRE-1980 PRE-1980 PRE-1980 PRE-1980 1968 1987 1988 1987 X 1988 1987 1988 1987 1988 1987 Yes Yes Yes Yes 1 12 Sludge (pumpable slurry) Sludge pumpable slurry) (pumpable slurry) Sludge (pumpable slurry) Sludge pumpable slurry) (very liquid) (very liquid) Liquid (very liquid) X Liquid (very liquid) very liquid) Solid (not fluid) Liquid Solid (not fluid) Solld (not fluid) Solid (not fluid) Solid not fluid) Sludge Liquid 1000 F003 FOUS Number D001 9 Amount & Measure 100 \*Primary generation Primary generation Primary generation Primary generation Primary generation Treatment residue Treatment residue Treatment residue Treatment residue Trestment residue Other (comment) Other (comment) Other (comment) Other (comment) B.Origin of Waste One-time event One-time event Other (comment) One-time event One-time event One-time event Transfer Transfer Transfer Transfer Transfer in tool prodctn; spirits Ignitable spent 15 Jates mineral used kerosene. EXAMPLE: solvent 7 JAMAX

the amount and type of waste reported on this form representative of what you normally generate over a 12 COMMENTS: (Include Section and Line Number, Explain one-time events here)

Lone

CTPOSOSOS EN 10 No. Show in Il PAGE 2 052. 1 competedy Aren. 040 QUE Under onder 100 gallon wow 2. 18, 1996. edgete was shape 125 138h

Yes.

month period?

Note: Information must be typewritten

### COMPLIANCE STATEMENT

Mr. Auto Wash of Mandrester, Inc Facility name: 344 Broad Street Address: Manchester, CT 06040

FFR 7 19:4R

· WATER MGMT. SUREAL PERMITTING, ENFORCEMENT II REMEDIATION DIVISION

In accordance with the directions in the above-referenced Notice, I certify that the noted violations have been corrected in the following manner:

1. violation number 1:

Submitted Application for Permit 2/6/96.

[The following documentation is attached to demonstrate that violation number 1 has been corrected: ]

violation number 2:

[The following documentation is attached to demonstrate that violation number 2 has been corrected:]

### (Attach additional sheets as needed for additional violations) Certification of Accuracy

I certify that the information in this Compliance Statement and its attachments is true, accurate and complete, and I understand that any false statement may be punishable as a criminal offense under Conn. Gen. Stat. §§22a-6 and 53a-157.

203 645-6767 telephone

(type, name and title)

Signature

date

(type name and title)

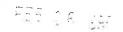
telephone

Signature



### DEPARTMENT OF ENVIRONMENTAL PROTECTION Central Permit Processing Unit

79 Elm Street Hartford, CT 06106-5127 DEPARTMENT OF ENVIRONMENTAL PROTECTION CENTRAL FEES PROCESSING UNIT



Permit Application Transmittal Form RECEIVED BY MY

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

San Eliza	111.25		75.5	4
	DEP USE	ONLY	100	43
Docume	nt No.	i se estis	N. W. 125	4.5
Rec'd C	mark to the second		107. emise	
<b>一大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大</b>		10 mm	北极版	
Rec'd P	rogram		24/3/43	7
The state of	of A			

art	I: Applicant Information
	plicant: MR, AUTO WASH OF MANCHESTER, INC.  Company Name or, if applicant is an individual, write name in the following format:  Title (Mr, Ms, Dr) First Name Middle Initial . Last Name Suffix (Jr, PE, PhD)
	City/Town: MANCHESTER State: CT. Zip Code: 06040  Phone: (860 1 645-6767 ext. Fax: 860 ) 6456422  Contact Person: FRED BAUER Phone: (860 ) 645-6767 ext. Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.
A	pplicant Is a(n) (check one): [ individual 젖 company [ federal [ state [ multicipal a Company, list company type (e.g., corporation, limited partnership, etc.) <u>CORPORATION</u>
A	pplicant Billing Address: 344 BROAD ST.  City/Town: MANCHESTER State: CT. Zip Code: 06.040 -  Billing Contact Name: FRED Phone: 1860   545-6767 ext.

Part II: Project Information			-
Part II. Troject III.	EXPLANATION	AMOUNT	51-7019/2119
MR. AUTO WASH OF MANCHESTER,  344 BROAD STREET  MANCHESTER, CT 06040			1739
(203) 645-6767	-suren 50/100-	DOLLA	- AMOUNT
OF TO THE ORDER OF	CENTER OF ENGLISHED GROSS PAYABLE	GROSS DIRECT DISCOUNT CHECK NUMBER NUMBER	
MECH 101 STATE OF OT	Sheringh John Jan	My J	
MECHANICS SAVINGS BANK MANCHESTER, CONNECTICUT 0604(	V/162	1/2 /3/	

#OO 1739# 1:21147014ff 963 001 516#

AGENCY USE ONLY	
Application No.	
Facility ID No.	
F March	1t ~
Permit ID No. GVW	

COMPLETE APPLICATION AND SUBMIT WITH: A. CERTIFICATION FORM VW1

B. GRIT SEPARATOR SPECIFICATION SHEET

C. MUNICIPAL APPROVAL FORM

D. APPLICATION FEE PAYMENT OF \$437.50

TO: CT DEP/WATER - PERD 79 ELM STREET HARTFORD, CT 06106-5127 ATTN: PERMIT COORDINATOR

Dep /WPE 677-175

### GENERAL PERMIT APPLICATION FOR CAR WASH WASTEWATER

(TYPE OR PRINT CLEARLY)

	A STATE OF THE STA
1. PURPOSE OF FORM:	K of
APPLICATION FOR GENERAL PERMIT [ ADDITION	VÁL FACÍLÍTÝ [ ]
2. APPLICANT:	* a
NAME My Auto Wash of Manchester Inc TELEPHONE	203-645-6767
MAILING ADDRESS 344 BYORD St.	
rown Manchester	STATE C.T ZIP D6640
OCATION ADDRESS 344 Bread St.	
FOWN Manchester	STATE C.T. ZIP DECYA
3. FACILITY INFORMATION:	
NAME Mr. Auto Wash of Manulish In TELEPHONE	203-645-6767
MAILING ADDRESS 344 Broad St	
TOWN Mandaske	STATE ZIP
LOCATION ADDRESS 344 Breget St.	
TOWN Mauchesk	STATE C.T. ZIP 16040
4. FACILITY OWNER INFORMATION:	*
NAME LEO BENNIEL TELEPHONE	203-56/-2310
MAILING ADDRESS 17 Voland & Orive	
TOWN West Hartford	STATE C.T. ZIP (16/2)
LOCATION ADDRESS 344 Brand St	
TOWN Mandester,	STATE C.T. ZIP Oblife

### Submit After Installation of Treatment Facilities

Facility Name & Address:	Mr. Auto Way	sh of Manchestar, Inc.
-	344 Broad St	
ā.	Manchestar, 1:	T. 06040
Application No:	(See Approval/P	ermit)
I HEREBY CERTIFY, UNDER PENALTY OF AS REQUIRED UNDER SECTION 22A-43 AGENCIES, HAVE BEEN INSTALLED IN A KNOWLEDGE AFTER REASONABLE INVE	30-4(S)(3) OF THE REGULA: ACCORDANCE WITH THE A	TIONS OF CONNECTICUT STATE
I AM AWARE THAT THERE ARE SIGNIFIC FACILITIES AND FOR SUBMITTING FALS IMPRISONMENT FOR KNOWING VIOLAT	E INFORMATION, INCLUDI	
Trul Bauer.	7.	2/6/96
Signature of Applicant		Date /
Mr. Fred Bauer Type Name of Applicant		
	*	×
Signature of Professional Engineer		Date
Type Name of Professional Engineer	-	
-	- Table Control of th	Professional Engineer's Stamp
AGENCY USE ONLY		renewal of
	× × ×	renewal of sparo 505
		A.M. 2/3/96
Return to: ATTN: PERMIT COORDINAT CT DEP/Water Management I PERD		

DISCHARGE OF CAR WASH WASTEWATER FROM THE ABOVE SITE IS AUTHORIZED UPON RECEIPT OF THIS CERTIFICATION FORM BEARING THE DEP AUTHORIZATION STAMP.

79 Elm Street

Harmford, CT 06106-5127



### DEPARTMENT OF ENVIRONMENTAL PROTECTION



### NOTICE OF VIOLATION

1-22-96

TO: Mr. Auto Wash

The purpose of this notice is to inform you of violations which have been found at your facility/property. Be aware that DEP may take action in the future to collect penalties for the violations listed below, and that if these violations are not corrected, penalties will continue to accrue. (See paragraph B.3 below.) In addition, this list is not necessarily all-inclusive. It is your responsibility to comply with all legal requirements whether or not the Department notifies you of a violation.

- A. The Division of Permitting, Enforcement & Remediation, Bureau of Water Management, Department of Environmental Protection ("Department"), has found the following violations at your facility/property at 344 Broad Street, Manchester, CT:
  - 1. On July 7, 1995, an inspection of your facility was conducted by the Department of Environmental Protection, Bureau of Water Management. Based upon that inspection, the Department found violations which include, but may not be limited to:
  - a. Discharged wastewater associated with car wash operations without a permit in violation of sections 22a-430 and 22a-430b of the Connecticut General Statutes. Permit no. SP0000505 expired on September 6, 1988 and no renewal application has been received.

### Deadline for verifying to the Department that violation has been corrected.

You should immediately correct violation A.1.a., and within 30 days from the date of issuance of this notice submit a Compliance Statement on a form prescribed by the Department (copy enclosed) describing how the above violation has been corrected, and enclosing supporting documentation therefor. Until the Department has received such a statement, the Department will presume you continue to remain in violation. If received, the Department may consider this Compliance Statement when deciding whether to take an enforcement action concerning this violation.

B.1. Compliance Statement. The Compliance Statement shall be signed by a responsible corporate officer or a duly authorized representative of such person, as those terms are defined in section 22a-430-3(b)(2) of the Regulations of Connecticut State Agencies and by the individual responsible for actually preparing such statement, each of whom shall read and sign the

(Printed on Recycled Paper)

79 Elm Street \* Hartford, CT 06106 - 5127

\* An Equal Opportunity Employer

certification regarding false statements on the Compliance Statement. The Compliance Statement, and any questions, shall be directed to:

Colette Ready, Supervising Field Inspector Department of Environmental Protection Water Management Bureau Permitting, Enforcement & Remediation Div. 79 Elm Street Hartford, Connecticut 06106-5127 (203) 424-3018

A copy of the Compliance Statement and supporting documentation shall be directed to:

Mr. Michael Fedak
Environmental Engineer
U.S. Environmental Protection Agency - Region 1
Water Management Division (WCC)
JFK Federal Building
Boston, Massachusetts 02203

Within fifteen days of the date you become aware of a change in any information in the Compliance Statement, or that any information was inaccurate or misleading or that any relevant information was omitted, submit the correct or omitted information to the person identified above.

- 2. Other violations may exist; Legal obligations. This Notice does not necessarily specify all violations which may exist at your facility in this or other areas regulated by the Department. It is your responsibility to comply with all legal requirements regardless of whether the Department notifies you of any violation or takes any enforcement action against you. Nothing in this Notice relieves you of other obligations under applicable federal, state and local law. Your facility may be inspected again pursuant to law and without additional prior notice to determine compliance with state and federal law.
- Penalties: Further enforcement action Civil penalties of up to \$25,000 may be sought for each of the above violations under Section 22a-438 of the Connecticut General Statutes, and such penalties apply for each day that the violations have existed and each day that they continue. Regardless of the issuance of this Notice, the Department may seek such penalties for any violation and may also issue an order, seek an injunction or take other legal action under Chapters 439 and 446k of the Connecticut General Statutes.

4. No assurance by Commissioner. No provision of this Notice and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the corrective actions taken will result in compliance.

ISSUED THIS

22nd

DAY OF January

1996

Michael J. Harder

Director

Water Management Bureau

Permitting, Enforcement & Remediation Div.

DEP/WPC NO. 077-139 PERMIT NO. SP0000505

3.3

но

COMPLAINT NUMBER: 295-179

### STATE OF CONNECTICUT

### DEPARTMENT OF ENVIRONMENTAL PROTECTION

### COMPLAINT FORM

BUREAU OF WATER MANAGEMENT

bolder of
TOWN: MANChester DATE: 6-29-95
complainant: See alloched
TELEPHONE NUMBER:
LOCATION OF SITE: M. aut Wesh
Broad St
STATEMENT OF COMPLAINT
company had permit-permit expired no respons Samitted (per permit
Company nos districtions
no renge somittel (per permit
table)
San attaca a little - from anonym de
Silv accounted a south
complainent
1/ 2/1/ D 1 C f
# 344 Broad St.
EQ Finger 6-29-95
ONT PECALVED BY COMPLAINT REFEARED TO DATE

INVESTIGATION REPORT:	
CONTACT NAME: Lee Couto-Manager PHONE: 645-6	,767
DESCRIPTION: (Include Diagram if Necessary)	
) Mr auto Work is a full-service fully acts	natic_
can work using Tente Wax can wash produ	icti
Eller discharge is to the manchester municipa	Server
~) <del>()                                      </del>	
often preheatment by an ord-wales Depelation	MCLINA
3/12 011-wet seperator har been serviced by	1-000
Services of north Hoven.	1
4) The facility had a discharge paint that &	expured
9-06-88 no application has been received by	DEP
In renewal	
50 Mr Couto was given a copy of the complaint sto	tement; he
was intermed that a parnit was necessary to eff	llund
dialar	
aucay,	
Connection	Di
RECEIVING STREAM: WATERSEED: WATERSEED:	/cares
ACTION TO BE TAKEN AND/OR NEEDED TO ALLEVIATE CONDITIONS:	A 1
NOV-DWOP Permit expered no memoral o	Epplication
made. Permit # SP0000505 (077-139) exp. 9-	66-88
E/L.a.	
INVESTIGATED BY: Ed Finger	
DATE(S): 7-07-95	

ř

### **Emergency Response and Spill Prevention Division Emergency Incident Report**

Case No.: 2003-06527

Staff Receiving Call: 205 COX, MICHAEL

Assigned To: 000 NO RESPONSE

Date Reported: 09/05/2003

Time Reported: 18:38

Time of Release: UNKNOWN

Date of Release: 09/05/2003

State of Release: CT

Town of Release: MANCHESTER

Location of Reported Release: 340 BROAD STREET Reported By: SGT BEELER

Phone: (860) 841-5333

Representing: PD

Responsible Party:

Phone:

Street Address:

Town:

State:

Zip Code:

Does the Responsible Party Accept Financial Responsibility?

Release Type: BUILDING MATERIALS

Release Substance: BUILDING MATERIALS

Media: SURFACE WATER

**Total Quantity:** 

0 Gallons

0 Cubic Yards

0 Cubic Feet

0 Drums

0 Pounds

**Emergency Measures:** 

detained subject dumping sheet rock and building materials into brook behind the Manchester

Parcade area TOWN REQUIRED TO REMOVE MATERIALS BY P.D.

Has the Release Been Terminated?: YES Type of Waterbody Affected: STREAM/BROOK Name of Waterbody Affected: BIGELOW BROOK

Total Quantity Recovered: 0

Total Quantity in Water: 0

Corrective Actions Taken: SUBJECT DETAINED

Discharge Class: **PRIVATE** Cause of Incident: DUMPING Agencies Notified: DEP DISPATCH

LOCAL POLICE

Status: CLOSED

### **Emergency Response and Spill Prevention Division Emergency Incident Report**

Case No.: 2008-06574

Staff Receiving Call: 205 COX, MICHAEL

Assigned To: 938 SCALORA, RICH

Date Reported: 10/16/2008

Time Reported: 11:38

Date of Release: 10/16/2008

Time of Release: UNKNOWN

Town of Release: MANCHESTER

State of Release: CT

Location of Reported Release: 340 BROAD STREET, MANCHESTER PARKADE

Reported By: KEN HINES

Phone: (860) 250-1926

Representing: CL&P

Responsible Party: SAA

Phone:

Street Address:

Town:

State:

Zip Code:

Does the Responsible Party Accept Financial Responsibility?

Release Type: DIELECT

Release Substance: TRANSFORMER OIL

~30 Gallons

Media: PAVEMENT

**Total Quantity:** 

**GROUND SURFACE** 

0 Cubic Yards

0 Cubic Feet

0 Drums 0 Pounds

Emergency Measures: **ESI RETAINED** Has the Release Been Terminated?: YES

Type of Waterbody Affected: NONE Name of Waterbody Affected: N/A

Total Quantity Recovered: 0

Total Quantity in Water: 0

Corrective Actions Taken: REMOVING SOIL AND ESI TO EXCAVATE

CONTRACTED

Discharge Class: UTILITY

Cause of Incident: TRANS/CAPAC. Agencies Notified: DEP DISPATCH

Status: CLOSED



Connecticut Department Of Environmental Protection
Bureau of Materials Management & Compliance Assurance
Emergency Response and Spill Prevention Division – Emergency Response Unit
79 Elm Street

Hartford, CT 06106

1/15/2007

### EMERGENCY INCIDENT FIELD REPORT

INCIDENT INFORMATION												
Case #: 08-06574		Da	ate Reported:	10/1	6/08	Time Repo	orted:	1138 Hrs	A	ssigned By:	SERC 937	
Reported by:	rted by: CL&P Dispatch Representing: CL&P				Phone #(s	860-280-23	21					
Assigned to:	938	A	ditional ERO	O's On-s	cene:							
				1	Loca	tion of Rep	orted I	Release:				
Address:		340 Br	oad St				Т	own, ST Zip	Manche	ster Ct, 06040		
Property Owner:												
Name 1:		Manch	ester Parka	le								
Address:		340 Br	oad St				Tow	n, ST Zip	Manches	ter Ct, 06040		
Phone #(s):		-100					Con	tact Name:				
Did the release affect more than one property? If yes, complete next section:												
Name 2:		N/A				(a)						
Address;							Tow	n, ST Zip				
Phone #(s):							Contact Name:			*		
Name 3:		N/A										
Address:								n, ST Zip	Zip			
Phone #(s):			90				Contact Name:					
					Resp	onsible Part	y Info	rmation				
Is the Respons	sible Par	ty Knov	vn?		Yes	If"	No", e	xplain in Nar	rative section	on of this repor		
RP:	lux.	Conne	cticut Light	And Po	wer Co	o.			The Law			
Address:		107 Se	107 Seldon St			Town, ST Zip H			Hartford	Hartford Ct, 06106		
Phone #(s):		860-28	0-2321				Con	tact Name;				
Financial Resp	onsibili	ity Acce	pted?		Yes	Date accep	oted:	10/16/08	Tim	e Accepted:	1130 Hrs	
Responsibility	Accept	ed or De	enied by Who	m:		CL&P						
Release Information												
Release Substance: Dielectric Fluid Non I						n PCB						
Date of Releas	se:		Unkn	own			Time of Release: Unknown					
			Historic		Or	n-going						
Release Status	on Arr	ival:	Terminated	ı x	No	Release				1		
			Other: (Ex	olain)								

			G	allons	X	Pou	nds	Ton	S		Ounce	S		
Quantity of Releas	se:	30	Cı	ıYd		Cu :	Feet	55 g	al Drums		Contai	ners		
-			O	ther (explain)										
		Air	- 1				Ground	Soil	X					
Media Affected:		Ground	Surface			X	Ground	Water						
Media Affected.		Surface	Water				Inside S	Structure						
		Contain	ed to Con	tainer			Other (e	explain)				**		
		None			X		River			Pond				
Water Body Affec	rted: 🛏	Brook/S					LIS			Catch I				
Water Body Filter		Ground	Water				Sanitary			Floor I	)rain			
		Drywell					Other E	xplain	L					
Name of Water B	ody Aff	ected:	N/A											
	1		Total (	Quantity Reco	vered	:		30 Gallo	ns					
Product Recovery	:		Total (	Total Quantity in Water Body: N/A										
			Quanti	ty Recovered	from	Water	Body:	N/A						
					FOS	C Coc	rdinatio	n						
Is this an OPA-90	Case?		No	Is the Re	lease	Threa	tening or	Impacting a	a Navigable	Waterwa	ıy?	No		
Describe Nexus:														
NRC Dispatcher			and the same		-NR	C#	i g I ya	Da	ite:		Time:	har A		
FOSC: USEPA						la in	Date:			Tin	ie:			
rosc.			UB.		Date:			Tin	ie:					
Federal Coordinat	ion indi	cating ac	tions take	en are consiste	ent wit	th the	National	Contingenc	y Plan is att	ached:	Yes	No		
				Tra	nspo	rtatio	n Inform	ation						
Transportation Inc	cident?	Y/N	No											
				State		Regi	stration			State		Registr	ation	
Type:	Tractor							Trailer						
		ger Vehi	cle					Vessel	À					
	Straigh	t Truck						Other, Ex	plain					
VIN:								10						
		IC	C #:					MCC#:						
Commercial Vehi	cle	US	SDOT#:					1	- 11					
Vehicle Owner:	N/.	A						Λ.						
Address:							Town,	, ST Zip						
Phone #(s):							Conta	ct Name:			*			
Vehicle Operato	r: N/.	A					Drive	rs License N	Number:					
Address:							Town,	, ST Zip				13		
Phone #(s):											1			
CSP Press Releas	e Repor	t Attache	ed: Y/N	No	Tr	ooper	's Name &	& Badge #:	N/A					
If no, Explain:		No star	te police i	nvolvement.										

	14.2	Environme	ntal Clean-U	Jp Contra	ctor In	formation					
State Licensed Contractor Retain	ned Y/N?		Yes								
Name of Contractor Retained:			Environ	mental Se	rvices	Inc.					- Kar
Hired by Whom (Who actually c	alled the	contractor):	CL&P	25.5							
Date & Time Requested:	10/16	/08 @ 1100 H	Irs	Date	& Time	e Arrived:	Til.	10/16	5/08 @ 1145	Hrs	
			bent Boom			ent Pads	JA ETSA	Sweepe			
		# of Vac	Trucks	1		dy Dry	X	Level A		75	
Mitigation Equipment		Boat	10		Roll	d Tools	X	Level I			
		Overpack	on Equipmen	t X	Othe		A	Lever			
	CONTRACTOR OF THE PARTY OF THE		es Involved								
	1		On Sc		eport	ľ			On Scene		Report
- A	Loca	1 FD			**	Local Fl	MO				
	Loca	l PD	X			State FN	10			_	
Agencies Involved	CSP					FBI	1.1			+	
		l Health				State He	alth			+-	
	EPA	ultant (Name	<del>-  </del>			0300					
Other DEP employees on-scene										•	
			lence Availal	ole On Th	is Inci	dent	oli≅d-Y.				
Photographs of Scene? Y/N		Yes	Taken by:	4 2200	1 938		Subn	nitted? Y	/N	Yes	
Video Tape of Scene? Y/N		No	Taken by:	N/A			Subn	nitted? Y	/N	No	
Sketch of Scene Submitted Y/N		4 (64) SAUGUE 10114	voice Submit	1000	No	Map	of Scen	e Submit	ted Y/N	Yes	15
Takes A DAM TO BURK STOR	Samples	Taken? Y/N		Yes		en By:	CI	&P			
	27 - 12 Aug	cal Results At	Of the state of the state of	No		e Taken:	10.	/16/08		2 100	
Samples	Marie State	ory Performii	Mekolik irak da ing	CL&P	Berlin	Lab	Ch	ain Of C	ustody? Y/N		No
		mples: Y/N	and the second second	Spilt Wit	n Whor	n:	N/	A			
		s Required:	PCB by 1	PLANT BOOK			(NB1 III)				
	ASSESSMENT OF THE PARTY OF THE		Cost Recove	ery Infor	nation	2012/19-004					
Spill Fund Authorized? Y/N	No	Authorized		Date &		N/A	(4)	Rel	ease Letter l	Receiv	ed:
Whom did you give the "RP Ha	ndout" to	0?									
Was there a witness? Y/N	No		Name & Phor	ne#ofWi	tness(s)	):					
Whom did you Fax the "RP Har	idout" to					Fax T	ransmi	ssion Sul	omitted Y/N		
Explain any statements made by	RP as to	the assumpt	ion of respon	sibility:		1,					
Explain efforts by DEP to have	RP perfo	orm clean up (	(include dates	s, times, D	EP staf	f, party co	ntacted	, witness	(s) if any):		
			-								
Do you know of any violations,	negliger	nce, or intenti	onal acts that	may have	contrib	outed to thi	s incid	ent?	No If ye	s, Exp	lain:

ERU Internal Safety And Health Critique										
Were there any Safety	%/or Healt.	h problems encountered during t response? Y		No	If yes, notify your Supervisor ASAP.					
		Case Status Of Inc	Incident							
Case Open? Yes / No	No	Case Closed? Date Closed:	10/16/0	8						
Case Referred?	No	If yes, to which program(s)?								
Date that the on-scene work	completed:		10/16/08							
Report Author:	Richard J	. Scalora	Date:	10/23/	/08					
Signature of Case Emergency Response Coordinator:										
	19	40								

### FIELD REPORT NARRATIVE:

Not to scale north

This inspector was assigned to investigate a spill from a pad mounted transformer located in the rear of the above referenced location.

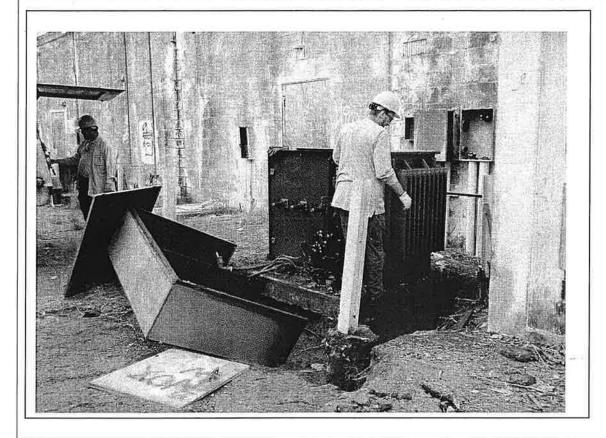
The transformer had been vandalized at an undetermined time for the cooper wire attached to the transformer. One of the bushings on the transformer was damaged and started to leak oil into the cabinet and onto the ground around the transformer.

CL&P contracted Environmental Services Inc. to respond and perform the clean-up of the spilled oil. ESI used a Bobcat to excavate the soil around the transformer and loaded all material into a roll off can staged on site. A supervac was used to excavate the areas around the transformer that could not be accessed with the Bobcat.

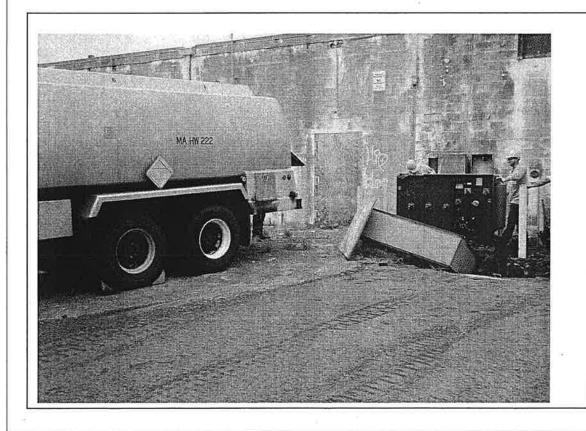
CL&P sent an oil sample to their lab for analytical, the sample came back non -detect for PCB content.

ESI removed app. 15 yards of material for later disposal. At this time this case will be considered closed with the Emergency Response Unit of the CT DEP.

### Photographs of the Incident - Case # 2008-06155



Picture # 1 of 2
Taken By: ERC I 938
Date: 10/16/08
Description:
CL&P crew
dismantling
transformer to pump
out oil. ESI already
removed soil and
asphalt impacted by
spill.



Picture # 2 of 2
Taken By: ERC I 938
Date: 10/16/08
Description:
Area restored
with process stone after
clean up.

4ANCHESTER, CT	Assessed	0 1,555,000 0 18,100 0 2,343,100	Collector or Assessor	1,05	2,800 19,000 572,500	0	1,650,000 C	1,650,000	RY Purpose/Result	ermit/Misc Inspect learing No Change flearing Change Measured & Listed		. Unit Price Land Value 201,600 370,900	Total Land Value: \$72,500
Assessed Value 740,960 400,700 13,300		887,200,2000 20 266,400,2000 20 8,300,2000 70	dges a visit by a Data (	ISED VALUE SUMM.	31dg) 31dg)	(S)	lue	el Value	S ID CA	JR 52 J JL 40 J RR 41 J KL 00		Special Pricing Add	Total 1
Apprai	PREVIOUS ASSESSA	601,000,2005 200 400,700,2005 200 13,300,2005 200 015,000 Total:	his signature acknowled		praised XF (B) Value (F praised OB (L) Value (F	perial Land Value	stal Appraised Parcel Va aluation Method: djustment:	t Total Appraised Parc	Type	8/20/2010 12/26/2006 12/18/2000 1/28/2000		Notes- Adí	
	Yr. Code Assesse	200 200 200 700d:	Comm, Int.	]   V	BATCH A	IS.	N A	Ne	Commente	CORNIEGRA CARNIVAL ELEC FOR CARNIVAL	SECTION	ST. Idx Adj. 5800 1.50 5800 1.50	
LOCATION	SALE PRICE V.C.	1,500,400	ER ASSESSMENTS Number An		ING ING					100 08/20/2010	LINE VALUATIONS	Acre C. 1,0000 0 1,0000	tal Land Area: 2.84 AC
STRT/ 1 Paved 1 Paved EMENTAL L COFC COFC NBHD1	ASSOC PID#   SALE DATE   q/u   v/   04/15/2004   U   I	D	Description			S				,000 08/20/2	133	Unit Price 168,000.00 168,000.00	2.84 AC Parcel Total Land
UTI (All P.)	C C 3000324 BK-VOLPAGE 2853/102	2375/ 172 2375/ 1023 797/ 023	Amount Co		1 1 1 1 1		NO		BUILDING PER		THE RESERVE OF THE PARTY OF THE	Depth L	
TO Therefore The Top Major Us Si-Dir District	TERSH	AL.S	XEMPTIONS		Total NBHD NAME		R MORE INFORMATI IPULATED 391S) (JR)			Type MS EL		Zone D GB GB	Total Card Land Units:
on ID: 1905  CURRENT OHIVE MANCHESTER LLC SERENSON ASSOCIAT STER PLAZA FLR FLR FON, MA 02116 ional Owners:	RECORD OF G	MANCHESIER LLC I ASSOCIATES LLC DER JOEL B TR & ET	Time Description		NBHD/ SUB	e000/A	ORIGINAL CARD FO S BAA- NO CHANGE 08. INPUT CC PER STI GMENT (CVE-07-4014:	)-NVI-JR		(0-2833 06/03/2010	Conference of the Conference o	Use Use Code Description 200 Commercial 94 200 Commercial 94	
	CCOUNT # 0 / 3000324         STRT/ROAD         LOCATION         CORRENT ASSESSMENT         Assessed Value         6077           0, UTILITIES         STRT/ROAD         LOCATION         Code         Appraised Value         6077           1, All Public         I Paved         COMMERCI         200         1,058,500         740,960           COMMERCI         200         572,500         400,700         MANCHESTER,           PHOTO RETX         COFC         19,000         13,300           T         Census Tract 5145         Census Tract 5145	TOPO, UTILITIES   Faved   LOCATION   Description   Code   Approised Value   Assessed Value   6077	TOPO.   UTILITIES   STRT.ROAD   LOCATION   Description   Code   Approised Value   Assessed Value   G077	TOPO	Love    Topo	TOPO	TOPO	Tactorin by Journal of Street By Journal of Stree	TOPO   MINTONICS   Pared   COATION   COMPUTED   COATION   COATIO	Table   First   Firs	TOTOL   CONTRICT   TOTOL   CONTRICT   CONT	Table   National	Part

Bldg Name: State Use: 200   Sec #: 1 of 1		BAS 62 14 320		526		CAN 62 14		
1 of 1		BAS			FØP			
MAP ID: 61/ 730/ 324/ / Bldg #:	Description	unida sessa	MIXED USE Percentage 94 100	5T VALUATION 96.27 7,038,204	7 8000 F	17 15 1655,700 0 0	Cnd Pscnd Apr Value 20 16,000 50 1,400 40 1,600 5 2,800	Unit Cost Undeprec, Value 96.27 7,013,270 19,30 16,751 24.21 8,183
M Account #073000324	Element Cd Ch Descri		MIX. Code Description 200 Commercial 94	Adj. Base Rate: 56.	Dep Code Remodel Rating Year Remodeled Dep % Functional Obsinc External Obsinc Cost Trend Factor Contition	% Complete Overall % Cond Apprais Val Dep % Ovr Dep Ovr Comment Mise Imp Ovr Mise Imp Ovr Cost to Cure Ovr Cost to Cure Ovr	UBUnits Unit Price Yr Gde Dp Rt R L 550,0001.60 2000 0 L 250 11.00 2000 0 B 72,85(1.50 1978 1	
ET	CONSTRUCTION DETAIL Cd. Ch. Description	Discount/Super Comm/Ind Average	Brick/Masonry Flat Tar+ Gravel	Puning Masonry Drywall/Sheetr Tile/Vinyl Cmp Gas Forced Air-Duc	cial 94	Heat/AC Packag Masonry Average Celling & Wall Average	Z. (2)	scription
cation: 324 ]	Cd. Ch.		20 01 00	3 63 63		0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OB-OUTBUILDI Description Sub Paving Asphalt Fence S' Chain Lights 3 Fr Sprinklers-Wet	Description First Floor Canopy Porch, Open
Property Location Vision ID: 1905	Element	Style Model Grade Stories	Occupancy Exterior Wall 1 Exterior Wall 2 Roof Structure Roof Cover	Interior Wall 2 Interior Floor 1 Interior Floor 2 Heating Fuel Heating Type	Bldg Use Total Rooms Total Bedms Total Baths	HeavAC Frame Type Baths/Plumbing Ceiling/Wall Rooms/Prtns Wall Height % Comn Wall		Code Dess BAS First CAN Can FOP Porc

Page 1 of 2

Powered by Vision Appraisal Technology



MBLU: 61/730/330///

Location: 330 BROAD STREET

Account Number: 073000330

**Parcel Value** 

Item Appraised Value **Assessed Value** Buildings 12,200 8,500 300 200 Xtra Bldg Features 1.270 Outbuildings 1,800 444,900 635,700 Land 454,870 650,000 Total:

**Ownership History** 

 Book/Page
 Sale Date
 Sale Price

 2853/ 102
 4/15/2004
 0

 2375/ 075
 12/31/2001
 0

 797/ 023
 12/30/1981
 545,600

Land Use

Land Use Code Land Use Description
200 Commercial 94

**Land Line Valuation** 

 Size
 Zone
 Appraised Value
 Assessed Value

 4.03 AC
 GB
 635,700
 444,900

**Construction Detail** 

Building #1

 STYLE Shop Center RE
 Exterior Wall 1 Brick/Masonry

 Roof Structure Flat
 Roof Cover Tar + Gravel

 Interior Wall 2 Drywall/Sheetr
 Interior Floor 1 Tile/Vinyl Cmp

 Heating Fuel Gas
 Heating Type Forced Air-Duc

Exterior Wall 2 Concr/Cinder Interior Wall 1 Minim/Masonry Interior Floor 2 Carpet AC Type Central

**Building Valuation** 

Living Area: 16,397 square feet Replacement Cost: 1,242,061

Depreciation: 83% Building Value: 12,200

Year Built: 1969

**Extra Features** 

Code Description
SPR1 Sprinklers-Wet

**Units** 1000 S.F.

2 UNITS

Appraised Value 300

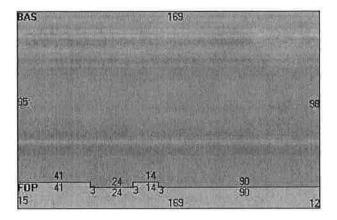
**Outbuildings** 

CodeDescriptionPAV1Paving AsphaltLT10Lights 3 Fix

Units Appraised Value 20000 S.F. 1600

1600 200

### **Building Sketch**



**Subarea Summary** 

CodeDescriptionBASFirst FloorFOPPorch, Open

**Gross Area** 16397 2193 **Living Area** 16397

State Use: 200 Print Date: 01/19/2011 12:43	458-55ed Value 229,000 451,200 55,000  VISION	Value   Yr.   Code   Assessed Value   S32,400,200   200   351,100,200   200   534,100   534,100   56,200,200   200   57,500   769,700   Total:   2,006,700   1,515,500   200   200,6700   200,6700   2,006,700	UE SUMMARY	323,300 3,800 78,200 644,700	1,050,000 C	arcel Value 1,050,000 VISIT/ CHANGE HISTORY	JD Cd. Purpose/Result JL 40 Hearing No Change JR 51 Field review RR 41 Hearing Change KL 04 Measur/Vac/Boarded up	ing. Adj. Unit Price Land Value 201,600 403,200 39,900	
1 Card 1 of 1	CURRENT ASSESSMENT  Code Appraised Value Assesse 200 327,100 5200 644,700 78,200 Tatril 1 050 000	PREVIOUS ASSESSMENT   PREVIOUS ASSESSMENT   Palue   Y.   Code   Assessed   451,200,2005   200   106,800,2005   200     1,188,600     Total:     Total:	APPRAISED VALUE SUMMARY	Appraised Bldg. Value (Card) Appraised XF (B) Value (Bldg) Appraised OB (L) Value (Bldg) Appraised Land Value (Bldg) Special Land Value	Total Appraised Parcel Value Valuation Method: Adjustment:	Net Total Appraised Parcel Value	Date Type IS 12/26/2006 4/22/2003 12/18/2000 1/28/2000	Notes- Adj Special Pricing SITE EXCESS	
MAP ID: 61/730/334// Bldg Name: Account #073000334 Bldg #: 1 of 1 Sec #: 1 of	VILITIES   STRT.ROAD   LOCATION   Description	- <i>YOLPAGE SALI</i> 2853/102 0 2375/075 11 797/023 11		ASSESSING NEIGHBORHOOD STREET INDEX NAME TRACING BATCH NOTES		BUILDING PERMIT RECORD	Amount         Insp. Date         % Comp.         Date Comp.         Comments           5,000         04/22/2003         100         04/22/2003         ALARM,CAMERA	LAND LINE VALUATION SECTION   Unit Price   I. Factor   S.A. Disc   C. Factor   ST. Idx   Adi.   L.00   AC   168,000.00   1.00   C   1.0000   0.80   5800   1.50   S.00   AC   1.00   0   1.0000   0.80   5800   1.50   S.00   1.50   S.00   1.50   S.00   S.	
D STREET	VTOWNER TOPO.  ER LLC  ASSOCIATES  1 Level  ASSOCIATES  16  Other ID:  Major Use  St-Dir  District  Nahd  Call Back	RECORD OF OWNERSHIP FINM MANCHESTER LLC FINM ASSOCIATES LLC WILDER JOEL B TR & ETALS	Year Type Description	Total:-	BLDG VACANT SEE ORIGINAL CARD FOR MORE INFORMATION 2006 BAA- NO CHANGE 1/2008- INPUT CC PER STIPULATED JUDGMENT (CV-07-4014391S) (JR)		Permit ID Issue Date Type Description 03-1566 02/19/2003 EL Electric	B Use	

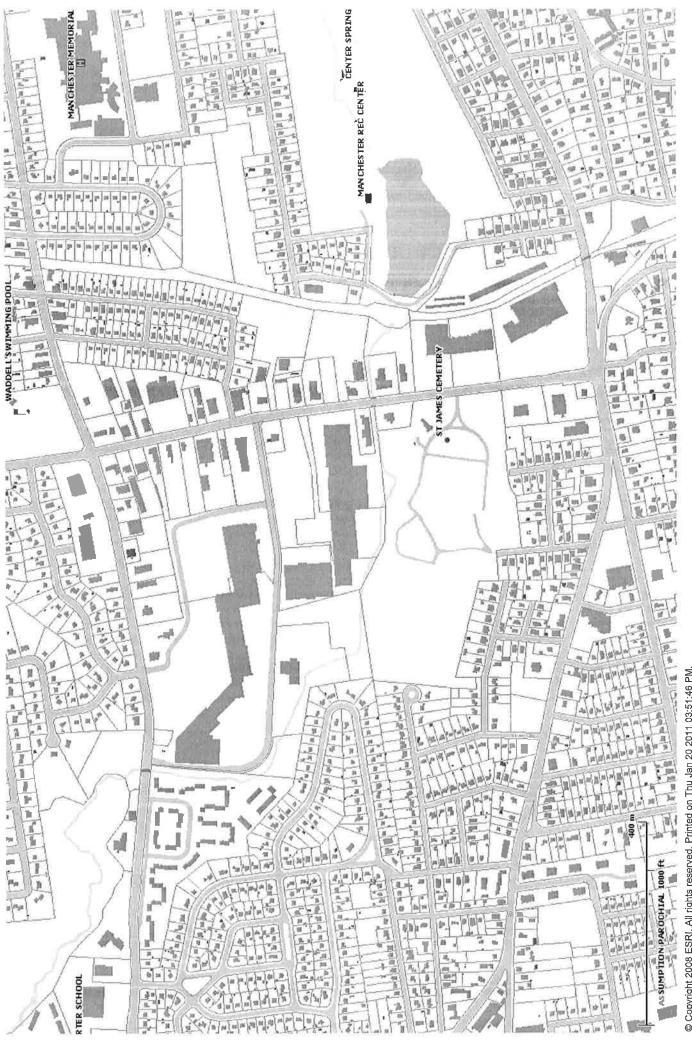
State Use: 200  Print Date: 01/19/2011 12:43		<u>UE</u> P 298 18			154		8 9 9	26 20 88 88 14					<b>*</b>				
Bidg Name: of 1 Sec #: 1 of 1 Card 1 of 1		10 1840 28			BAS 154			FOP 224									
730/ 334/ / Bldg #: 1	On Description			MIXED USE Percentage 100		COSTMARKET VALUATION ate: 78.35	4,019,670 1967	Ex.	33 20 25		523,300			ATUR	2	ION	29.1 Chil Cost Undeprice Value 78.35 3.921,813 19.59 94,723 39.17 3,134
Account #073000334	Element Cd Ch Description			Code Description 2001 Commercial 96		Adj. Base Rate:	Replace Cost AYB	Dep Code Remodel Rating Year Remodeled	Dep % Functional Obslnc External Obslnc	Cost 1rend Factor Condition % Complete	Overali % Cond Apprais Val	Dep Ovr Comment Misc Imp Ovr	Misc Imp Ovr Comment Cost to Cure Ovr Cost to Cure Ovr	OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FE	995	BUILDING SUB-AREA SUMMARY SECTION	Living Area Gross Area Eff. Area 50,056 50,056 4,836 0 80
Property Location: 334 BROAD STREET Vision ID: 1909	CONSTRUCTION DETAIL	Shop Center RE Ind/Comm	Below Average	Brick/Masonry Concr/Cinder	Hat Tar + Gravel Minim/Masonry	Drywall/Sheetr Tile/Vinyl Cmp	Carpet Gas Forced Air-Duc Central	Commercial 96		Heat AC Split	Average	Average		Kith Kith Descript   / R		BUILDINGSU	losed, U
Property Location: 3 Vision ID: 1909	Element Cd	Style 15 Model 96			Roof Cover 04 Interior Wall 1 01		Interior Floor 2 14 Heating Fuel 03 Heating Type 04 AC Type 03	Bidg Use 2001	Total Bedrms 00 Total Baths 0	Heat/AC 02	guio		% Comn Wall 0	Code Description	PAVI Paving Asphalt LT10 Lights 3 Fix SPR1 Sprinklers-Wet	A STEELING	Code Description BAS First Floor FOP Porch, Ope UEP Porch, Encl

State Use: 200  1	Total   3,750,000   2,625,020     PREVIOUS ASSESSMENTS (HISTORY)     Palue   Yr.   Code   Assessed Value     Yr.   Code   Assessed Value     Yr.   Code   Assessed Value     Yr.   Code   Assessed Value     1,921,500,200     200     3,109,000     390,600,2005     200     679,400,200     200     845,700     45,700   200     45,700     2,646,600     Total:	APPRAISED VALUE SUMMARY         2,238,200           'alue (Card)         48,400           Value (Bldg)         48,200           alue (Bldg)         1,415,200           oc         0           arcel Value         3,750,000           :         C	arcel Value  WISTY CHANGE HISTORY  IS 1D Cd Purpose/Result  JL 40 Hearing Change  JR 51 Field review  RR 41 Hearing Change  KL 00 Measured & Listed	Special Pricing Adj. Unit Price Land Value 201,600 1,213,600 1,213,600 Total I and Value 1,415,200
f 1 Card 1 of  CURRENT ASSESSM Code Appraised 200 2,00 1,4 200 1,4	nut Tul	Appraised Bldg. Value (Card) Appraised XF (B) Value (Bldg) Appraised Cand (Card) Appraised Land Value (Bldg) Special Land Value Total Appraised Parcel Value Valuation Method: Adjustment:	Total Appraised P  Date	Adj. Notes- Adj 1.50 SITE
Bldg Name g#: 1 of 1 Sec #: 1 LOCATION Description COMMERCI COMMERCI COMMERCI	Vu v.f SALE PRICE V.C.  U I 33 Yr. Code As U I 1,409,500 200 200 200 200 200 200 200 200 200	BATCH	np. Date Comp. Comments 08/09/2004 ELEC FOR CARNIVAL	LAND LINE VALUATION SECTION  I. Factor S.A. <i>Disc</i> C. Factor ST. ldx  00 1.00 C 1.0000 0.80 5800  1.00 d 1.0000 0.80 5800
MAP ID: 61/ 730/ 3  STRT_ROAD  1 Paved  LEMENTAL DATA  PHOTO RET COFC  NBHDTYPE 02  Census Tract 5145	ASSOC PII   SALE DATE   9   04/15/2004   12/30/1981   12/30/1981   12/30/1981	ASSESSING NEIGHBORHOOD  STREET INDEX NAME TRACING  NOTES	BUILDING PERMIT RECORD  Amount Insp. Date % Comp.  1,000 08/09/2004 100	Units Drift I. Factor S.A. I. 6.02 AC 168,000.00 1.00 0 1.
Account #073  TOPO. U7  vel (1 All)  r U3: 2  r U5e 2  r U5e 2	Call Back C	NBHD NAME STREET STREET STREET STREET ATED ATED GR)	Description	Zone D Frontage Depth (GB GB
Property Location: 340 BROAD STREET Vision ID: 1911  CURRENT OHVER FINM MANCHESTER LLC C/O BERENSON ASSOCIATES 1 EXETER PLAZA 10 TH FLR BOSTON, MA 02116 Additional Owners: Majo St-Di Distri	Ca RECORD OF OWNERSHIP FNM MANCHESTER LLC FNM ASSOCIATES LLC WILDER JOEL B TR & ETALS Vear Type Description	NBHD/SUB NBHD NAME 6000/A NBHD NAME 6000/A VACANT SEE ORIGINAL CARD FOR MORE INFORMATION 2006 BAA- NO CHANGE 1/2008- INPUT CC PER STIPULATED JUDGMENT (CV-07-4014391S) (JR)	Permit ID Issue Date 7	# Code Description 1 2001 Commercial 96 1 200 Commercial 94

State Use: 200 of 1 Print Date: 01/19/2011 12:43		o Av	252	8	EOP 224							
Bldg Name: 1 of 1 Sec #: 1 of 1 Card 1			BAS 276	162	80 40 FOP 156 14 FOP 14 40							
730/340// Bldg#:	Description		MIXED USE Percentage 96 100	COST/MARKET VALUATION ste: 89.14	10,747,497 1966 F	33 20 100 100	27 2,238,200 0 0	ATURE	Cnd Mpr Value 46		Unit Cost Undeprec. Value 89.14 10,650,152 22.29 97,345	10,747,497
M Account #073000340	Element Cd Ch Description		Code Description 2001 Commercial 96	COST/MARK	Replace Cost AYB Dep Code	Kenodel Kamg Year Remodeled Dep % Functional Obslnc External Obslnc Coxt Trend Factor	% Complete Overall % Cond Apprais Val Dep % Ovr Dep Ovr Comnent Miss Imp Ovr Cost to Cure Ovr Cost to Cure Ovr	L) / XF-BUILDING EXT	148,041.50 2000 0 119,41.50 1973 1		Living Area Gross Area Eff. Area 119,472 119,472 4,368	123,840
	CONSTRUCTION DETAIL	Disc Retail Ind/Comm Below Average	Brick/Masoury Concr/Cinder Flat Tar+ Gravel	Minim/Masonry Drywall/Sheetr Carpet Tile/Vinyl Cmp Gas	Forced Air-Duc Central	Confinercial 90	Heat AC Split Masoury Average Susp Ceil & WI Average	8	Description of the property of	BUILDING SUB-AR		Til, Gross Liv/Lease Area; 119,472
Property Location: 340 BROAD STREET Vision ID: 1911	CONSTRU Element Cd.  Cd.	1	Occupancy 2 Exterior Wall 1 20 Exterior Wall 2 115 Roof Structure 01 Roof Cover 04	112		SI SI SI SI SI SI SI SI SI SI SI SI SI S	Heat/AC 02 Frame Type 03 Baths/Plumbing 02 Ceiling/Wall 05 Rooms/Prtns 02 Wall Height 20	1	Code Description PAVI Paving Asphalt LT10 Lights 3 Fix SPR1 Sprinklers-Wet		Code Description BAS First Floor FOP Porch, Open	Til. Gras

### Flex Viewer

Powered by ArcGIS Server



© Copyright 2008 ESRI. All rights reserved. Printed on Thu Jan 20 2011 03:51:46 PM.

# Flex Viewer



ENVIRONMENTAL	APPENDIX DATABASE REPORT &	F Z SUPPLEMENTAL EDR REPOR	ГS

### FirstSearch Technology Corporation

### **Environmental FirstSearch** Report

Target Property: MANCHESTER PARKADE PARCEL

### 334 BROAD ST

### **MANCHESTER CT 06040**

Job Number: 05.P000408.11

### PREPARED FOR:

GZA GeoEnvironmental, Inc.
655 Winding Brook Drive, Suite 402
Glastonbury, CT 06033

01-17-11



Tel: (781) 551-0470 Fax: (781) 551-0471

### Environmental FirstSearch Search Summary Report

**Target Site:** 334 BROAD ST

MANCHESTER CT 06040

### FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS	
NPL	Y	10-21-10	1.00	0	0	0	0	0	0	0	
NPL Delisted	Y	10-21-10	0.50	0	0	0	0	-	0	0	
CERCLIS	Y	11-30-10	0.50	0	1	0	0	-	0	1	
NFRAP	Y	11-30-10	0.50	0	0	0	0	-	0	0	
RCRA COR ACT	Y	11-10-10	1.00	0	0	0	0	1	0	1	
RCRA TSD	Y	11-10-10	0.50	0	0	0	0	-	0	0	
RCRA GEN	Y	11-10-10	0.25	0	3	5	-	-	0	8	
RCRA NLR	Y	11-10-10	0.25	0	3	0	-	-	1	4	
Federal Brownfield	Y	12-10-10	0.50	0	0	0	0	-	0	0	
ERNS	Y	10-21-10	0.15	0	3	0	-	-	0	3	
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	1	1	
State/Tribal Sites	Y	04-23-10	1.00	0	1	3	4	18	0	26	
State Spills 90	Y	11-18-10	0.25	9	31	105	-	-	65	210	
State/Tribal SWL	Y	12-16-09	0.50	0	0	0	0	-	1	1	
State/Tribal LUST	Y	11-30-10	0.50	0	2	4	9	-	11	26	
State/Tribal UST/AST	Y	10-01-10	0.25	2	5	6	-	-	0	13	
State/Tribal EC	Y	NA	0.50	0	0	0	0	-	0	0	
State/Tribal IC	Y	01-01-05	0.25	0	0	0	-	-	0	0	
State/Tribal VCP	Y	04-23-10	0.50	0	0	0	0	-	0	0	
State/Tribal Brownfields	Y	05-01-08	0.50	0	0	0	0	-	0	0	
State Other	Y	04-23-10	0.25	0	1	5	-	-	3	9	
Federal IC/EC	Y	11-04-10	0.50	0	0	0	0	-	0	0	
- TOTALS -				11	50	128	13	19	82	303	

### **Notice of Disclaimer**

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

### Waiver of Liability

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

### Environmental FirstSearch Site Information Report

**Request Date:** 01-17-11

**Search Type: AREA Requestor Name:** Benjamin Graham 0.03 sq mile(s)

**Standard:** 05.P000408.11 AAI Job Number:

**Filtered Report** 

**Target Site:** 334 BROAD ST

MANCHESTER CT 06040

### **Demographics**

Non-Geocoded: **Population: Sites:** 303 82 NA

0 - 4.1 PCI/L Radon:

### Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		<u>UTMs</u>
Longitude:	-72.536762	-72:32:12	<b>Easting:</b>	704720.681
Latitude:	41.777735	41:46:40	Northing:	4627818.529
<b>Elevation:</b>	N/A		Zone:	18

### Comment

**Comment:** 

### Additional Requests/Services

<b>Adjacent ZIP Codes:</b>	0.25 Mile(s)	Services:
----------------------------	--------------	-----------

ZIP Code City Name	ST Dist/Dir Sel		Requested? Date
06042 MANCHESTER	CT 0.15 NW Y	Fire Insurance Maps	No
		Aerial Photographs	No
		Historical Topos	No
		City Directories	No
		Title Search/Env Liens	No
		Municipal Reports	No
		Online Topos	No

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	SPILLS	200705632/CLOSED	308 BROAD ST MANCHESTER CT 06040	0.00	N/A	1
1	SPILLS	M.V.A 200003607/CLOSED	308 BROAD ST MANCHESTER CT 06040	0.00	N/A	2
2	SPILLS	95114/CLOSED	344 BROAD ST MANCHESTER CT 06040	0.00	N/A	4
2	UST	MR. AUTO WASH 01241/PERMANENTLY CLOSED	344 BROAD ST MANCHESTER CT 06040	0.00	N/A	5
2	SPILLS	MISTER AUTO WASH 953430/CLOSED	344 BROAD ST MANCHESTER CT 06040	0.00	N/A	7
3	SPILLS	MVA 200502381/CLOSED	324 BROAD ST MANCHESTER CT 06040	0.00	N/A	8
4	SPILLS	200306527/CLOSED	340 BROAD ST MANCHESTER CT 06040	0.00	N/A	9
4	SPILLS	SAA 200806574/CLOSED	340 BROAD ST MANCHESTER CT 06040	0.00	N/A	10
5	SPILLS	200104332/CLOSED	314 BROAD ST MANCHESTER CT 06040	0.00	N/A	11
6	SPILLS	200806700/CLOSED	304 BROAD ST MANCHESTER CT 06040	0.00	N/A	12
7	UST	SEAR S AUTOMOTIVE 01126/PERMANENTLY CLOSED	BROAD ST MANCHESTER CT 06040	0.00	N/A	14
8	OTHER	STOP and SHOP ERRAND EXPRESS CTOT-0410-58/PTP	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	15
8	SPILLS	STOP and SHOP, INC 912760/CLOSED	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	17
8	SPILLS	SAME 9704168/CLOSED	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	18
8	SPILLS	200508033/CLOSED	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	19
8	ERNS	STOP and SHOP 411473/HIGHWAY RELATED	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	20
8	ERNS	STOP and SHOP D50420/HIGHWAY	300 MONTOWESE POB 333 AVE MANCHESTER CT 06040	0.01 NE	N/A	21
8	SPILLS	200405040/CLOSED	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	22
8	RCRAGN	STOP and SHOP CT5000001990/SGN	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	23
8	SPILLS	95363/OPEN	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	25
8	SPILLS	200604129/CLOSED	286 BROAD ST MANCHESTER CT 06040	0.01 NE	N/A	26

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
9	STATE	ABILITY MACHINE and TOOL CO 219/INVENTORY	315 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	28
9	LUST	JIFFY LUBE 1300-1302/NO	315 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	29
9	LUST	JIFFY LUBE 29834/INVESTIGATION	315 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	30
9	CERCLIS	ABLILITY MACHINE and TOOL COMP CTD983869074/NOT PROPOSED	315 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	31
9	RCRANLR	ECONOMY OIL CHANGE INC CTD983875758/NLR	315 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	32
9	SPILLS	200200601/CLOSED	315 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	33
9	SPILLS	BOLAND BROTHERS OIL 912172/CLOSED	315 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	35
10	SPILLS	MONROE MUFFLER 200601293/CLOSED	325 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	36
10	UST	CAPITOL TIRE CO 01264/PERMANENTLY CLOSED	325 BROAD ST MANCHESTER CT 06040	0.02 NE	N/A	36
11	SPILLS	BRUCE SIMINS HARTFORD DISPENSI 200905335/CLOSED	331 BROAD ST MANCHESTER CT 06040	0.03 NE	N/A	37
11	SPILLS	MVA 200400660/CLOSED	331 BROAD ST MANCHESTER CT 06040	0.03 NE	N/A	38
12	SPILLS	M/V 200201782/CLOSED	364 MIDDLE TPKE W MANCHESTER CT 06040	0.04 NW	N/A	39
12	UST	DandL STORE MANCHESTER PARKADE 01125/CURRENTLY IN USE	364 MIDDLE TPKE W MANCHESTER CT 06040	0.04 NW	N/A	40
13	SPILLS	MEINEKE MUFFLER 200706039/CLOSED	290 BROAD ST MANCHESTER CT 06040	0.04 NE	N/A	41
14	SPILLS	SILKTOWN ROOFING- FIRESTONE BU 200506799/CLOSED	BROAD ST and GREEN MANOR BL MANCHESTER CT 06040	0.04 NE	N/A	42
14	SPILLS	9901628/CLOSED	BROAD ST and GREEN MANOR BL MANCHESTER CT 06040	0.04 NE	N/A	43
14	SPILLS	TOWN OF MANCHESTER 9803007/CLOSED	BROAD ST and GREEN MANOR BL MANCHESTER CT 06040	0.04 NE	N/A	44
15	SPILLS	UNKNOWN 9806635/CLOSED	299 BROAD ST MANCHESTER CT 06040	0.04 NE	N/A	45
16	SPILLS	200201253/CLOSED	352 MIDDLE TPKE W MANCHESTER CT 06040	0.04 NW	N/A	46
17	SPILLS	SAA 200001483/CLOSED	357 BROAD ST MANCHESTER CT 06040	0.05 SE	N/A	48

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
17	UST	BERMAN AND BERGEN TIRE CENTERS 09579/PERMANENTLY CLOSED	357 BROAD ST MANCHESTER CT 06040	0.05 SE	N/A	49
18	SPILLS	SAA 200405672/CLOSED	376 MIDDLE TPKE W MANCHESTER CT 06040	0.05 NW	N/A	50
19	SPILLS	UNKNOWN 9906601/CLOSED	295 BROAD ST MANCHESTER CT 06040	0.05 NE	N/A	51
20	SPILLS		PARKADE MALL/CHANNEL HARD	WA 0.06 NE	N/A	53
		911124/CLOSED	MANCHESTER CT 06040	0.00 NE	14/21	33
21	UST	ST JAMES CEMETERY 01198/PERMANENTLY CLOSED	360 BROAD ST MANCHESTER CT 06040	0.06 SE	N/A	54
22	SPILLS	CL AND P 200202183/CLOSED	386 MIDDLE TPKE W MANCHESTER CT 06040	0.07 NW	N/A	55
22	ERNS	MANCHESTER PARKADE NRC-598867/FIXED	386 MIDDLE TPKE W MANCHESTER CT 06040	0.07 NW	N/A	57
23	UST	DE CORMIER MOTOR SALES INC 01233/PERMANENTLY CLOSED	285 BROAD ST MANCHESTER CT 06040	0.08 NE	N/A	59
23	RCRANLR	DE CORMIER MOTOR SALES INC CTD018704031/NLR	285 BROAD ST MANCHESTER CT 06040	0.08 NE	N/A	60
23	RCRAGN	DE CORMIER MOTOR SALES INC CTD018704031/VGN	285 BROAD ST MANCHESTER CT 06040	0.08 NE	N/A	61
24	RCRANLR	PARKADE CLEANERS CTD047708086/NLR	394 MIDDLE TPKE W MANCHESTER CT 06040	0.08 NW	N/A	62
24	RCRAGN	PARKADE CLEANERS CTD047708086/VGN	394 MIDDLE TPKE W MANCHESTER CT 06040	0.08 NW	N/A	63
25	SPILLS	UNK. 9901634/CLOSED	BOAD WENDYS RESTAURANT ST MANCHESTER CT 06040	0.08 NE	N/A	64
26	SPILLS	NORTHEAST UTILITIES 961316/CLOSED	381 BROAD ST MANCHESTER CT 06040	0.09 SE	N/A	66
26	SPILLS	200205718/CLOSED	381 BROAD ST MANCHESTER CT 06040	0.09 SE	N/A	67
27	SPILLS	UNKNOWN MOTORIST 200305141/CLOSED	277 BROAD ST MANCHESTER CT 06040	0.09 NE	N/A	68
28	SPILLS	200603432/CLOSED	354 MIDDLE TPKE W MANCHESTER CT 06040	0.11 NW	N/A	69
29	SPILLS	200405954/CLOSED	260 BROAD ST MANCHESTER CT 06040	0.11 NE	N/A	70
29	SPILLS	200905763/CLOSED	260 BROAD ST MANCHESTER CT 06040	0.11 NE	N/A	71
30	SPILLS	200207883/CLOSED	406 MIDDLE TPKE W MANCHESTER CT 06040	0.12 NW	N/A	72

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
31	SPILLS	M.V.A 200002038/CLOSED	356 MIDDLE TPKE W MANCHESTER CT 06040	0.13 NW	N/A	73
31	SPILLS	200207806/CLOSED	356 MIDDLE TPKE W MANCHESTER CT 06040	0.13 NW	N/A	74
31	SPILLS	200002323/CLOSED	356 MIDDLE TPKE W MANCHESTER CT 06040	0.13 NW	N/A	75
32	SPILLS	200802543/CLOSED	410 BROAD ST MANCHESTER CT 06040	0.13 SE	N/A	76
33	RCRAGN	R T COACHWORKS CTD981885684/SGN	244 BROAD ST MANCHESTER CT 06040	0.14 NW	N/A	77
33	OTHER	R.T. COACHWORKS 4429/TRANSFER ACT	244 BROAD ST MANCHESTER CT 06040	0.14 NW	N/A	78
33	STATE	R.T. COACHWORKS 4429/SUSPECTED	244 BROAD ST MANCHESTER CT 06040	0.14 NW	N/A	80
33	OTHER	ROUTE COACHWORKS AUTOBODY CTOT-0509-909/PTP	244 BROAD ST MANCHESTER CT 06040	0.14 NW	N/A	81
34	SPILLS	CTS 200804561/CLOSED	257 BROAD ST MANCHESTER CT 06040	0.14 NE	N/A	82
34	SPILLS	200602843/CLOSED	257 BROAD ST MANCHESTER CT 06040	0.14 NE	N/A	83
35	SPILLS	JASON WRIGHT 936428/CLOSED	408 MIDDLE TPKE W MANCHESTER CT 06040	0.14 NW	N/A	85
36	SPILLS	200700426/CLOSED	425 BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	86
36	SPILLS	SAA 200506531/CLOSED	BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	87
36	SPILLS	200503291/CLOSED	425 BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	88
36	SPILLS	200407055/CLOSED	425 BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	89
36	SPILLS	9908245/CLOSED	425 BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	90
36	SPILLS	9806568/CLOSED	425 BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	91
36	SPILLS	200500016/CLOSED	BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	92
36	SPILLS	NABISCO FOODS 200009260/CLOSED	425 BROAD ST MANCHESTER CT 06040	0.14 SE	N/A	93
37	SPILLS	200207726/CLOSED	157 SAINT JOHNS ST MANCHESTER CT 06040	0.14 SW	N/A	94

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
38	UST	FIRST FEDERAL SAVINGS and LOAN 09040/PERMANENTLY CLOSED	344 MIDDLE TPKE W MANCHESTER CT 06040	0.14 NW	N/A	95
39	SPILLS	201003482/CLOSED	328 MIDDLE TPKE W MANCHESTER CT 06040	0.15 NW	N/A	96
39	SPILLS	200505550/CLOSED	328 MIDDLE TPKE W MANCHESTER CT 06040	0.15 NW	N/A	97
39	SPILLS	200208965/CLOSED	328 MIDDLE TPKE W MANCHESTER CT 06040	0.15 NW	N/A	98
40	SPILLS	200306185/CLOSED	RIDGEWOOD ST and ROOSEVELT MANCHESTER CT 06040	0.15 SE	N/A	99
41	SPILLS	200901782/CLOSED	410 MIDDLE TPKE W MANCHESTER CT 06040	0.15 NW	N/A	100
41	SPILLS	200606038/CLOSED	410 MIDDLE TPKE W MANCHESTER CT 06040	0.15 NW	N/A	101
42	SPILLS	CLandP 200601888/CLOSED	242 BROAD ST MANCHESTER CT 06040	0.16 NW	N/A	102
43	SPILLS	MULTIPLE MOTORISTS 200306496/CLOSED	355 MIDDLE TPKE W MANCHESTER CT 06042	0.16 NW	N/A	103
43	SPILLS	9907713/CLOSED	355 MIDDLE TPKE W MANCHESTER CT 06042	0.16 NW	N/A	104
44	SPILLS	MVA 200002545/CLOSED	412 MIDDLE TPKE W MANCHESTER CT 06040	0.16 NW	N/A	105
44	SPILLS	943510/CLOSED	412 MIDDLE TPKE W MANCHESTER CT 06040	0.16 NW	N/A	107
44	SPILLS	9805027/CLOSED	412 MIDDLE TPKE W MANCHESTER CT 06040	0.16 NW	N/A	108
45	SPILLS	MVA 200100540/CLOSED	308 MIDDLE TPKE W MANCHESTER CT 06040	0.16 NW	N/A	109
45	UST	DYNAMIC AUTO LLC 01205/PERMANENTLY CLOSED	308 MIDDLE TPKE W MANCHESTER CT 06040	0.16 NW	N/A	111
46	SPILLS	UNKNOWN MOTORIST 200300056/CLOSED	320 MIDDLE TPKE W MANCHESTER CT 06040	0.16 NW	N/A	113
46	SPILLS	200004153/CLOSED	320 MIDDLE TPKE W MANCHESTER CT 06040	0.16 NW	N/A	114
47	SPILLS	9901441/CLOSED	WEST MIDDLE TRPK TOWER MANCHESTER CT 06042	0.16 NW	N/A	115
48	SPILLS	954467/CLOSED	MIDDLE TPKE W and TOWER RD MANCHESTER CT 06042	0.16 NW	N/A	117
48	SPILLS	200703141/CLOSED	MIDDLE TPKE W and TOWER RD MANCHESTER CT 06042	0.16 NW	N/A	118

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
48	SPILLS	200502777/CLOSED	MIDDLE TPKE W and TOWER RD MANCHESTER CT 06042	0.16 NW	N/A	119
48	SPILLS	200806648/CLOSED	MIDDLE TPKE W and TOWER RD MANCHESTER CT 06042	0.16 NW	N/A	120
49	SPILLS	HOMEOWNER 200308898/CLOSED	325 MIDDLE TPKE W MANCHESTER CT 06042	0.17 NW	N/A	121
50	LUST	MOTIVA ENTERPRISES 200401046/CLOSED	288 MIDDLE TPKE W MANCHESTER CT 06040	0.17 NW	N/A	122
50	UST	SHELL SERVICE STATION 01201/CURRENTLY IN USE	288 MIDDLE TPKE W MANCHESTER CT 06040	0.17 NW	N/A	124
50	OTHER	SHELL FACILITY 136329 CTOT-0509-1065/PTP	288 MIDDLE TPKE W MANCHESTER CT 06040	0.17 NW	N/A	126
50	SPILLS	SHELL OIL FACILITY 13629 200605248/CLOSED	288 MIDDLE TPKE W MANCHESTER CT 06040	0.17 NW	N/A	126
50	SPILLS	200002055/CLOSED	288 MIDDLE TPKE W MANCHESTER CT 06040	0.17 NW	N/A	127
50	SPILLS	MOTIVA ENTERPRISES 200401046/CLOSED	288 MIDDLE TPKE W MANCHESTER CT 06040	0.17 NW	N/A	128
50	SPILLS	200502739/CLOSED	288 MIDDLE TPKE W MANCHESTER CT 06040	0.17 NW	N/A	129
51	SPILLS	N.U. 200007975/CLOSED	53 ALEXANDER ST MANCHESTER CT 06040	0.17 SW	N/A	130
52	SPILLS	200805154/CLOSED	333 MIDDLE TPKE W MANCHESTER CT 06042	0.17 NW	N/A	131
53	RCRAGN	C and D CLEANERS CO INC CTD018703678/SGN	299 MIDDLE TPKE W MANCHESTER CT 06042	0.18 NW	N/A	132
53	OTHER	U.S. CLEANERS CTOT-0509-1098/PTP	299 MIDDLE TPKE W MANCHESTER CT 06042	0.18 NW	N/A	133
53	OTHER	C and D CLEANERS COMPANY 4408/PTP	299 MIDDLE TPKE W MANCHESTER CT 06042	0.18 NW	N/A	134
53	STATE	C and D CLEANERS COMPANY 4408/SUSPECTED	299 MIDDLE TPKE W MANCHESTER CT 06042	0.18 NW	N/A	136
54	SPILLS	200207709/CLOSED	270 MIDDLE TPKE W MANCHESTER CT 06040	0.18 NE	N/A	137
54	UST	GETTY S/S 6876 01289/CURRENTLY IN USE	270 MIDDLE TPKE W MANCHESTER CT 06040	0.18 NE	N/A	139
54	SPILLS	MOTIVA ENTER. , LLC. 9908199/CLOSED	270 MIDDLE TPKE W MANCHESTER CT 06040	0.18 NE	N/A	141
54	SPILLS	200104692/CLOSED	270 MIDDLE TPKE W MANCHESTER CT 06040	0.18 NE	N/A	142

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
54	SPILLS	200507526/CLOSED	270 MIDDLE TPKE W MANCHESTER CT 06040	0.18 NE	N/A	143
55	SPILLS	200009560/CLOSED	307 MIDDLE TPKE W MANCHESTER CT 06042	0.18 NW	N/A	144
55	SPILLS	OIL COMPANY 9906249/CLOSED	307 MIDDLE TPKE W MANCHESTER CT 06042	0.18 NW	N/A	145
56	SPILLS	9802462/CLOSED	377 MIDDLE TPKE W MANCHESTER CT 06042	0.18 NW	N/A	146
57	SPILLS	200201954/CLOSED	441 MIDDLE TPKE W MANCHESTER CT 06042	0.19 NW	N/A	147
57	RCRAGN	BATTISTONS OF MANCHESTER INC CTD981205032/SGN	441 MIDDLE TPKE W MANCHESTER CT 06042	0.19 NW	N/A	148
57	SPILLS	PRIVATE VEHICLE 9800409/CLOSED	441 MIDDLE TPKE W MANCHESTER CT 06042	0.19 NW	N/A	149
58	SPILLS	MANCHESTER S T P 931170/CLOSED	15 LINCOLN ST MANCHESTER CT 06040	0.19 SE	N/A	151
59	SPILLS	200207557/CLOSED	66 ESSEX ST MANCHESTER CT 06040	0.19 NE	N/A	152
60	SPILLS	944714/CLOSED	43 LILAC ST MANCHESTER CT 06040	0.20 SE	N/A	154
61	SPILLS	200108818/CLOSED	240 MIDDLE TPKE W MANCHESTER CT 06040	0.21 NE	N/A	155
61	SPILLS	9702517/CLOSED	250 MIDDLE TPKE W MANCHESTER CT 06040	0.21 NE	N/A	156
61	SPILLS	ATLAS OIL CO 9218/CLOSED	240 MIDDLE TPKE W MANCHESTER CT 06040	0.21 NE	N/A	158
61	STATE	MOBIL 01-QQ5 2318/SUSPECTED	240 MIDDLE TPKE W MANCHESTER CT 06040	0.21 NE	N/A	159
61	SPILLS	200805159/CLOSED	240 MIDDLE TPKE W MANCHESTER CT 06040	0.21 NE	N/A	160
61	SPILLS	200802131/CLOSED	240 MIDDLE TPKE W MANCHESTER CT 06040	0.21 NE	N/A	161
61	UST	MOBIL SERVICE STATION 01-QQ5 01114/CURRENTLY IN USE	250 MIDDLE TPKE W MANCHESTER CT 06040	0.21 NE	N/A	163
62	SPILLS	BROOK HAVEN CONDO ASSOCIATION 200206809/CLOSED	426 MIDDLE TPKE E MANCHESTER CT 06040	0.21 NW	N/A	165
63	SPILLS	RLR /JRJ ASSOCIATES 955907/CLOSED	263 MIDDLE TPKE W MANCHESTER CT 06042	0.21 NW	N/A	167
63	SPILLS	953592/CLOSED	263 MIDDLE TPKE W MANCHESTER CT 06042	0.21 NW	N/A	169

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
63	SPILLS	200002276/CLOSED	263 MIDDLE TPKE W MANCHESTER CT 06042	0.21 NW	N/A	170
63	SPILLS	M.V.A 9700104/CLOSED	263 MIDDLE TPKE W MANCHESTER CT 06042	0.21 NW	N/A	171
63	SPILLS	200002332/CLOSED	263 MIDDLE TPKE W MANCHESTER CT 06042	0.21 NW	N/A	172
64	SPILLS	MORANDE FORD 92608/CLOSED	BROAD ST/BIGELOW BRO MANCHESTER CT 06042	0.21 NW	N/A	174
65	SPILLS	MVA 9808721/CLOSED	277 MIDDLE TPKE W MANCHESTER CT 06042	0.21 NW	N/A	175
66	SPILLS	TIRE COUNTRY 200102864/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	176
66	SPILLS	200605704/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	177
66	SPILLS	912698/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	179
66	SPILLS	200303404/CLOSED	BROAD ST and W MIDDLE TPKE MANCHESTER CT 06042	0.21 NE	N/A	180
66	SPILLS	200300592/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	181
66	SPILLS	9800060/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	182
66	SPILLS	200403334/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	183
66	SPILLS	200805946/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	184
66	SPILLS	947120/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	186
66	SPILLS	934411/CLOSED	BROAD ST/WEST MILL MANCHESTER CT 06042	0.21 NE	N/A	188
66	SPILLS	932167/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	190
66	SPILLS	200106736/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	191
66	SPILLS	200404061/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	192
66	SPILLS	200307604/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	193
66	SPILLS	200302170/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	194

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
66	SPILLS	MVA 200300083/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	195
66	SPILLS	MVA 9606749/CLOSED	BROAD ST and MIDDLE TPKE W MANCHESTER CT 06042	0.21 NE	N/A	196
67	SPILLS	OWNER 9806695/CLOSED	58 ESSEX and 53 DURAND ST MANCHESTER CT 06040	0.21 NE	N/A	197
68	SPILLS	200701378/CLOSED	387 MIDDLE TPKE W MANCHESTER CT 06042	0.21 NW	N/A	198
69	SPILLS	UNKNOWN 9901005/CLOSED	40 DURANT ST MANCHESTER CT 06040	0.22 NE	N/A	199
70	SPILLS	200003031/CLOSED	95 ST JOHN ST MANCHESTER CT 06040	0.22 SW	N/A	200
71	SPILLS	200105109/CLOSED	430 MIDDLE TPKE E MANCHESTER CT 06040	0.22 NW	N/A	201
72	SPILLS	9906244/CLOSED	255 MIDDLE TPKE W MANCHESTER CT 06042	0.22 NW	N/A	202
73	SPILLS	9905815/CLOSED	241 MIDDLE TPKE W MANCHESTER CT 06042	0.23 NW	N/A	203
73	SPILLS	200203859/CLOSED	241 MIDDLE TPKE W MANCHESTER CT 06042	0.23 NW	N/A	204
73	SPILLS	UNKNOWN MOTORIST 200200597/CLOSED	241 MIDDLE TPKE W MANCHESTER CT 06042	0.23 NW	N/A	205
73	RCRAGN	CVS PHARMACY 04436 CTR000509224/SGN	241 MIDDLE TPKE W MANCHESTER CT 06042	0.23 NW	N/A	206
74	SPILLS	PRIVATE VEHICLE 200009192/CLOSED	467 CENTER ST MANCHESTER CT 06040	0.23 SW	N/A	206
74	SPILLS	UNK 201005343/CLOSED	467 CENTER ST MANCHESTER CT 06040	0.23 SW	N/A	207
75	UST	HAGEDURN SERVICE STATION 01280/PERMANENTLY CLOSED	230 MIDDLE TPKE W MANCHESTER CT 06040	0.23 NE	N/A	208
75	LUST	CENTER MOTORS 29084/LUST COMPLETED (PROG	230 MIDDLE TPKE W MANCHESTER CT 06040	0.23 NE	N/A	209
75	LUST	CENTER MOTORS 4946/Y	230 MIDDLE TPKE W MANCHESTER CT 06040	0.23 NE	N/A	210
75	LUST	9702272/CLOSED	230 MIDDLE TPKE W MANCHESTER CT 06040	0.23 NE	N/A	211
75	SPILLS	9702272/CLOSED	230 MIDDLE TPKE W MANCHESTER CT 06040	0.23 NE	N/A	212
76	SPILLS	BAMBOO GARDENS 924758/CLOSED	50 OLIVER RD MANCHESTER CT 06042	0.24 NW	N/A	214

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
77	SPILLS	200501330/CLOSED	436 MIDDLE TPKE E MANCHESTER CT 06040	0.24 NW	N/A	215
77	SPILLS	F.D. 9701773/CLOSED	436 MIDDLE TPKE E MANCHESTER CT 06040	0.24 NW	N/A	216
78	SPILLS	MANCHESTER PARKS DEPT 946115/CLOSED	LODGE DR MANCHESTER CT 06040	0.24 NE	N/A	218
79	SPILLS	PREFERRED ENERGY 953393/CLOSED	56 OLIVER RD MANCHESTER CT 06042	0.24 NW	N/A	220
80	SPILLS	PRIVATE VEHICLE 9904792/CLOSED	12 GRISWOLD ST MANCHESTER CT 06040	0.24 SE	N/A	221
81	RCRAGN	TEXACO SERVICE STATION 100042 CTD983874116/SGN	207 MIDDLE TPKE MANCHESTER CT 06042	0.25 NE	N/A	222
82	SPILLS	MVA 200501288/CLOSED	472 CENTER ST MANCHESTER CT 06040	0.25 SE	N/A	223
83	SPILLS	SHALLER AUTO 200805917/CLOSED	506 CENTER ST MANCHESTER CT 06040	0.25 SW	N/A	224
84	STATE	SCHALLER ACURA, INC. 4432/SUSPECTED	345 CENTER ST MANCHESTER CT 06040	0.28 SE	N/A	226
85	LUST	BOB BOLAND 9703689/CLOSED	369 CENTER ST MANCHESTER CT 06040	0.29 SE	N/A	227
86	LUST	MORIARTY BROS. 1291-1295/NO	301 CENTER ST MANCHESTER CT 06040	0.29 SE	N/A	228
86	LUST	MORIARTY BROS. 28402/INVESTIGATION	301 CENTER ST MANCHESTER CT 06040	0.29 SE	N/A	229
87	STATE	MORANDE BROS. INC. 4426/SUSPECTED	293 CENTER ST MANCHESTER CT 06040	0.30 SE	N/A	231
88	LUST	KAULL GARAGE 4431/YES	342 CENTER ST MANCHESTER CT 06040	0.30 SE	N/A	232
89	STATE	A. MICHAEL LUSSIER 4404/SUSPECTED	568 CENTER ST MANCHESTER CT 06040	0.32 SW	N/A	234
90	STATE	J and M GRINDING, INC. 4420/SUSPECTED	266 CENTER ST MANCHESTER CT 06040	0.33 SE	N/A	236
91	LUST	BROOKHAVEN CONDOMINIUMS 200208507/CLOSED	466 MIDDLE TPKE W MANCHESTER CT 06040	0.35 NW	N/A	237
92	LUST	LINDA BUTTERO/ CONTACT PERSON 200605918/CLOSED	115 RUSSELL ST MANCHESTER CT 06040	0.41 NE	N/A	238
93	LUST	DAIRY MART 31677/LUST COMPLETED (PROG	653 CENTER ST MANCHESTER CT 06040	0.48 SW	N/A	239
93	LUST	GULF STATION 29674/PENDING	CENTER ST MANCHESTER CT 06040	0.48 SW	N/A	240

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
93	LUST	GULF STATION 1281-1283/NO	CENTER ST MANCHESTER CT 06040	0.48 SW	N/A	241
94	STATE	LEON PROPERTY 2768/SUSPECTED	75 CENTER ST MANCHESTER CT 06040	0.55 SE	N/A	242
95	STATE	BALF COMPANY 4406/SUSPECTED	587 N MAIN ST MANCHESTER CT 06040	0.65 SE	N/A	244
96	STATE	INDUSTRIAL GRAPHIC CO. 873/SUSPECTED	338 ADAMS ST MANCHESTER CT 06042	0.67 NW	N/A	245
97	STATE	PEARL APPLIANCES 2604/SUSPECTED	649 MAIN ST MANCHESTER CT 06040	0.69 SE	N/A	246
98	STATE	CHENEY BROS. 727/SUSPECTED	182 PINE ST MANCHESTER CT 06040	0.70 SE	N/A	248
99	STATE	CHRISTY S MARKET 2093/SUSPECTED	706 MAIN ST MANCHESTER CT 06040	0.71 SE	N/A	249
100	STATE	SNET 4435/SUSPECTED	52 E CENTER ST MANCHESTER CT 06040	0.71 SE	N/A	251
101	STATE	ANDERSON S GULF 2775/SUSPECTED	770 MAIN ST MANCHESTER CT 06040	0.73 SE	N/A	252
102	STATE	MAL TOOL 4422/SUSPECTED	273 ADAMS ST MANCHESTER CT 06042	0.76 NW	N/A	254
103	STATE	PRATT and WHITNEY AIRCRAFT 1327/SUSPECTED	15 HALE CT MANCHESTER CT 06040	0.79 SE	N/A	256
103	RCRACOR	PRATT and WHITNEY ENGINE DIV CTD000844324/CA	PINE ST MANCHESTER CT 06040	0.79 SE	N/A	258
104	STATE	MOBIL 01-QQM 2324/SUSPECTED	427 HARTFORD RD MANCHESTER CT 06040	0.84 SW	N/A	259
105	STATE	CT CYCLE ACCESSORIES, INC 1099/SUSPECTED	316 HARTFORD RD MANCHESTER CT 06040	0.86 SE	N/A	260
106	STATE	MANCHESTER TOOL and DESIGN 1072/SUSPECTED	130 HARTFORD RD MANCHESTER CT 06040	0.87 SE	N/A	261
107	STATE	SIFCO SELECTIVE PLATING 4433/SUSPECTED	61 WOODLAND ST MANCHESTER CT 06042	0.90 NE	N/A	263
108	STATE	EDWARD JARVIS, INC. 3299/SUSPECTED	375 NEW STATE RD MANCHESTER CT 06042	0.96 NW	N/A	265
109	STATE	REGIUS PROPERTY 4430/SUSPECTED	21 AND 59-61 LOOMIS ST MANCHESTER CT 06042	0.97 NE	N/A	268
110	STATE	REGIUS PROPERTY 4431/SUSPECTED	81 LOOMIS ST MANCHESTER CT 06042	0.98 NW	N/A	270
111	STATE	HILLIARD STORAGE and WAREHOUSI 4417/SUSPECTED	104 HILLIARD ST MANCHESTER CT 06042	0.99 NE	N/A	272

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SPILLS	201002303/CLOSED	MIDDLE TPKE W and DEERFIELD MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	95484/CLOSED	CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200107949/CLOSED	E CENTER POLE 1911 ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200107950/CLOSED	E CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200109734/CLOSED	W MIDDLE TURNPIKE AT FOXCRO MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200108894/CLOSED	BROAD ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200105627/CLOSED	WOODBRIDGE AND LITTLE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200003759/CLOSED	W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200802026/CLOSED	EAST MIDDLE TPKE and CHARLE MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	201000534/CLOSED	E CENTER ST and WALKER ST MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	9907555/CLOSED	E MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	201000561/CLOSED	E CENTER ST and LENOX ST MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	201003580/CLOSED	PARKER ST and EAST MIDDLE T MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	201004688/CLOSED	MAIN and EAST MIDDLE TPKE MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	9800283/CLOSED	W MIDDLE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200905854/CLOSED	CENTER ST and BROAD ST MANCHESTER CT	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-06040	UNKNOWN CT 06040	NON GC	N/A	N/A
	SPILLS	200905097/CLOSED	MIDDLE TPKE W and ADAMS ST MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	200904499/CLOSED	HARTFORD RD and W CENTER ST MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	201000519/CLOSED	MIDDLE TPKE W ON TOP OF I-8 MANCHESTER CT	NON GC	N/A	N/A

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SPILLS	933973/CLOSED	CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	STANLEY HILIMSKI RESIDENCE 30480/LUST COMPLETED (PROG	89 GRATH RD MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	SHELL STATION 30418/CLEANUP INITIATED	161 TALCOTTEVILLE RD MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	SHELL STATION 1297-1299/NO	TALCOTTEVILLE RD MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	SAA 200904811/CLOSED	131 CHAPEL ROAD MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	MICHAEL GRANT 9901208/CLOSED	55 MORRIS ST MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	JOSEPH RUSSO 200008281/CLOSED	5557 N ELM ST MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	J and R MOBIL STATION 35728/PENDING	TOLLAND TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	GAS STATION 38956 45700/CLEANUP INITIATED	UNKNOWN MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	BRUCE SIMINS HARTFORD DISPENSI 200905335/CLOSED	331 BROAD ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	924704/CLOSED	W MIDDLE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	201005718/CLOSED	EAST MIDDLE TPKE and PLAZA MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	9705510/CLOSED	W MIDDLE ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	912249/CLOSED	WEST CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	201005986/CLOSED	239 E MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	LUST	EVELYN FARREELL 201004221/CLOSED	1556 TORTOISE ST MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	200906051/CLOSED	I-84 EAST ON RAMP FROM WEST MANCHESTER CT	NON GC	N/A	N/A
	OTHER	ALLIED PRINTING SERVICES, INC. CTOT-0509-1915/PTP	579 W MIDDLE TPKE MANCHESTER CT 06042	NON GC	N/A	N/A
	OTHER	MORANDE LINCOLN / MERCURY / MA CTOT-0509-1082/PTP	293 293-315 CENTER and 415 MANCHESTER CT	NON GC	N/A	N/A
	OTHER	MORANDE BROTHERS INC. CTOT-0509-1081/PTP	293 293-315 CENTER and 410 MANCHESTER CT	NON GC	N/A	N/A

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SWL	CTSW-AC-01-18/ACTIVE	OLCOTT ROAD MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	SAA 200603516/CLOSED	W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200308800/CLOSED	W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200400041/CLOSED	COOPER HILL and W CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200206859/CLOSED	W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200204737/CLOSED	W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200204515/CLOSED	E MIDDLE TURNPIKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	UNKNOWN 200804563/CLOSED	MIDDLE TPKE W MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	UNKNOWN 9702418/CLOSED	W MIDDLE TPK MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	201004317/CLOSED	1006 W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	UNKNOWN 200103842/CLOSED	E CENTER TO 400 VERNON ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200500001/CLOSED	CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	PRIVATE VEHICLE 9908101/CLOSED	W CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	SAA 9807530/CLOSED	MIDDLE TPKE W MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	CLandP 200304745/CLOSED	BROAD ST MANCHESTER CT 06040	NON GC	N/A	N/A
	RCRANLR	MOTIVA ENTERPRISES LLC CTD983874116/NLR	207 W MIDDLE TPKE MANCHESTER CT 06042	NON GC	N/A	N/A
	LUST	UNION POND 45044/PENDING	KERRY ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	MVA 200009068/CLOSED	W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	MARK SCHAEFFER 200502732/CLOSED	GLASS TOWER MILL APTS MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	EXXON MOBIL STORE QQ5 201003157/CLOSED	240 W MIDDLE TURN PIKE MANCHESTER CT 06040	NON GC	N/A	N/A

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SPILLS	UNKNOWN 9800747/CLOSED	W MIDDLE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200403143/CLOSED	EAST CENTER MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	201003099/CLOSED	WOODBRIDGE and EAST CENTER MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	201003309/CLOSED	MIDDLE TPKE WEST and TOWER MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	200906348/CLOSED	ADAMS ST and WEST MIDDLE TR MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	200903553/CLOSED	MCKEE ST and W CENTER ST MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	201005879/CLOSED	240 MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	DYNAMIC AUTO 200902726/CLOSED	W MIDDLE TPKE and BROAD ST. MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	201005372/CLOSED	730 W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200206943/CLOSED	W MIDDLE TRNPK ESSEX TO BRO MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200403740/CLOSED	MCKEE and W CENTER MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200402166/CLOSED	COOPER and W CENTER MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200501014/CLOSED	MIDDLE TPK 1 MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200406177/CLOSED	W MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200504851/CLOSED	E MIDDLE ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200707483/CLOSED	MIDDLE TPKE W MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200800605/CLOSED	E CENTER ST MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200800734/CLOSED	E PARKER CENTER MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200506354/CLOSED	MIDDLE TPKE MANCHESTER CT 06040	NON GC	N/A	N/A
	SPILLS	200507651/CLOSED	CENTER ST and MKEE MANCHESTER CT 06040	NON GC	N/A	N/A

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

NON GEOCODED: 82 **TOTAL:** 303 GEOCODED: 221 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	SPILLS	201002635/CLOSED	MIDDLE TURNPIKE and SUMMITT MANCHESTER CT	NON GC	N/A	N/A
	SPILLS	200207753/CLOSED	W MIDDLE TPKE BY WICKEM PAR MANCHESTER CT 06040	NON GC	N/A	N/A

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 156 **DIST/DIR:** 0.00 -- **ELEVATION:** 148 **MAP ID:** 1

 NAME:
 REV:
 11/18/10

 ADDRESS:
 308 BROAD ST
 ID1:
 200705632

308 BROAD ST ID1: 2007/05632 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 8/31/2007
TIME OF RELEASE: 7:40:00 PM
ACTION: CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 8:18:00 PM **REPORTED BY:** ROSS **REPORTER S PHONE:** 6656421

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: OTHER

EMERGENCY MEASURES: CLandP TO CLEAN

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 55 **DIST/DIR:** 0.00 -- **ELEVATION:** 148 **MAP ID:** 1

NAME: M.V.A REV: 11/18/10

ADDRESS: 308 BROAD ST ID1: 200003607

MANCHESTER CT ID2: STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 5/24/2000

TIME OF RELEASE:

ACTION: CONTAINED

**DISHCHARGER:** M.V.A

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: NO

SITE INFORMATION

**DATE OF RELEASE:** 5/24/2000

TIME OF RELEASE:

ACTION: SANDED

**DISHCHARGER:** M.V.A

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: NO

**REPORT TIME:** 5/24/2000 4:11:28 PM

REPORTED BY: MANCHESTER FIRE DISPATCH

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE QUANTITY SPILLED: 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: M.V.A - 2 - GALLONS OF ANTIFREEZE DISCHARGED - SANDED BY FIRE DEPARTMENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 158 **DIST/DIR:** 0.00 -- **ELEVATION:** 138 **MAP ID:** 2

 NAME:
 REV:
 3/13/01

 ADDRESS:
 344 BROAD ST
 ID1:
 95114

MANCHESTER CT 06040 ID2: 95114

HARTFORD STATUS: CLOSED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

**REPORT DATE:** 01/09/95 **REPORT TIME:** 11

ACTUAL TIME: 0

**REPORTER:** FIRE DEPT

**WORK PHONE:** 203 647 3262

HOME PHONE:

**POLE NUMBER:** 

INCIDENT TYPE: CHEMICAL DISCHARGED: ANTIFREEZE

GALLONS: 2 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 01/09/95 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION:

WATERBODY: RIVER: LIS: TRIBUTARY: CATCH BASIN: POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE:

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: 2

RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: CONTAINED/REMOVED

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: Y NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE WASTE BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

CLOSED

**SEARCH ID:** 158 **DIST/DIR:** 0.00 -- **ELEVATION:** 138 **MAP ID:** 2

 NAME:
 REV:
 3/13/01

 ADDRESS:
 344 BROAD ST
 ID1:
 95114

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: ONTACT: PHONE:

CONTACT: PHONE SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED OTHER:

NOTIFIED STATE AGENCIES: NOTIFICATION DATE: 01/09/95

**NOTIFICATION TIME:** 110 **DISCHARGE CLASS:** PRIVATE

CAUSE: MOTOR VEHICLE ACCIDENT

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

GOTHBERG

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

ASSIGNED DATE:
ASSIGNED DATE:
NOT 911 EMERGENCY:
CT EMERGENCY SPILLFUND USED:
CASE NUMBER:
CASE NUMBER:

CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

QUAN FET:

 ${\bf MISCELLANEOUS\ INFORMATION:}$ 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

PERMANENTLY CLOSED

**SEARCH ID:** 203 **DIST/DIR:** 0.00 -- **ELEVATION:** 138 **MAP ID:** 2

 NAME:
 MR. AUTO WASH
 REV:
 10/5/10

 ADDRESS:
 344 BROAD ST
 ID1:
 01241

 MANNIUS TERRICO CO (00)
 77,1341

MANCHESTER CT 06040 ID2: 77-1241

HARTFORD STATUS: CONTACT: PHONE:

CONTACT: PHONE SOURCE: CT DEP

TOTAL NUMBER OF TANKS: 3

SITE INFORMATION

**FACILITY ID:** 01241

**TANK ID:** 1241-

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 8/1/1969
 DATE LAST USED:
 5/1/1988

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01241

**TANK ID:** 1241-2

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 8/1/1969
 DATE LAST USED:
 5/1/1988

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01241

**TANK ID:** 1241-3

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 8/1/1969
 DATE LAST USED:
 5/1/1988

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 61 **DIST/DIR:** 0.00 --**ELEVATION:** 138 **MAP ID:** 2

NAME: MISTER AUTO WASH REV: 3/13/01 ADDRESS: 344 BROAD ST ID1: 953430

MANCHESTER CT 06040

ID2: HARTFORD STATUS: CLOSED

CONTACT: MISTER AUTO WASH PHONE: 203 645 6767 **SOURCE:** CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 934

REPORT DATE: REPORT TIME: 06/28/95

**ACTUAL TIME:** REPORTER: SCOTT KEHOE

**SELF** 

WORK PHONE: 203 474 8978

**HOME PHONE:** 

**POLE NUMBER:** 

**INCIDENT TYPE: PETROLEUM** DISCHARGED: WASTE OIL

**GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP:** REP OUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 06/28/95 DATE UNKNOWN: **CONTINUOUS SPILL:** SPILL TIME: RELEASE TERMINATED: **ONGOING RELEASE:** Y

UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION: DUMPING OIL/CAR WASH WATER INTO SANITARY SEWER

WATERBODY: RIVER: TRIBUTARY: LIS: **CATCH BASIN:** Y POND:

AIR: SURFACE WATER: Y

**GROUND WATER: GROUND SURFACE:** INSIDE BUILDING: OTHER AREA:

TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED:

MISTER AUTO WASH RESPONSIBLE PARTY: 344 BROAD ST

MANCHESTER CT 6040

PHONE: 203 645 6767 ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

**CLEANUP ACTION TAKEN:** 

**DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 61 **DIST/DIR:** 0.00 --**ELEVATION:** 138 **MAP ID:** 2

NAME: MISTER AUTO WASH REV: 3/13/01 953430 ADDRESS: 344 BROAD ST ID1:

MANCHESTER CT 06040

ID2: HARTFORD STATUS: CLOSED CONTACT: MISTER AUTO WASH PHONE: 203 645 6767

**SOURCE:** CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

**NOTIFIED P-F:** NOTIFIED F-W: NOTIFIED OPS: NOTIFIED OTHER: NOTIFIED STATE AGENCIES: NOTIFICATION DATE:

**NOTIFICATION TIME:** 

DISCHARGE CLASS: COMMERCIAL

**CAUSE:** ILLEGAL DISCHARGE

CORRECTIVE ACTION TAKEN: NONE REQUIRED

CONTRACTOR: **CONT NAME:** DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED: SECOND REQUEST: ARRIVED: ARRIVED SECOND TIME: RECEIVED BY: **BADGE NUMBER:** ALEXANDER ASSIGNED DATE: 06/28/95 ASSIGNED TIME: **NOT 911 EMERGENCY:** NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: **CASE NUMBER 2:** FED GOV PAID:

COST RECOVERY EXPENDITURE: PIN:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER: **OWNERS NAME: OPERATORS NAME:** MAKE OF VEHICLE: VEHICLE MODEL: TRUCK REGISTRATION:

**UPDATED WITH INSPECTORS REPORT:** TRAILER REGISTRATION:

DATE UPDATED: 06/28/95 COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION: NOTHING FOUND

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 72 **ELEVATION: DIST/DIR:** 0.00 --148 **MAP ID:** 3

NAME: MVA

REV: 11/18/10 **ADDRESS:** 324 BROAD ST 200502381 ID1:

MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/21/2005

TIME OF RELEASE:

**ACTION:** CLEANED

DISHCHARGER: MVA

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 4/21/2005

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: MVA

CT

MV ACCIDENT

**DISCHARGER S PHONE:** 

CAUSE OF INCIDENT:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 4/21/2005 9:55:24 AM REPORTED BY: DISP OCONNOR

**REPORTER S PHONE:** 5338625

MATERIAL RELEASED: MOTOR OIL **QUANTITY SPILLED:** 1 GAL

**EMERGENCY MEASURES:** SPEEDY DRIED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 137 **DIST/DIR:** 0.00 --**ELEVATION:** 144 **MAP ID:** 4

REV: NAME: 11/18/10 ADDRESS: 340 BROAD ST

200306527 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/5/2003

TIME OF RELEASE:

**ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 9/5/2003 6:38:14 PM REPORTED BY: SGT BEELER REPORTER S PHONE: 8415333

BUILDING MATERIALS MATERIAL RELEASED:

CAUSE OF INCIDENT: DUMPING

EMERGENCY MEASURES: DETAINED SUBJECT DUMPING SHEET ROCK AND BUILDING MATERIALS INTO BROOK BEHIND THE

MANCHESTER PARCADE AREA TOWN REQUIRED TO REMOVE MATERIALS BY P.D.

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 85 **ELEVATION: DIST/DIR:** 0.00 --144 **MAP ID:** 4

REV: NAME: SAA 11/18/10 ADDRESS: 340 BROAD ST

200806574 ID1:

MANCHESTER CT ID2: STATUS: HARTFORD CLOSED

CONTACT: 938 PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/16/2008

TIME OF RELEASE:

**ACTION:** OTHER

DISHCHARGER: SAA

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 10/16/2008

TIME OF RELEASE:

**ACTION:** CONTRACTED

DISHCHARGER: SAA

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 10/16/2008 11:38:10 AM

REPORTED BY: KEN HINES **REPORTER S PHONE:** 2501926

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:** 30 GAL

CAUSE OF INCIDENT: TRANS/CAPAC.

**EMERGENCY MEASURES:** ESI RETAINED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 155 **DIST/DIR:** 0.00 --**ELEVATION:** MAP ID: 150 5

**REV:** NAME: 11/18/10 ADDRESS: 314 BROAD ST

200104332 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 6/16/2001 TIME OF RELEASE: 3:49:00 PM

**ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 3:49:00 PM REPORTED BY: DISPATCHER REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 10 GAL

MV ACCIDENT CAUSE OF INCIDENT:

EMERGENCY MEASURES: SPEEDY DRYED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 157 **DIST/DIR:** 0.00 --**ELEVATION:** MAP ID: 147 6

REV: NAME: 11/18/10 **ADDRESS:** 304 BROAD ST

200806700 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/21/2008

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 10/21/2008 4:19:46 PM

REPORTED BY: DOLLEY REPORTER S PHONE: 5338635

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** RADIATOR FLUID.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 204 **DIST/DIR:** 0.00 -- **ELEVATION:** 143 **MAP ID:** 7

 NAME:
 SEAR S AUTOMOTIVE
 REV:
 10/5/10

 ADDRESS:
 BROAD ST
 ID1:
 01126

MANCHESTER CT 06040 ID2: 77-1126

HARTFORD STATUS: PERMANENTLY CLOSED

CONTACT: PHONE:

SOURCE: CT DEP

TOTAL NUMBER OF TANKS: 7

SITE INFORMATION

FACILITY ID: 01126

**TANK ID:** 1126-

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 5/1/1963
 DATE LAST USED:
 1/1/1991

 SUBSTANCE STORED:
 USED OIL
 CAPACITY (GALS):
 500

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01126

**TANK ID:** 1126-2

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 5/1/1963
 DATE LAST USED:
 6/1/1972

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 5000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION: PIPE MATERIAL: PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01126

**TANK ID:** 1126-3

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 5/1/1963
 DATE LAST USED:
 6/1/1972

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 5000

**TANK MATERIAL:** ASPHALT COATED OR BARE STEEL **TANK PROTECTION: PIPE MATERIAL:** PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01126

**TANK ID:** 1126-4

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 5/1/1963
 DATE LAST USED:
 6/1/1972

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 5000

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 5000
TANK MATERIAL: ASPHALT COATED OR BARE STEEL PIPE MATERIAL: PIPE PROTECTION: PIPE PROTECTION:

- Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**UST** 

**SEARCH ID:** 204 **DIST/DIR:** 0.00 --**ELEVATION:** 143 MAP ID: 7

NAME: SEAR S AUTOMOTIVE REV: 10/5/10 ADDRESS: BROAD ST ID1: 01126

MANCHESTER CT 06040 77-1126 ID2:

HARTFORD STATUS: PERMANENTLY CLOSED

**CONTACT:** PHONE: **SOURCE:** CT DEP

SITE INFORMATION

**FACILITY ID:** 01126

TANK ID: 1126-5

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

DATE INSTALLED: 5/1/1963 DATE LAST USED: 6/1/1972 SUBSTANCE STORED: GASOLINE **CAPACITY (GALS):** 5000

ASPHALT COATED OR BARE STEEL TANK MATERIAL: TANK PROTECTION: PIPE MATERIAL: PIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01126

TANK ID: 1126-6

PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL TANK STATUS:

DATE INSTALLED: 5/1/1963 DATE LAST USED: 6/1/1972 GASOLINE SUBSTANCE STORED: **CAPACITY (GALS):** 5000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION: PIPE MATERIAL: PIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01126

TANK ID: 1126-7 PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL TANK STATUS:

DATE INSTALLED: 5/1/1956 DATE LAST USED: 1/1/1984 SUBSTANCE STORED: HEATING OIL **CAPACITY (GALS):** 10000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION:

PIPE MATERIAL: PIPE PROTECTION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**OTHER** 

**SEARCH ID:** 192 **DIST/DIR:** 0.01 NE **ELEVATION:** 142 **MAP ID:** 8

NAME: STOP and SHOP ERRAND EXPRESS REV: 4/23/10

**ADDRESS:** 286 BROAD ST **ID1:** CTOT-0410-58

MANCHESTER CT ID2:

HARTFORD STATUS: PTP

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

TRANSFEROR (SELLER): DDR SOUTHEAST MANCHESTER, LLC

TRANSFEREE (BUYER): SARA LIGHTING, INC.

CERTIFYING PARTY (CP): DDR SOUTHEAST MANCHESTER, LLC

CP ATTENTION PERSON: DANIEL E. BRANIGAN TITLE OF CP: VICE PRESIDENT

CP ADDRESS: 3300 ENTERPRISE PARKWAY

BEACHWOOD, OH 44122

FORM:

**DATE RECEIVED:** 8/12/2009

 **DATE ACKNOWLEDGED:** 8/21/2009

 **DETERMINATION DATE:** 9/16/2009

**Target Property:** 334 BROAD ST JOB: 05.P000408.11 MANCHESTER CT 06040 **SPILLS SEARCH ID:** 93 **DIST/DIR:** 0.01 NE **ELEVATION:** 142 **MAP ID:** 8 NAME: STOP and SHOP, INC REV: 3/13/01 ADDRESS: 286 BROAD ST ID1: 912760 MANCHESTER CT 06040 ID2: STATUS: CLOSED CONTACT: STOP and SHOP, INC PHONE: 203 772 2310 **SOURCE:** CT DEP SITE INFORMATION INSPECTOR S BADGE NUMBER: 924 REPORT DATE: REPORT TIME: 07/16/91 **ACTUAL TIME:** REPORTER: ROSE MARIE MATURIELLO STOP and SHOP 300 MONTEWESE AVE NORTH HAVEN CT 6473 WORK PHONE: 203 772 2310 HOME PHONE: **POLE NUMBER: INCIDENT TYPE:** PETROLEUM DISCHARGED: HYDRAULIC OIL **GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL: ACROSS PROPERTY LINES: CERCLA: **EMERGENCY CLEANUP: REP QUAN:** TOTAL POUNDS: **DESCRIPTION:** DATE: 07/16/91 **DATE UNKNOWN: CONTINUOUS SPILL:** SPILL TIME: 830 RELEASE TERMINATED: Y **ONGOING RELEASE:** UNKNOWN: CONTAINED: ADDITIONAL INFORMATION: WATERBODY: SURFACE RIVER: TRIBUTARY: LIS: **CATCH BASIN:** POND: AIR: SURFACE WATER: **GROUND WATER: GROUND SURFACE:** INSIDE BUILDING: OTHER AREA:

TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED: STOP and SHOP, INC RESPONSIBLE PARTY:

> 300 MONTWESE AVE NORTH HAVEN CT 6050

ACCEPT RESPONSIBILITY: PHONE: 203 772 2310 Y

POLLUTER UNKNOWN: CLEANUP ACTION TAKEN: REMOVED

**DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE: NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: Y NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 93 DIST/DIR: 0.01 NE ELEVATION: 142 MAP ID: 8

 NAME:
 STOP and SHOP, INC
 REV:
 3/13/01

 ADDRESS:
 286 BROAD ST
 ID1:
 912760

MANCHESTER CT 06040 ID2:

CONTACT: STOP and SHOP, INC STATUS: CLOSED PHONE: 203 772 2310

SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED OTHER:

NOTIFIED STATE AGENCIES: NOTIFICATION DATE: 07/16/91

NOTIFICATION TIME: 93

**DISCHARGE CLASS:** COMMERCIAL

CAUSE: HOSE FAILURE

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED

CONTRACTOR: Y CONT NAME: IN-HOUSE

**DID DEP HIRE CONT:** N **HIRE DATE:** 

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ACETO

BADGE NUMBER:

924

ASSIGNED DATE: 07/16/91 ASSIGNED TIME: 9 4
NOT 911 EMERGENCY: NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

QUAN FET:

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 89 **ELEVATION: DIST/DIR:** 0.01 NE 142 MAP ID: 8

NAME: SAME

REV: 11/18/10 **ADDRESS:** 286 BROAD ST 9704168 ID1:

MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE:

**SOURCE:** CT DEP

SITE INFORMATION

DATE OF RELEASE: 7/31/1997 TIME OF RELEASE: 8:00:00 AM **ACTION:** CLEANED

DISHCHARGER: SAME

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 8:25:00 AM REPORTED BY: ROBERT LEWIS

REPORTER S PHONE: 2495895

TRANSFORMER FLUID NON-PCB MATERIAL RELEASED:

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: TRANS/CAPAC.

EMERGENCY MEASURES: SANDED AND CLEANED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID: ELEVATION:** 160 **DIST/DIR:** 0.01 NE 142 **MAP ID:** 8

REV: NAME: 11/18/10 ADDRESS: 286 BROAD ST

200508033 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 11/24/2005

TIME OF RELEASE:

**ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 11/24/2005

TIME OF RELEASE:

**ACTION:** 21

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 11/24/2005 10:31:20 AM

REPORTED BY: OCCONER REPORTER S PHONE: 5338625

MATERIAL RELEASED: DIESEL FUEL CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** 300-400 FOOT SLICK

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**ERNS** 

SEARCH ID: 16 DIST/DIR: 0.01 NE ELEVATION: 142 MAP ID: 8

 NAME:
 STOP and SHOP
 REV:
 1/15/95

 ADDRESS:
 286 BROAD ST
 ID1:
 411473

286 BROAD ST **ID1:** 411473 MANCHESTER CT 06040 **ID2:** 

STATUS: HIGHWAY RELATED

CONTACT: PHONE: SOURCE: EPA

SPILL INFORMATION

**DATE OF SPILL:** 1/15/95 **TIME OF SPILL:** 1430

**PRODUCT RELEASED (1):** GASOLINE: AUTOMOTIVE (UNLEADED)

**QUANTITY (1):** 10 UNITS (1): GAL

PRODUCT RELEASED (2):

QUANTITY (2): UNITS (2):

PRODUCT RELEASED (3):

QUANTITY (3): UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR: NO GROUNDWATER: NO LAND: YES FIXED FACILITY: NO WATER: NO OTHER: NO WATERBODY AFFECTED BY RELEASE: ASPHALT>STORM DRAIN

CAUSE OF RELEASE

DUMPING:NOEQUIPMENT FAILURE:NONATURAL PHENOMENON:NOOPERATOR ERROR:NOOTHER CAUSE:NOTRANSP. ACCIDENT:NOUNKNOWN:NO

ACTIONS TAKEN: SECURED DISCHARGE/ BOOM DEPLOYED RECOVERY IS UNDERWAY

RELEASE DETECTION: EMPLOYEE AUTO/ LEAKED FUEL DUE FAILED TANK

MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 411473 DUN and BRADSTREET:

**TYPE OF DISCHARGER:** PRIVATE ENTERPRISE NAME OF DISCHARGER: STOP and SHOP

ADDRESS: 300 MONTOWESE AVE POB 333

NORTH HAVEN CT 06473

334 BROAD ST **Target Property:** JOB: 05.P000408.11

MANCHESTER CT 06040

**ERNS** 

**SEARCH ID: DIST/DIR:** 0.01 NE **ELEVATION:** 15 142 MAP ID: 8

**REV:** NAME: STOP and SHOP 01-20-98 ADDRESS: 300 MONTOWESE POB 333 AVE

D50420 ID1: MANCHESTER CT 06040 ID2:

STATUS: HIGHWAY

CONTACT: PHONE: SOURCE: EPA

CERCLIS (Y/N):

MAT: GASOLINE: AUTOMOTIVE (UNLEADED) **QUANT:** 10.00 GALLONS

LOCATION: 286 BROAD STREET

CITY: NORTH HAVEN CT 06473 REPORTED: 01-18-95

SOURCE: HIGHWAY **MEDIUM:** LAND

> EMPLOYEE AUTO EQUIP FAILURE

**CAUSE:** EMPLOYEE AUTO/ LEAKED FUEL DUE FAILED TANK

SECURED DISCHARGE/ BOOM DEPLOYED RECOVERY IS UNDERWAY ACT:

BY: DEP

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 161 **ELEVATION: DIST/DIR:** 0.01 NE 142 MAP ID: 8

REV: NAME: 11/18/10 ADDRESS: 286 BROAD ST

200405040 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 7/24/2004 TIME OF RELEASE: 5:35:00 PM **ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 7/24/2004 5:35:16 PM

REPORTED BY: GARISON REPORTER S PHONE: 6455500

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: LESS THAN TWO GALLONS/ NO WATERWAYS/ LEFT IT IN PLACE

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 9 **DIST/DIR:** 0.01 NE **ELEVATION:** 142 **MAP ID:** 8

 NAME:
 STOP and SHOP
 REV:
 11/10/10

 ADDRESS:
 286 BROAD ST
 ID1:
 CT5000001990

STATUS: SGN

CONTACT: PHONE: SOURCE: EPA

#### SITE INFORMATION

#### **UNIVERSE INFORMATION:**

 $GOVERNMENT\ PERFORMANCE\ AND\ RESULTS\ ACT\ (GPRA)$ 

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

 GPRA PERMIT:
 N - NO

 GPRA POST CLOSURE:
 N - NO

 GPRA CA:
 N - NO

 GPRA COMPLIANCE MONITORING and ENFORCEMENT:
 N - NO

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

 SUBJCA:
 N - NO

 SUBJCA TSD 3004:
 N - NO

 SUBJCA NON TSD:
 N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: ---CLOSURE WORKLOAD: ---POST CLOSURE WORKLOAD: ---PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: CORRECTIVE ACTION WORKLOAD: N - NO

GENERATOR STATUS: SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000

KG/MONTH OF HAZARDOUS WASTE

#### NAIC INFORMATION

#### **ENFORCEMENT INFORMATION:**

#### **VIOLATION INFORMATION:**

#### **HAZARDOUS WASTE INFORMATION:**

Silver

**SPILLS** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

 SEARCH ID:
 166
 DIST/DIR:
 0.01 NE
 ELEVATION:
 142
 MAP ID:
 8

 NAME:
 REV:
 3/13/01

 ADDRESS:
 286 BROAD ST
 ID1:
 95363

MANCHESTER CT 06040 ID2: STATUS: OPEN

CONTACT: PHONE: SOURCE: CT DEP

**SITE INFORMATION** 

INSPECTOR'S BADGE NUMBER: 913

 REPORT DATE:
 01/15/95
 REPORT TIME:
 14

 ACTUAL TIME:
 36

REPORTER: JIM SCHUTZ FIRE DEPT

**WORK PHONE:** 203 647 3262

HOME PHONE: POLE NUMBER:

INCIDENT TYPE: PETROLEUM DISCHARGED: GASOLINE

GALLONS: YARDS:
POUNDS: CON:
DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 01/15/95 DATE UNKNOWN: CONTINUOUS SPILL: SPILL TIME: RELEASE TERMINATED: Y ONGOING RELEASE:

UNKNOWN: CONTAINED:

**ADDITIONAL INFORMATION:** LEAKING M/V

WATERBODY:
LIS:
CATCH PASIN.
V
RIVER:
TRIBUTARY:
POND.

CATCH BASIN: Y POND:
AIR: SURFACE WATER: Y

GROUND WATER: GROUND SURFACE: INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: 10 TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN: CLEANUP ACTION TAKEN:

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:
NOTIFIED STATE WATER BUREAU:
NOTIFIED STATE AIR BUREAU:
NOTIFIED WEED HAZ WASTE:
NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 166 DIST/DIR: 0.01 NE ELEVATION: 142 MAP ID: 8

 NAME:
 REV:
 3/13/01

 ADDRESS:
 286 BROAD ST
 ID1:
 95363

MANCHESTER CT 06040 ID2:
STATUS: OPEN

CONTACT: PHONE: SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

**DISCHARGE CLASS:** PRIVATE

CAUSE: FUEL TANK FAILURE

CORRECTIVE ACTION TAKEN:

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

NOT 911 EMERGENCY:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

913

ASSIGNED TIME:

14 51

NOT 911 EMERGENCY:

NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY: QUAN FET:

 ${\bf MISCELLANEOUS\ INFORMATION:}$ 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 159 **DIST/DIR:** 0.01 NE **ELEVATION:** 142 **MAP ID:** 8

REV: NAME: 11/18/10 ADDRESS: 286 BROAD ST

200604129 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 7/8/2006 TIME OF RELEASE: 12:52:00 AM **ACTION:** CONTRACTED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 7/8/2006 TIME OF RELEASE: 12:52:00 AM **ACTION:** REFERRED

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

REPORT TIME: 7/9/2006 12:52:40 AM

REPORTED BY: KEN REPORTER S PHONE: 2501926

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:**  $40~\mathrm{GAL}$ 

CAUSE OF INCIDENT: SEEPAGE

**EMERGENCY MEASURES:** CONTRACTED REFERRED TO 912, SPILL IN VAULT, NO DRAINS.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 18 **DIST/DIR:** 0.02 NE **ELEVATION:** 144 **MAP ID:** 9

 NAME:
 ABILITY MACHINE and TOOL CO
 REV:
 4/23/10

 ADDRESS:
 315 BROAD ST
 ID1:
 219

MANCHESTER CT

ID2: CTD983869074

STATUS: INVENTORY

CONTACT: PHONE:

SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: NCHLR VOC - NON CHLORINATED VOLATILE ORGANIC COMPOUNDS

WASTE TYPE2: METALS WASTE TYPE3: TUMBLING

**DISPOSAL METHOD:** DRY WELL DRUMS

SAMPLE AVAILABLE: NO
LOCATION METHOD: MAP
OTHER DEP: WCU, RCRA
UPDATED BY: DANYLUK, M.
UPDATED PROGRAM: FPRE

**UPDATED:** 12/16/1992 **SW CLASSIFICATION:** A

**GW CLASSIFICATION:** GB - HIGH YIELD - N.P.P.

**COMMENTS:** \*CONTAINED LEAD 50 GAL/DAY. DRYWELL USED UNTIL 1984 WHEN COMPANY MOVED. ADDRESS GIVEN AS 315 BROAD STREET ON INVENTORY AND 315 BROAD STREET ON CERCLIS - THE CORRECT ADDRESS IS 311

RCRA PERMIT:

BROAD STREET.

SITE NAMES

**COMMENTS:** 

FEDERAL INFORMATION

ON CERCLIS:YESEPI SITE:NOARCHIVE:NOARCHIVE DATE:EPA REMOVAL:NODEFERRED:NOON NPL:NOPART NPL:NO

RCRA STAT: FED FAC: NO

INVENTORY INFORMATION

REQUEST STAFF: DEP PROGRAM: SUPERFUND

 DATE ADDED:
 7/6/1987
 ON INVENTORY:
 YES

 ASSESSED:
 YES
 87 GROUP:
 EN

 87 ORIGIN:
 INVENTORY
 ON 87:
 YES

**GAO INFORMATION** 

SURVEY STAFF: DANYLUK, M. GAO RANK: H
DEP STATUS: COMMENTS: YES

PTP FORM: FORM RECEIVED: PTP STAT: PTP STAFF: ECAF RECEIVED: OVERSIGHT:

**DETERMINATION DATE:** ON SPL: NO

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

NO

**SEARCH ID:** 18 **DIST/DIR:** 0.02 NE **ELEVATION:** 144 **MAP ID:** 9

 NAME:
 ABILITY MACHINE and TOOL CO
 REV:
 4/23/10

 ADDRESS:
 315 BROAD ST
 ID1:
 219

MANCHESTER CT ID2: CTD983869074
STATUS: INVENTORY

CONTACT: PHONE:

SOURCE: CT DEP

SRP STATUS: SRP STAFF:
ORDER: NO USP SITE:
USP STAFF: RA DONE:

REMEDIATED:133Y SITE:NO133Y STAFF:BROWNFIELD SA:NOTBSA STAFF:PWP SITE:NO

**REFERRAL INFORMATION** 

SOURCE: SUPERFUND - DEP WASTE BUREAU - SUPERFUND SITE DISCOVERY

 RECEIVED:
 7/6/1987

 STAFF:
 DEP

**PROGRAM:** SUPERFUND - DEP WASTE BUREAU - SUPERFUND SITE DISCOVERY

 ASSIGNED:
 7/6/1987

 COMPLETED:
 7/6/1987

 OUTCOME:
 INVENTORY

ASSESS INFORMATION

ASSESS INFORMATION

TYPE: SI STAFF: DANYLUK, M.

PROGRAM: FPRE ASSIGNED:

 DRAFT:
 12/16/1992
 REVIEWER:
 EPA

 REVIEWED:
 FINAL:
 3/5/1993

NFA: NO

TYPE: PA STAFF: BEDSON, M. PROGRAM: FPRE ASSIGNED:

 DRAFT:
 1/10/1989
 REVIEWER:
 EPA

 REVIEWED:
 FINAL:
 1/31/1989

NFA: NO

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**LUST** 

SEARCH ID: 214 **DIST/DIR:** 0.02 NE **ELEVATION:** 144 9 MAP ID:

NAME: **REV:** JIFFY LUBE

**ADDRESS:** 315 BROAD ST 1300-1302 ID1:

MANCHESTER CT 06040 ID2: STATUS: NO

CONTACT: PHONE:

SOURCE: CT DEP

FED REG: YES REPORT DATE: 06-05-91

NUMBER OF TANKS: **MATERIAL:** STEEL LOW CAPACITY: 4000 HIGH CAPACITY: 6000

**PRODUCT:** GAS

TANK REMOVED: YES UNCONTROLLED RELEASE: **EMERGENCY:** YES YES

TANK RELEASE: PIPING RELEASE: YES **OVERFILL RELEASE:** YES

REMEDIATION: SOIL REMOVAL/MONITOR **COMPLETE:** NO

REFERRED:

**COMMENT:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

Target Property:	MANCHESTER CT 06040		JOB: 05.P000408.11			
LUST						
EARCH ID: 215	DIST/DIR:	0.02 NE	ELEVATION:	144	MAP ID:	9
NAME: JIFFY LUBE ADDRESS: 315 BROAD ST MANCHESTER CT CONTACT: GOURCE: CT DEP	06040		REV: ID1: ID2: STATUS: PHONE:	7/18/06 29834 1725 INVESTIGA	ATION	
ITE INFORMATION						
NCIDENT DATE: PPILL CASE ID: UST SITE ID:	6/5/1991					
MATERIAL:						
MOTOR FUEL: DIESEL: GASOLINE: OTHER	-1 0 -1 <b>0</b>					
CAUSE						
LEAK TANK: PIPING: OVERFILL REMOVAL:	0 0 0 0					

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**CERCLIS** 

SEARCH ID: 1 DIST/DIR: 0.02 NE ELEVATION: 144 MAP ID: 9

NAME:ABLILITY MACHINE and TOOL COMPANYREV:11/30/10ADDRESS:315 BROAD STID1:CTD983869074

MANCHESTER CT 06040 ID2: 0101835
STATUS: NOT PROPOSED

CONTACT: NANCY SMITH PHONE: 6179181436

**SOURCE:** EPA

ACTION/QUALITY AGENCY/RPS START/RAA END

site reassessment EPA Fund-Financed 8/2/2001

Low priority for further assessment

discovery State, Fund Financed 10/28/1988

preliminary assessment State, Fund Financed 1/31/1989

Low priority for further assessment

site inspection State, Fund Financed 4/13/1993

Low priority for further assessment

DESCRIPTION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**RCRANLR** 

**SEARCH ID:** 12 **DIST/DIR:** 0.02 NE **ELEVATION:** 144 **MAP ID:** 9

 NAME:
 ECONOMY OIL CHANGE INC
 REV:
 11/10/10

 ADDRESS:
 315 BROAD ST
 ID1:
 CTD983875758

315 BROAD ST ID1: CTD983875758 MANCHESTER CT 06040 ID2:

STATUS: NLR

CONTACT: PHONE:
SOURCE: EPA

SITE INFORMATION

CONTACT INFORMATION: SEAN LINDSAY

315 BROAD ST

MANCHESTER CT 06040

**PHONE:** 2036478997

**UNIVERSE INFORMATION:** 

NAIC INFORMATION

**ENFORCEMENT INFORMATION:** 

**VIOLATION INFORMATION:** 

**HAZARDOUS WASTE INFORMATION:** 

D000 Lead Benzene

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 149 **ELEVATION:** MAP ID: **DIST/DIR:** 0.02 NE 144

REV: NAME: 11/18/10 ADDRESS: 315 BROAD ST

200200601 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/28/2002 TIME OF RELEASE: 4:44:00 PM

**ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 4:44:00 PM REPORTED BY: DISPATCHER REPORTER S PHONE: 6734343

GASOLINE MATERIAL RELEASED: **QUANTITY SPILLED:** 3 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SPEEDY DRYED

**Target Property:** 334 BROAD ST 05.P000408.11 **JOB:** 

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 45 **DIST/DIR:** 0.02 NE **ELEVATION:** 144 **MAP ID:** 9

NAME: BOLAND BROTHERS OIL REV: 3/13/01 ADDRESS: 315 BROAD ST ID1: 912172

MANCHESTER CT 06040 ID2:

STATUS: CLOSED CONTACT: BOLAND BROTHERS OIL PHONE: 203 644 313

SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 913

REPORT DATE: REPORT TIME: 06/05/91 13

**ACTUAL TIME:** 23 REPORTER: MANCHESTER DISPATCH

MANCHESTER F D 75 CENTER ST MANCHESTER CT 6040

WORK PHONE: 203 647 3262

HOME PHONE:

**POLE NUMBER:** 

**INCIDENT TYPE: PETROLEUM** DISCHARGED: GASOLINE/DIESEL

**GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP:** REP OUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

06/05/91 DATE: **DATE UNKNOWN:** 

**CONTINUOUS SPILL:** SPILL TIME: 130

**RELEASE TERMINATED: ONGOING RELEASE:** UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION: REMOVED (1) 2000 (3) 4000 (1) 1000 TANKS

WATERBODY: RIVER: TRIBUTARY: LIS: **CATCH BASIN:** 

POND:

SURFACE WATER: AIR: **GROUND WATER:** Y **GROUND SURFACE:** 

INSIDE BUILDING: OTHER AREA:

TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED: 150

BOLAND BROTHERS OIL RESPONSIBLE PARTY: 16 LIBERTY ST MANCHESTER CT 6040

203 644 313 ACCEPT RESPONSIBILITY:

PHONE: POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: TANKS/SOIL REMOVED

**DUN BRAD:** 

NOTIFIED FEDERAL GOVERNMENT: NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: Y NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

Y

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 45 **DIST/DIR:** 0.02 NE **ELEVATION:** 144 **MAP ID:** 9

 NAME:
 BOLAND BROTHERS OIL
 REV:
 3/13/01

 ADDRESS:
 315 BROAD ST
 ID1:
 912172

MANCHESTER CT 06040 ID2:

STATUS: CLOSED

**CONTACT:** BOLAND BROTHERS OIL **PHONE:** 203 644 313 **SOURCE:** CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED OTHER:

NOTIFIED STATE AGENCIES: NOTIFICATION DATE: 06/05/91

NOTIFICATION TIME: 1331

DISCHARGE CLASS: COMMERCIAL

CAUSE: INGROUND TANK FAILURE

CORRECTIVE ACTION TAKEN: REMOVED TANK SOIL REMOVAL

CONTRACTOR: Y CONT NAME: ACETO CONSTR CO

DID DEP HIRE CONT: N HIRE DATE:
WHEN CONT REQUESTED: SECOND REQUEST:
ARRIVED: ARRIVED SECOND TIME:

RECEIVED BY: ACETO BADGE NUMBER: 913
ASSIGNED DATE: 06/05/91 ASSIGNED TIME: 13 31
NOT 911 EMERGENCY: NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE: INC CODE: PROPERTY OWNER: 4

OTHER OWNER:

PROP NAME: BOLAND

16 LIBERTY ST

MANCHESTER CT 6040

WAS POLLUTER A TRUCK:

OWNER OF TRUCK/TRAILER:

OPERATORS NAME:

WAS POLLUTER A TRAILER:

OWNERS NAME:

SAME

MAKE OF VEHICLE:

VEHICLE MODEL: TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

**DATE UPDATED:** 06/05/91 **COPY:** 

**QUAN FET:** 

MISCELLANEOUS INFORMATION: REMOVED 5 TANKS and 150 YDS CONTAM SOIL TO EAST WINDSOR LANDFILL MR BOLAND TO HIRE CONSULTANT TO DO HYDROGEOLOGICAL STUDY HIRED FUSS and O NEILL TO PUT IN MONITORING WELLS

Y

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 62 **DIST/DIR:** 0.02 NE **ELEVATION:** 146 **MAP ID:** 10

 NAME:
 MONROE MUFFLER
 REV:
 11/18/10

 ADDRESS:
 325 BROAD ST
 ID1:
 200601293

HARTFORD STATUS: CLOSED

CONTACT: COSS, BRIAN PHONE: SOURCE: CT DEP

**REPORT TIME:** 3/7/2006 11:33:58 AM **REPORTED BY:** JACKIE PERNELL

**REPORTER S PHONE:** 4636575

MATERIAL RELEASED: DEGREASER CAUSE OF INCIDENT: DUMPING

EMERGENCY MEASURES: DEGREASER WASHED DOWN STREET FROM CLEANING FLOOR.

UST

**SEARCH ID:** 195 **DIST/DIR:** 0.02 NE **ELEVATION:** 146 **MAP ID:** 10

 NAME:
 CAPITOL TIRE CO
 REV:
 10/5/10

 ADDRESS:
 325 BROAD ST
 ID1:
 01264

 MANGUESTER CT 06040
 ID2:
 77, 1264

MANCHESTER CT 06040 ID2: 77-1264

HARTFORD STATUS: PERMANENTLY CLOSED

CONTACT: PHONE:
SOURCE: CT DEP

TOTAL NUMBER OF TANKS: 1

SITE INFORMATION

**FACILITY ID:** 01264

**TANK ID:** 1264-1

TANK STATUS: PERMANENTLY CLOSED-

 DATE INSTALLED:
 1/1/1973
 DATE LAST USED:
 11/30/2009

 SUBSTANCE STORED:
 USED OIL
 CAPACITY (GALS):
 550

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 47 **DIST/DIR:** 0.03 NE **ELEVATION:** 143 MAP ID: 11

NAME: BRUCE SIMINS HARTFORD DISPENSING LLC REV: 11/18/10 **ADDRESS:** 331 BROAD ST 200905335

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: EMANUELSON, BRIAN PHONE:

SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/21/2009

TIME OF RELEASE:

**ACTION:** OTHER

**DISHCHARGER:** BRUCE SIMINS HARTFORD DISPENSING LLC

433 SOUTH MAIN STREET WEST HARTFORD CT 06107

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 9/21/2009 9:33:38 AM

REPORTED BY: DEP. FIRE MARSHAL TALBOT

REPORTER S PHONE: 6473267

MATERIAL RELEASED: 2 FUEL OIL **QUANTITY SPILLED:** 10 YARDS

CAUSE OF INCIDENT: INGROUND TANK FAILURE

EMERGENCY MEASURES: 550 UST REMOVAL WITH FREE PRODUCT, AREA IS BACKFILLED WITH GARBAGE.

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 73 **ELEVATION: DIST/DIR:** 0.03 NE 143 MAP ID: 11

NAME: REV: MVA 11/18/10 ADDRESS: 331 BROAD ST

200400660 ID1:

MANCHESTER CT ID2: HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE:

SITE INFORMATION

SOURCE: CT DEP

DATE OF RELEASE: 2/2/2004

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER: MVA

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: NO

REPORT TIME: 2/2/2004 2:54:55 PM REPORTED BY: DISPATHER DOUGAN

REPORTER S PHONE: 5338625

ANTIFREEZE MATERIAL RELEASED:

**QUANTITY SPILLED:** 1 GAL

MV ACCIDENT CAUSE OF INCIDENT:

**EMERGENCY MEASURES:** MINOR MVA SANDED BY FIRE DEPT.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 57 **ELEVATION: DIST/DIR:** 0.04 NW 123 MAP ID: 12

NAME: REV: M/V 11/18/10 **ADDRESS:** 364 MIDDLE TPKE W

200201782 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/22/2002 TIME OF RELEASE: 12:43:00 PM **ACTION:** SANDED

DISHCHARGER: M/V

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 3/22/2002 12:56:33 PM

REPORTED BY: DISP ZAJAC REPORTER S PHONE: 6437373

MOTOR VEHICLE FLUIDS MATERIAL RELEASED:

**QUANTITY SPILLED:** 3 GAL

MV ACCIDENT CAUSE OF INCIDENT:

**EMERGENCY MEASURES:** M/V ACCIDENT SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

UST

**SEARCH ID:** 196 **DIST/DIR:** 0.04 NW **ELEVATION:** 123 **MAP ID:** 12

NAME:DandL STORE MANCHESTER PARKADEREV:10/5/10ADDRESS:364 MIDDLE TPKE WID1:01125

MANCHESTER CT 06040 ID2: 77-1125

HARTFORD STATUS: CURRENTLY IN USE

CONTACT: PHONE: SOURCE: CT DEP

TOTAL NUMBER OF TANKS:

SITE INFORMATION

FACILITY ID: 01125

**TANK ID:** 1125-1

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 5/1/1963 DATE LAST USED:

SUBSTANCE STORED: HEATING OIL CAPACITY (GALS): 3000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:PIPE PROTECTION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 60 **ELEVATION: DIST/DIR:** 0.04 NE 144 MAP ID: 13

REV: NAME: MEINEKE MUFFLER 11/18/10 ADDRESS: 290 BROAD ST 200706039

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: TORRES, NEIL PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/18/2007

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: MEINEKE MUFFLER

290 BROAD STREET

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 9/18/2007 12:28:39 PM REPORTED BY: CHIEF BROWN

REPORTER S PHONE: 2099459

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 10 GAL

DUMPING CAUSE OF INCIDENT:

EMERGENCY MEASURES: FLUSHING RADIATORS INTO STREET AFFECTING CATCH BASIN.

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 92 **DIST/DIR:** 0.04 NE **ELEVATION:** 142 **MAP ID:** 14

NAME: SILKTOWN ROOFING- FIRESTONE BUILDING REV: 11/18/10 ADDRESS: BROAD ST and GREEN MANOR BLVD

200506799 ID1:

MANCHESTER CT ID2: STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/10/2005

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER: SILKTOWN ROOFING- FIRESTONE BUILDING

CT

DISCHARGER S PHONE: 6470198

ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 10/10/2005

TIME OF RELEASE:

**ACTION: CLEANED** 

DISHCHARGER: SILKTOWN ROOFING- FIRESTONE BUILDING

CT

DISCHARGER S PHONE: 6470198

ACCEPTS RESPONSIBILITY:

REPORT TIME: 10/10/2005 9:55:08 AM

REPORTED BY: DISPATCH REPORTER S PHONE: 6437373

MATERIAL RELEASED: FLASHGUARD ADHESIVE 393

**QUANTITY SPILLED:** 5 GAL

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 167 **DIST/DIR:** 0.04 NE **ELEVATION:** 142 **MAP ID:** 14

 NAME:
 REV:
 11/18/10

 ADDRESS:
 BROAD ST and GREEN MANOR BLVD
 ID1:
 9901628

MANCHESTER CT ID2:

STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 3/15/1999

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 3/15/1999 2:21:47 PM

**REPORTED BY:** DISP 602 **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: DIESEL FUEL OUANTITY SPILLED: 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED NO DRAINS

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 95 **DIST/DIR:** 0.04 NE **ELEVATION:** 142 **MAP ID:** 14

NAME: TOWN OF MANCHESTER **REV:** 11/18/10 ADDRESS: BROAD ST and GREEN MANOR BLVD

9803007 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE:

SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 5/15/1998 TIME OF RELEASE: 10:14:00 AM **ACTION:** SANDED

DISHCHARGER: TOWN OF MANCHESTER

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 5/15/1998 TIME OF RELEASE: 10:14:00 AM **ACTION:** CLEANED

DISHCHARGER: TOWN OF MANCHESTER

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

REPORT TIME: 10:23:00 AM REPORTED BY: GO1 REPORTER S PHONE: 6437373

MATERIAL RELEASED: HYDRAULIC OIL

**QUANTITY SPILLED:** 32 GAL

CAUSE OF INCIDENT: TRANSFER LINE FAILURE

**EMERGENCY MEASURES:** SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 100 **DIST/DIR:** 0.04 NE **ELEVATION:** 144 **MAP ID:** 15

 NAME:
 UNKNOWN
 REV:
 11/18/10

 ADDRESS:
 299 BROAD ST
 ID1:
 9806635

299 BROAD ST IDI: 9806635 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 9/29/1998 **TIME OF RELEASE:** 8:42:00 AM **ACTION:** SANDED

**DISHCHARGER:** UNKNOWN

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY: NO

**REPORT TIME:** 8:55:00 AM **REPORTED BY:** ALEX SAJAC **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: DIESEL FUEL OUANTITY SPILLED: 5 GAL

CAUSE OF INCIDENT: CONTAINER FAILURE

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 112 **ELEVATION: DIST/DIR:** 0.04 NW 124 MAP ID: 16

REV: NAME: 11/18/10 ADDRESS: 352 MIDDLE TPKE W

200201253 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 2/28/2002

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 2/28/2002 4:43:14 PM REPORTED BY: **DISPATCHER 604** 

REPORTER S PHONE: 6437373

MOTOR OIL MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: FD SANDED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 87 **DIST/DIR:** 0.05 SE **ELEVATION:** 141 **MAP ID:** 17

NAME: REV: 11/18/10 SAA ADDRESS: 357 BROAD ST

ID1: 200001483 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: EMANUELSON, BRIAN PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/9/2000

TIME OF RELEASE:

**ACTION:** CONTRACTED

DISHCHARGER: SAA

MANCHESTER CT 06040

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY: NO

SITE INFORMATION

DATE OF RELEASE: 3/9/2000

TIME OF RELEASE:

ACTION: **CLEANED** 

DISHCHARGER: SAA

MANCHESTER CT 06040

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY: NO

**SITE INFORMATION** 

DATE OF RELEASE: 3/9/2000

TIME OF RELEASE:

**ACTION:** REMOVED

DISHCHARGER: SAA

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: NO

SITE INFORMATION

DATE OF RELEASE: 3/9/2000

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: SAA

MANCHESTER CT 06040

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY: NO

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 87 **DIST/DIR:** 0.05 SE **ELEVATION:** 141 **MAP ID:** 17

 NAME:
 SAA
 REV:
 11/18/10

 ADDRESS:
 357 BROAD ST
 ID1:
 200001483

357 BROAD ST ID1: 200001483 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: EMANUELSON, BRIAN PHONE:

**SOURCE:** CT DEP

**REPORT TIME:** 3/9/2000 4:16:26 PM **REPORTED BY:** SCOTT BOOTH

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: OIL and SOAP CAUSE OF INCIDENT: DUMPING

EMERGENCY MEASURES: UNKNOWN AMOUNT OF OIL AND SOAP IN DRAIN

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 194 **DIST/DIR:** 0.05 SE **ELEVATION:** 141 **MAP ID:** 17

 NAME:
 BERMAN AND BERGEN TIRE CENTERS
 REV:
 10/5/10

 ADDRESS:
 357 BROAD ST
 ID1:
 09579

MANCHESTER CT 06040 ID2: 77-9579

HARTFORD STATUS: PERMANENTLY CLOSED

CONTACT: PHONE:

**SOURCE:** CT DEP

TOTAL NUMBER OF TANKS: 3

SITE INFORMATION

**FACILITY ID:** 09579

TANK ID: 9579-

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 3/1/1963
 DATE LAST USED:
 3/1/1979

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL PIPE MATERIAL: PIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 09579

**TANK ID:** 9579-2

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 3/1/1963
 DATE LAST USED:
 3/1/1979

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 7500

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION: PIPE MATERIAL: PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 09579

**TANK ID:** 9579-3

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 3/1/1963
 DATE LAST USED:
 3/1/1979

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 5000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL PIPE MATERIAL: PIPE PROTECTION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 88 **DIST/DIR:** 0.05 NW **ELEVATION:** 123 **MAP ID:** 18

 NAME:
 SAA
 REV:
 11/18/10

 ADDRESS:
 376 MIDDLE TPKE W
 ID1:
 200405672

MANCHESTER CT ID2: 2004056/2

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 8/17/2004
TIME OF RELEASE: 2:00:00 PM
ACTION: CONTRACTED

**DISHCHARGER:** SAA

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**SITE INFORMATION** 

**DATE OF RELEASE:** 8/17/2004 **TIME OF RELEASE:** 2:00:00 PM **ACTION:** OTHER

DISHCHARGER: SAA

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 8/17/2004 3:02:55 PM **REPORTED BY:** PAUL MCMILLAN

**REPORTER S PHONE:** 6656420

MATERIAL RELEASED: TRANSFORMER OIL

QUANTITY SPILLED: 2 GAL

CAUSE OF INCIDENT: TRANS/CAPAC.

EMERGENCY MEASURES: EQUIP OVERLOAD/CONTENT UNKNOWN/WILL BE SAMPLED/POSSIBLY MORE OIL SPILLED OUT AND

UNIT IS STILL HOT.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 98 **DIST/DIR:** 0.05 NE **ELEVATION:** 144 **MAP ID:** 19

 NAME:
 UNKNOWN
 REV:
 11/18/10

 ADDRESS:
 295 BROAD ST
 ID1:
 9906601

295 BROAD ST ID1: 9906601 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 9/28/1999

TIME OF RELEASE:

ACTION: SANDED

**DISHCHARGER:** UNKNOWN

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 9/28/1999 11:55:44 AM

**REPORTED BY:** DISP 601 **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: 2 FUEL OIL QUANTITY SPILLED: 20 GAL

CAUSE OF INCIDENT: SEEPAGE

**EMERGENCY MEASURES:** SANDED NO DRAINS

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 151 **DIST/DIR:** 0.06 NE **ELEVATION:** 144 **MAP ID:** 20

NAME: REV: 3/13/01 ADDRESS: PARKADE MALL/CHANNEL HARDWARE ID1: 911124

MANCHESTER CT 06040 ID2:

STATUS: CLOSED

**CONTACT:** PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 913

REPORT DATE: 04/01/91 REPORT TIME: 15

**ACTUAL TIME:** 55

REPORTER: JOHN C ROWSA

TOWN OF MANCHESTER FIRE CHIEF

WORK PHONE: 203 647 3266

HOME PHONE:

**POLE NUMBER:** 

**INCIDENT TYPE:** CHEMICAL DISCHARGED: UNK

**GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP: REP QUAN:** 

TOTAL POUNDS:

**DESCRIPTION:** 

04/10/91 DATE: DATE UNKNOWN: **CONTINUOUS SPILL:** SPILL TIME: **RELEASE TERMINATED: ONGOING RELEASE:** Y UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION: REMOVING DRUMS

WATERBODY: RIVER: TRIBUTARY: LIS: **CATCH BASIN:** POND:

AIR: SURFACE WATER: **GROUND WATER: GROUND SURFACE:** 

INSIDE BUILDING: OTHER AREA: TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED: 5 RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: REMOVED DRUMS

**DUN BRAD:** 

NOTIFIED FEDERAL GOVERNMENT: NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE: NOTIFIED ATTORNEY GENERAL:

NOTIFIED AQUACULTURE: NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**SPILLS** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

SEARCH ID: 151 **DIST/DIR:** 0.06 NE **ELEVATION:** 144 MAP ID: 20 NAME: REV: 3/13/01

ADDRESS: PARKADE MALL/CHANNEL HARDWARE ID1: 911124

MANCHESTER CT 06040 ID2: STATUS: CLOSED

CONTACT: PHONE:

**SOURCE:** CT DEP

PERMITTING NOTIFIED: **NOTIFIED UST UNIT:** NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F: NOTIFIED F-W: NOTIFIED OPS: NOTIFIED OTHER: NOTIFIED STATE AGENCIES: NOTIFICATION DATE:

**NOTIFICATION TIME:** 

DISCHARGE CLASS: COMMERCIAL

**CAUSE: DUMPING** 

CORRECTIVE ACTION TAKEN: REMOVED

CONTRACTOR: **CONT NAME:** TRI-S

DID DEP HIRE CONT: HIRE DATE: Ν

WHEN CONT REQUESTED: SECOND REQUEST: ARRIVED: **ARRIVED SECOND TIME:** 0 RECEIVED BY: BURTON **BADGE NUMBER: ASSIGNED DATE: ASSIGNED TIME:** 

NOT 911 EMERGENCY: **NOTIFICATION STATUS:** CT EMERGENCY SPILLFUND USED: CASE NUMBER:

**CASE NUMBER 2:** FED GOV PAID:

COST RECOVERY EXPENDITURE: PIN:

INC CODE: PROPERTY OWNER:

OTHER OWNER:

PROP NAME: TOWN OF MANCHESTER

WAS POLLUTER A TRAILER: WAS POLLUTER A TRUCK:

OWNER OF TRUCK/TRAILER: **OWNERS NAME: OPERATORS NAME:** MAKE OF VEHICLE: **VEHICLE MODEL:** TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT: Y

DATE UPDATED: 04/11/91 COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION: TRI-S ARRIVED 9:00 REPACKED DRUMS FOR DIS-POSAL TOTAL 5 GAL OF PRODUCT IN 3

DRUMS TRI-S LEFT 10:00

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

PERMANENTLY CLOSED

**SEARCH ID:** 206 **DIST/DIR:** 0.06 SE **ELEVATION:** 146 **MAP ID:** 21

 NAME:
 ST JAMES CEMETERY
 REV:
 10/5/10

 ADDRESS:
 360 BROAD ST
 ID1:
 01198

MANCHESTER CT 06040 ID2: 77-1198

STATUS: CONTACT: PHONE:

SOURCE: CT DEP

TOTAL NUMBER OF TANKS: 1

SITE INFORMATION

FACILITY ID: 01198

**TANK ID:** 1198-

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 3/1/1970
 DATE LAST USED:
 1/1/1990

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 1000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 48 **DIST/DIR:** 0.07 NW **ELEVATION:** 124 **MAP ID:** 22

NAME: CL AND P

REV: 11/18/10 **ADDRESS:** 386 MIDDLE TPKE W 200202183 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: STAVOLA, ROSANNE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/8/2002

TIME OF RELEASE:

**ACTION:** CONTRACTED

**DISHCHARGER:** CL AND P

400 SHELDON STREET

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 4/8/2002 2:37:24 PM REPORTED BY: PAUL MCMILLIAN

REPORTER S PHONE: 2495895

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:** 30 GAL

CAUSE OF INCIDENT: VANDALISM

CAUSE OF INCIDENT: OTHER

EMERGENCY MEASURES: PAD MOUNT TRANSFORMER, WITH BULLET HOLE, WINSTON IS ON SITE 860-841-0020, GALLON IN

CATCH BASIN, LESS THAN 2 PPM BY LABEL

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**ERNS** 

**SEARCH ID:** 14 **DIST/DIR:** 0.07 NW **ELEVATION:** 124 **MAP ID:** 22

 NAME:
 MANCHESTER PARKADE
 REV:
 12/31/02

 ADDRESS:
 386 MIDDLE TPKE W
 ID1:
 NRC-598867

MANCHESTER CT ID2:

HARTFORD STATUS: FIXED

CONTACT: PHONE:

SOURCE: NRC

SITE INFORMATION

THIS INFORMATION WAS OBTAINED FROM THE NATIONAL RESPONSE CENTER

**DATE RECEIVED:** 4/8/2002 2:27:05 PM **DATE COMPLETE:** 4/8/2002

2:35:21 PM

CALL TAKER: CALL TYPE: INC

RESPONSIBLE PARTY:

PHONE 1: PHONE 2: PHONE 3:

RESPONSIBLE COMPANY:

ORGANIZATION TYPE: UNKNOWN

ADDRESS:

XX

SOURCE: TELEPHONE

**INCIDENT INFORMATION** 

INCIDENT DESCRIPTION: THE MATERIAL WAS RELEASED FROM A PAD MOUNTED TRANSFORMER ONTO A PARKING AREA DUE

TO A BULLET HOLE.

INCIDENT TYPE: FIXED INCIDENT CAUSE: OTHER

INCIDENT DATE: 4/8/2002 12:48:00 PM INCIDENT DATE DESC:

DISCOVERED

DISTANCE FROM CITY:
DIRECTION FROM CITY:
LOCATION TOWNSHIP:
DISTANCE UNITS:
LOCATION SECTION:
LOCATION RANGE:

AIRCRAFT TYPE: UNKNOWN AIRCRAFT MODEL:

AIRCRAFT ID:
AIRCRAFT FUEL CAPACITY:
AIRCRAFT FUEL CAPACITY UNITS:
AIRCRAFT FUEL ON BOARD UNITS:
AIRCRAFT SPOT NUMBER:
AIRCRAFT HANGER:
AIRCRAFT RUNWAY NUM:

ROAD MILE MARKER: BUILDING ID:

TYPE OF FIXED OBJECT: TRANSFORMER POWER GEN FACILITY: NO

GENERATING CAPACITY: TYPE OF FUEL:

NPDES: NPDES COMPLIANCE: UNKNOWN PIPELINE TYPE: DOT REGULATED: UNKNOWN

PIPELINE ABOVE GROUND: ABOVE EXPOSED UNDERWATER: NO PIPELINE COVERED: UNKNOWN GRADE CROSSING: NO

LOCATION SUBDIVISION:

TYPE VEHICLE INVOLVED:

RAILROAD MILEPOST:

CROSSING DEVICE TYPE:

**DEVICE OPERATIONAL:** YES

DOT CROSSING NUMBER: BRAKE FAILURE: NO

- Continued on next page -

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

ERNS					
SEARCH ID: 14	<b>DIST/DIR:</b> 0.07	NW ELEVATION:	124	<b>MAP ID:</b> 22	
NAME: MANCHESTER PARI ADDRESS: 386 MIDDLE TPKE W MANCHESTER CT HARTFORD CONTACT: SOURCE: NRC		REV: ID1: ID2: STATUS: PHONE:	12/31/02 NRC-598867 FIXED		
TANK ABOVE GROUND: TANK REGULATED: TANK ID: CAPACITY OF TANK UNITS: ACTUAL AMOUNT UNITS: PLATFORM LETTER: LOCATION BLOCK ID:	ABOVE UNKNOWN	TRANSPORTABLE CONTAINS TANK REGULATED BY: CAPACITY OF TANK: ACTUAL AMOUNT: PLATFORM RIG NAME: LOCATION AREA ID:	ER: UNKNOWN	Ţ	
DESCRIPTION OF TANK:  OCSG NUMBER: STATE LEASE NUMBER: BERTH SLIP NUMBER: INITIAL CONT RELEASE NUM: ALLISION: STRUCTURE NAME: AIRBAG DEPLOYED: SERVICE DISRUPT TIME: TRANSIT BUS FLAG: CR END DATE:	NO	OCSP NUMBER: PIER DOCK NUMBER: CONTIN RELEASE TYPE: CONT RELEASE PERMIT: TYPE OF STRUCTURE: STRUCT OPERATIONAL: DATE NORMAL SERVICE: SERVICE DISRUPT UNITS: CR BEGIN DATE: CR CHANGE DATE:	UNKNOWN	ī	
FIRE INVOLVED: ANY EVACUATIONS: WHO EVACUATED: ANY INJURIES: NUMBER HOSPITALIZED: NUMBER FATALITIES: DAMAGE AMOUNT: AIR CORRIDOR DESC: WATERWAY CLOSED: WATERWAY CLOSURE TIME: ROAD DESC: CLOSURE DIRECTION:	NO NO NO	FIRE EXTINGUISHED: NUMBER EVACUATED: RADIUS OF EVACUATION: NUMBER INJURED: ANY FATALITIES: ANY DAMAGES: AIR CORRIDOR CLOSED: AIR CLOSURE TIME: WATERWAY DESC: ROAD CLOSED: ROAD CLOSURE TIME: MAJOR ARTERY:	UNKNOWN NO NO NO NO	ı	
TRACK CLOSED: TRACK CLOSURE TIME: MEDIUM DESC: BODY OF WATER: NEAREST RIVER MILE MARK: EST DUR OF RELEASE: TRACK CLOSE DIR: ST AGENCY RPT NUM: WEATHER CONDITIONS: WIND SPEED: WATER SUPPLY CONTAM: SHEEN COLOR: SHEEN ODOR DESCRIPTION: CURRENT SPEED: WATER TEMPERATURE:	NO WATER STORM DRAI CLEAR NO	TRACK DESC: MEDIA INTEREST: ADDTL MEDIUM INFO: IN TRIBUTARY OF: RELEASE SECURED: RELEASE RATE: ST AGENCY ON SCENE: OTHER AGENCY NOTIFIED: AIR TEMPERATURE: WIND DIRECTION: SHEEN SIZE: DIR OF SHEEN TRAVEL: WAVE CONDITION: CURRENT DIRECTION:	NONE PARKING L YES	OT AND STORM DRAIN	
DESC OF REMEDIAL ACTION:	CONTRACTO	CONTRACTOR HIRED FOR CLEAN UP			
EMPL FATALITY:		PASS FATALITY: - Continued on next page -			

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**ERNS** 

**SEARCH ID:** 14 **DIST/DIR:** 0.07 NW **ELEVATION:** 124 **MAP ID:** 22

 NAME:
 MANCHESTER PARKADE
 REV:
 12/31/02

 ADDRESS:
 386 MIDDLE TPKE W
 ID1:
 NRC-598867

MANCHESTER CT ID2:

HARTFORD STATUS: FIXED

CONTACT: PHONE:

SOURCE: NRC

**COMMUNITY IMPACT:** WIND SPEED UNITS: NO **EMPLOYEE INJURIES:** PASSENGER INJURIES: OCCUPANT FATALITY: **CURRENT SPEED UNITS: ROAD CLOSURE UNITS:** TRACK CLOSURE UNITS: SHEEN SIZE UNITS: STATE AGENCY NOTIFIED: FED AGENCY NOTIFIED: **NEAREST RIVER MILE MARK:** SHEEN SIZE LENGTH: SHEEN SIZE LENGTH UNITS: SHEEN SIZE WIDTH: SHEEN SIZE WIDTH UNITS:

OFFSHORE: N DURATION UNIT: RELEASE RATE UNIT: RELEASE RATE RATE:

ADDITIONAL INFO: CALLER STATED THE RELEASE CONTAINED LESS THAN ONE PARTS PER MILLION OF PCB

S. CALLER STATED PART OF THE PARKING AREA HAS BEEN BLOCKED. CALLER PLANS TO NOTIFY THE CTDEP.

**MATERIAL INFORMATION** 

CHRIS CODE: OTF CASE NUMBER: 000000-00-0 UN NUMBER: REACHED WATER: YES

NAME OF MATERIAL: OIL, MISC: TRANSFORMER

**AMOUNT OF MATERIAL:** 30 GALLON(S) **AMOUNT IN WATER:** 1 GALLON(S)

CHRIS CODE: PCB CASE NUMBER: 000000-00-0

UN NUMBER: REACHED WATER: YES

NAME OF MATERIAL: POLYCHLORINATED BIPHENYLS

**AMOUNT OF MATERIAL:** 1 PART(S) PER MILLION AMOUNT IN WATER: 1 PART(S) PER MILLION

OTHER MATERIAL INFORMATION

MOBILE DETAILS INFORMATION

TRAIN INFORMATION

**VESSEL INFORMATION** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 197 **DIST/DIR:** 0.08 NE **ELEVATION:** 151 **MAP ID:** 23

 NAME:
 DE CORMIER MOTOR SALES INC
 REV:
 10/5/10

 ADDRESS:
 285 BROAD ST
 ID1:
 01233

MANCHESTER CT 06040 ID2: 77-1233

HARTFORD STATUS: PERMANENTLY CLOSED

CONTACT: PHONE: SOURCE: CT DEP

**TOTAL NUMBER OF TANKS:** 3

SITE INFORMATION

FACILITY ID: 01233

**TANK ID:** 1233-

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 10/1/1960
 DATE LAST USED:
 8/1/1988

 SUBSTANCE STORED:
 USED OIL
 CAPACITY (GALS):
 200

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01233

**TANK ID:** 1233-2

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 10/1/1960
 DATE LAST USED:
 8/1/1988

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 1000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01233

**TANK ID:** 1233-

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 10/1/1960
 DATE LAST USED:
 8/1/1988

 SUBSTANCE STORED:
 USED OIL
 CAPACITY (GALS):
 1000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRANLR** 

**SEARCH ID:** 11 **DIST/DIR:** 0.08 NE **ELEVATION:** 151 **MAP ID:** 23

 NAME:
 DE CORMIER MOTOR SALES INC
 REV:
 11/10/10

 ADDRESS:
 285 BROAD ST
 ID1:
 CTD018704031

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: NLR

CONTACT: STATUS. NE

SOURCE: EPA

SITE INFORMATION

CONTACT INFORMATION: WILLIAM DECORMIER

285 BROAD ST

MANCHESTER CT 06040

**PHONE:** 2036435159

**UNIVERSE INFORMATION:** 

**NAIC INFORMATION** 

#### **ENFORCEMENT INFORMATION:**

### **VIOLATION INFORMATION:**

### HAZARDOUS WASTE INFORMATION:

The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; a

D000

Ignitable waste

The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing contain

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 6 **DIST/DIR:** 0.08 NE **ELEVATION:** 151 **MAP ID:** 23

NAME: DE CORMIER MOTOR SALES INC REV: 10/8/02

**ADDRESS:** 285 BROAD ST **ID1:** CTD018704031

MANCHESTER CT 06040 ID2:
HARTFORD STATUS: VGN

CONTACT: WILLIAM DECORMIER PHONE: 2036435159

SOURCE: EPA

CT MANIFEST INFORMATION

CTF0087372 12/02/1991 CTD021816889 CTD021816889 0060 G WASTE FLAMMABLE LIQUID

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRANLR** 

**SEARCH ID:** 13 **DIST/DIR:** 0.08 NW **ELEVATION:** 124 **MAP ID:** 24

 NAME:
 PARKADE CLEANERS
 REV:
 11/10/10

 ADDRESS:
 394 MIDDLE TPKE W
 ID1:
 CTD047708086

394 MIDDLE TPKE W ID1: CTD04770808
MANCHESTER CT 06040 ID2:

HARTFORD STATUS: NLR

CONTACT: PHONE: SOURCE: EPA

SITE INFORMATION

CONTACT INFORMATION: EVA LIBITZKY

394 W MIDDLE TNPK MANCHESTER CT 06040

**PHONE:** 2036495559

**UNIVERSE INFORMATION:** 

**NAIC INFORMATION** 

#### **ENFORCEMENT INFORMATION:**

### VIOLATION INFORMATION:

### **HAZARDOUS WASTE INFORMATION:**

The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent

The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing contain

The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; a

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 7 **DIST/DIR:** 0.08 NW **ELEVATION:** 124 **MAP ID:** 24

NAME: PARKADE CLEANERS REV: 10/8/02

ADDRESS: 394 MIDDLE TPKE W ID1: CTD047708086

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: VGN
CONTACT: EVA LIBITZKY PHONE: 2036495559

SOURCE: EPA

CT MANIFEST INFORMATION

MANIFEST ID SHIPPED TSD ID TRANS ID OTY MATERIAL

CTF0321306 07/13/1994 CTD000845982 ILD984908202 0195 P WASTE TETRACHLOROETHYLENE

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 97 **ELEVATION: DIST/DIR:** 0.08 NE 153 **MAP ID:** 25

**REV:** NAME: UNK. 11/18/10 ADDRESS: BOAD WENDYS RESTAURANT ST

9901634 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

CONTACT: STAVOLA, ROSANNE PHONE: **SOURCE:** CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/15/1999

TIME OF RELEASE:

**ACTION:** NONE REQUIRED

DISHCHARGER: UNK.

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY: NO

REPORT TIME: 3/15/1999 3:58:33 PM

REPORTED BY: DISP REPORTER S PHONE: 7695560

MATERIAL RELEASED: OIL **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: CONTAINER FAILURE

**EMERGENCY MEASURES:** FIRE DEPT. ONSITE/916 ONROUTE

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040 **SPILLS** SEARCH ID: 77 **DIST/DIR:** 0.09 SE **ELEVATION:** 153 **MAP ID:** 26 NAME: NORTHEAST UTILITIES REV: 3/13/01 ADDRESS: 381 BROAD ST ID1: 961316 MANCHESTER CT 06040 ID2: STATUS: CLOSED **CONTACT: NORTHEAST UTILITIES** PHONE: **SOURCE:** CT DEP SITE INFORMATION INSPECTOR S BADGE NUMBER: NR REPORT DATE: REPORT TIME: 03/25/96 11 **ACTUAL TIME:** 35 REPORTER: BOB BROWN C LandP WORK PHONE: 860 249 5895 **HOME PHONE: POLE NUMBER: INCIDENT TYPE:** DIELECT DISCHARGED: TRANSFORMER OIL **GALLONS:** YARDS: **POUNDS:** CON: **DRUMS:** FEDRAL: ACROSS PROPERTY LINES: CERCLA: **EMERGENCY CLEANUP: REP QUAN:** TOTAL POUNDS: **DESCRIPTION:** 03/25/96 DATE: **DATE UNKNOWN: CONTINUOUS SPILL:** SPILL TIME: 1120 **RELEASE TERMINATED:** Y **ONGOING RELEASE:** UNKNOWN: CONTAINED: ADDITIONAL INFORMATION: WATERBODY: RIVER: TRIBUTARY: LIS: **CATCH BASIN:** POND: AIR: SURFACE WATER: GROUND WATER: **GROUND SURFACE:** INSIDE BUILDING: OTHER AREA: TOTAL RECOVERED FROM WATER: TOTAL IN WATER: TOTAL RECOVERED: NORTHEAST UTILITIES RESPONSIBLE PARTY: ACCEPT RESPONSIBILITY: PHONE: Y POLLUTER UNKNOWN: **CLEANUP ACTION TAKEN: DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT: NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL: NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE: NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE: NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED STATE WASTE BUREAU:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

NOTIFIED WEED HAZ WASTE:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 77 **DIST/DIR:** 0.09 SE **ELEVATION:** 153 **MAP ID:** 26

NAME: NORTHEAST UTILITIES REV: 3/13/01 ADDRESS: 381 BROAD ST ID1: 961316

MANCHESTER CT 06040 ID2:

STATUS: CLOSED

**CONTACT: NORTHEAST UTILITIES** PHONE: **SOURCE:** CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

**NOTIFIED P-F:** NOTIFIED F-W: NOTIFIED OPS: NOTIFIED OTHER: NOTIFIED STATE AGENCIES: NOTIFICATION DATE:

**NOTIFICATION TIME:** DISCHARGE CLASS: UTILITY

**CAUSE:** TRANS/CAPACITOR

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED

CONTRACTOR: **CONT NAME:** DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED: SECOND REQUEST: ARRIVED: ARRIVED SECOND TIME: RECEIVED BY: STAVOLA **BADGE NUMBER:** 

ASSIGNED DATE: **ASSIGNED TIME:** NOT 911 EMERGENCY: **NOTIFICATION STATUS:** CT EMERGENCY SPILLFUND USED: CASE NUMBER:

**CASE NUMBER 2:** FED GOV PAID:

COST RECOVERY EXPENDITURE: PIN:

INC CODE: PROPERTY OWNER: OTHER OWNER:

PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER: **OWNERS NAME: OPERATORS NAME:** MAKE OF VEHICLE: **VEHICLE MODEL:** TRUCK REGISTRATION:

**UPDATED WITH INSPECTORS REPORT:** TRAILER REGISTRATION:

DATE UPDATED: COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION:

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 147 **DIST/DIR:** 0.09 SE **ELEVATION:** 153 **MAP ID:** 26

**REV:** NAME: 11/18/10 ADDRESS: 381 BROAD ST

200205718 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 8/18/2002

TIME OF RELEASE:

**ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 8/18/2002 4:52:33 PM REPORTED BY: DISPATCHER SISE

REPORTER S PHONE: 6437373

MATERIAL RELEASED: ANTIFREEZE

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 102 **DIST/DIR:** 0.09 NE **ELEVATION:** 152 **MAP ID:** 27

NAME: UNKNOWN MOTORIST REV: 11/18/10 **ADDRESS:** 277 BROAD ST 200305141

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 7/9/2003

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: UNKNOWN MOTORIST

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY: NO

SITE INFORMATION

DATE OF RELEASE: 7/9/2003

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER: UNKNOWN MOTORIST

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: NO

REPORT TIME: 7/9/2003 1:43:16 PM PD DISPATCH REPORTED BY:

REPORTER S PHONE: 5338625

MATERIAL RELEASED: ANTIFREEZE **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** MVA, CONTENTS OF 1 RADIATOR, NO DRAINS INVOLVED, FD TO SAND

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 120 **ELEVATION: DIST/DIR:** 0.11 NW 137 **MAP ID:** 28

**REV:** NAME: 11/18/10 ADDRESS: 354 MIDDLE TPKE W

200603432 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 6/9/2006

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 6/9/2006 5:00:02 PM

REPORTED BY:

REPORTER S PHONE: 5338625

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 3 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 139 **DIST/DIR:** 0.11 NE 149 **MAP ID:** 29

**REV:** NAME: 11/18/10 ADDRESS: 260 BROAD ST 200405954

ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 8/27/2004 TIME OF RELEASE: 7:21:00 PM **ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 8/27/2004 TIME OF RELEASE: 7:21:00 PM **ACTION:** OTHER

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 8/27/2004 7:21:05 PM

REPORTED BY: GARRISON REPORTER S PHONE: 5338625

MATERIAL RELEASED: GASOLINE **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** TWO GALLON OF GASOLINE/ SPEEDY DRY / NO WATERWAYS

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 138 **DIST/DIR:** 0.11 NE **ELEVATION:** 29 149 **MAP ID:** 

**REV:** NAME: 11/18/10 ADDRESS: 260 BROAD ST

200905763 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/8/2009

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 10/8/2009 3:20:04 PM REPORTED BY: MANCHESTER FD

REPORTER S PHONE: 5338625

MOTOR VEHICLE FLUIDS MATERIAL RELEASED:

**QUANTITY SPILLED:** 0.5 GAL

MV ACCIDENT CAUSE OF INCIDENT:

**EMERGENCY MEASURES:** MIXED FLUIDS.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 123 **DIST/DIR:** 0.12 NW **ELEVATION:** 126 **MAP ID:** 30

 NAME:
 REV:
 11/18/10

 ADDRESS:
 406 MIDDLE TPKE W
 ID1:
 200207883

406 MIDDLE TPKE W ID1: 200207883 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 11/9/2002

TIME OF RELEASE:

ACTION: CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 11/9/2002 5:20:13 PM **REPORTED BY:** BOB SODERBURG

**REPORTER S PHONE:** 2495895

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** < 1 PPM, CLEANED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 56 **DIST/DIR:** 0.13 NW **ELEVATION:** 131 **MAP ID:** 31

NAME: M.V.A **REV:** 11/18/10 **ADDRESS:** 356 MIDDLE TPKE W

200002038 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/31/2000

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: M.V.A

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 3/31/2000

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER: M.V.A

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 3/31/2000 11:40:12 AM REPORTED BY: DISPATCHER EASTON

REPORTER S PHONE: 6437373

MATERIAL RELEASED: ANTIFREEZE **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** M.V.A - SANDED IN PLACE BY FIRE DEPARTMENT

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 113 **ELEVATION: DIST/DIR:** 0.13 NW 131 MAP ID: 31

**REV:** NAME: 11/18/10 ADDRESS: 356 MIDDLE TPKE W

200207806 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 11/6/2002

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 11/6/2002 5:39:47 PM

REPORTED BY: **DISP 603** REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 5 GAL

MV ACCIDENT CAUSE OF INCIDENT:

EMERGENCY MEASURES: SPEEDY DRIED, ONE RADIATORS CONTENTS

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION:** SEARCH ID: 114 **DIST/DIR:** 0.13 NW 131 **MAP ID:** 31

**REV:** NAME: 11/18/10 ADDRESS: 356 MIDDLE TPKE W 200002323

ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/10/2000

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 4/10/2000

TIME OF RELEASE:

**ACTION: CLEANED** 

DISHCHARGER:

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 4/10/2000 10:28:28 PM

REPORTED BY: 603

REPORTER S PHONE: 6437373

MATERIAL RELEASED: TRANSMISSION OIL

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 148 **ELEVATION: DIST/DIR:** 0.13 SE 162 MAP ID: 32

**REV:** NAME: 11/18/10 ADDRESS: 410 BROAD ST

200802543 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/27/2008

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 4/27/2008 3:58:53 PM

REPORTED BY: SEAN REPORTER S PHONE: 6455500

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** CONTENTS OF RADIATOR.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 8 **DIST/DIR:** 0.14 NW **ELEVATION:** 149 **MAP ID:** 33

 NAME:
 R T COACHWORKS
 REV:
 11/10/10

 ADDRESS:
 244 BROAD ST
 ID1:
 CTD981885684

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: SGN

CONTACT: PHONE: SOURCE: EPA

SITE INFORMATION

### UNIVERSE INFORMATION:

### GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

 GPRA PERMIT:
 N - NO

 GPRA POST CLOSURE:
 N - NO

 GPRA CA:
 N - NO

 GPRA COMPLIANCE MONITORING and ENFORCEMENT:
 N - NO

#### SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA: N - NO
SUBJCA TSD 3004: N - NO
SUBJCA NON TSD: N - NO
SIGNIFICANT NON-COMPLIANCE(SNC): N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: ---CLOSURE WORKLOAD: ---POST CLOSURE WORKLOAD: ---PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: CORRECTIVE ACTION WORKLOAD: N - NO

GENERATOR STATUS: SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000

KG/MONTH OF HAZARDOUS WASTE

#### NAIC INFORMATION

### **ENFORCEMENT INFORMATION:**

#### **VIOLATION INFORMATION:**

#### **HAZARDOUS WASTE INFORMATION:**

#### D000

The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by Ignitable waste

The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**OTHER SEARCH ID:** 189 **DIST/DIR:** 0.14 NW **ELEVATION:** 149 **MAP ID:** 33 NAME: R.T. COACHWORKS REV: 11/21/01 **ADDRESS:** 244 BROAD ST ID1: 4429 MANCHESTER CT 06040 ID2: HARTFORD STATUS: TRANSFER ACT CONTACT: PHONE: SOURCE: CT DEP **INFORMATION ESTABLISHMENT:** R.T. COACHWORKS (LEASE) SELLER: STEVEN A. ROSS **BUYER:** ROSS COACHWORKS, INC. FORM: FORM I RECEIVED: 9/9/1993 ACKNOWLEDGED: 11/12/1993 **RETURNED: CERTIFIED: REVISED: ECAF REVIEWED:** ECAF RECEIVED: STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS: INFORMATION ESTABLISHMENT:** R.T. COACHWORKS (STOCK) SELLER: WILLIAM T. POLESHUK **BUYER:** EDWARD J. DYMENT RECEIVED: FORM: FORM I 9/9/1993 ACKNOWLEDGED: RETURNED: 11/9/1993 **CERTIFIED:** REVISED: ECAF RECEIVED: ECAF REVIEWED: STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE SEARCH ID:** 37 **DIST/DIR:** 0.14 NW **ELEVATION:** 149 **MAP ID:** 33 NAME: R.T. COACHWORKS REV: 4/23/10 ADDRESS: 244 BROAD ST ID1: 4429 MANCHESTER CT ID2: HARTFORD **STATUS:** SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2:** WASTE TYPE3: **DISPOSAL METHOD: SAMPLE AVAILABLE:** NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES R.T. COACHWORKS (STOCK) R.T. COACHWORKS (LEASE) **COMMENTS:** INFORMATION **ESTABLISHMENT:** R.T. COACHWORKS (STOCK) SELLER: WILLIAM T. POLESHUK **BUYER:** EDWARD J. DYMENT FORM: FORM I RECEIVED: 9/9/1993 ACKNOWLEDGED: 11/9/1993 **RETURNED: REVISED: CERTIFIED: ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS: INFORMATION** - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE SEARCH ID:** 37 **DIST/DIR:** 0.14 NW **ELEVATION:** 149 **MAP ID:** 33 **REV:** NAME: R.T. COACHWORKS 4/23/10 ADDRESS: 244 BROAD ST ID1: 4429 MANCHESTER CT ID2: HARTFORD STATUS: SUSPECTED CONTACT: PHONE: **SOURCE:** CT DEP ESTABLISHMENT: R.T. COACHWORKS (LEASE) SELLER: STEVEN A. ROSS **BUYER:** ROSS COACHWORKS, INC. FORM: FORM I RECEIVED: 9/9/1993 ACKNOWLEDGED: 11/12/1993 **RETURNED: CERTIFIED:** REVISED: **ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS:** REFERRAL INFORMATION **SOURCE:** PTP - PROPERTY TRANSFER PROGRAM RECEIVED: 9/9/1993 STAFF: PTP - PROPERTY TRANSFER PROGRAM PROGRAM: ASSIGNED: **COMPLETED:** 9/9/1993 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**OTHER** 

REV:

ID2:

4/23/10

**ELEVATION: SEARCH ID:** 190 **DIST/DIR:** 0.14 NW 149 **MAP ID:** 33

NAME: ROUTE COACHWORKS AUTOBODY

CTOT-0509-909 ADDRESS: 244 BROAD ST ID1:

MANCHESTER CT

HARTFORD STATUS: PTP

CONTACT: PHONE: **SOURCE:** 

CT DEP

SITE INFORMATION

SITE INFORMATION

SITE INFORMATION

TRANSFEROR (SELLER): STEVEN A. ROSS

ROSS COACHWORKS, INC. TRANSFEREE (BUYER):

**CERTIFYING PARTY (CP): CP ATTENTION PERSON:** 

TITLE OF CP: **CP ADDRESS:** 

FORM: DATE RECEIVED: 9/9/1993 DATE ACKNOWLEDGED: 11/12/1993

**DETERMINATION DATE:** 

TRANSFEROR (SELLER): WILLIAM T. POLESHUK TRANSFEREE (BUYER): EDWARD J. DYMENT

**CERTIFYING PARTY (CP):** 

**CP ATTENTION PERSON:** TITLE OF CP:

**CP ADDRESS:** 

FORM:

DATE RECEIVED: 9/9/1993 DATE ACKNOWLEDGED: 11/9/1993

**DETERMINATION DATE:** 

TRANSFEROR (SELLER): STEVEN AND FRANI ROSS

TRANSFEREE (BUYER): JREC, LLC **CERTIFYING PARTY (CP):** STEVEN A. ROSS **CP ATTENTION PERSON:** STEVEN A. ROSS

TITLE OF CP: OWNER

14 SANDALWOOD LANE **CP ADDRESS:** 

OLD LYME, CT 06371

FORM: Ш DATE RECEIVED: 2/25/2008 DATE ACKNOWLEDGED: 5/5/2008 **DETERMINATION DATE:** 5/29/2008

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 50 **DIST/DIR:** 0.14 NE **ELEVATION:** 149 **MAP ID:** 34

NAME: CTS

REV: 11/18/10 ADDRESS: 257 BROAD ST 200804561 ID1:

MANCHESTER CT

ID2: HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 7/21/2008 TIME OF RELEASE: 12:00:00 PM **ACTION:** CLEANED

DISHCHARGER: CTS

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 7/21/2008 TIME OF RELEASE: 12:00:00 PM ACTION: OTHER

DISHCHARGER: CTS

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**SITE INFORMATION** 

DATE OF RELEASE: 7/21/2008 TIME OF RELEASE: 12:00:00 PM **ACTION:** REMOVED

DISHCHARGER: CTS

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 7/21/2008 1:15:31 PM REPORTED BY: SHAY ROSEMEN

REPORTER S PHONE: 5661710

MATERIAL RELEASED: LATEX PAINT **QUANTITY SPILLED:** 30 GAL

CAUSE OF INCIDENT: CONTAINER FAILURE

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 168 **DIST/DIR:** 0.14 NE 149 MAP ID: 34

**REV:** NAME: 11/18/10 **ADDRESS:** 257 BROAD ST

200602843 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 5/16/2006 TIME OF RELEASE: 11:51:00 AM **ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 5/16/2006 12:53:38 PM REPORTED BY: APRIL URBAN REPORTER S PHONE: 6436636

MATERIAL RELEASED: LATEX PAINT **QUANTITY SPILLED:** 15 GAL

CAUSE OF INCIDENT: CONTAINER FAILURE

EMERGENCY MEASURES: ABSORBANTS APPLIED - 80-90 % ABSORBED.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040 **SPILLS SEARCH ID:** 53 **DIST/DIR:** 0.14 NW **ELEVATION:** 120 **MAP ID:** 35 NAME: JASON WRIGHT REV: 3/13/01 ADDRESS: 408 MIDDLE TPKE W 936428 ID1: MANCHESTER CT 06040 ID2: HARTFORD STATUS: CLOSED CONTACT: JASON WRIGHT PHONE: 203 291 492 SOURCE: CT DEP SITE INFORMATION INSPECTOR S BADGE NUMBER: 936 REPORT DATE: REPORT TIME: 11/26/93 15 **ACTUAL TIME:** REPORTER: DISP DAPPOLLONI FIRE DEPT WORK PHONE: 203 647 3262 HOME PHONE: **POLE NUMBER: INCIDENT TYPE:** PETROLEUM DISCHARGED: MOTOR OIL **GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL: ACROSS PROPERTY LINES: CERCLA: **EMERGENCY CLEANUP: REP QUAN:** TOTAL POUNDS: **DESCRIPTION:** DATE: 11/26/93 **DATE UNKNOWN: CONTINUOUS SPILL:** SPILL TIME: **RELEASE TERMINATED:** Y **ONGOING RELEASE:** UNKNOWN: CONTAINED: ADDITIONAL INFORMATION: DEP CHIEF MCDONALD ON SITE WATERBODY: RIVER: TRIBUTARY: LIS: **CATCH BASIN:** Y POND: AIR: SURFACE WATER: Y **GROUND WATER:** GROUND SURFACE: INSIDE BUILDING: OTHER AREA: TOTAL RECOVERED FROM WATER: TOTAL IN WATER: 2 TOTAL RECOVERED: JASON WRIGHT RESPONSIBLE PARTY: **5B DOWNEY DRIVE** MANCHESTER CT 6040 ACCEPT RESPONSIBILITY: PHONE: 203 291 492 Y POLLUTER UNKNOWN: CLEANUP ACTION TAKEN: **SORBENTS DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT: NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL: NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE: NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE: NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE: - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 53 **DIST/DIR:** 0.14 NW **ELEVATION:** 120 **MAP ID:** 35

 NAME:
 JASON WRIGHT
 REV:
 3/13/01

 ADDRESS:
 408 MIDDLE TPKE W
 ID1:
 936428

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED PHONE: 202 201 402

CONTACT: JASON WRIGHT PHONE: 203 291 492 SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

**DISCHARGE CLASS:** PRIVATE

CAUSE: DUMPING

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

NOT 911 EMERGENCY:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

936

ASSIGNED TIME:

15 45

NOTIFICATION STATUS:

NOT 911 EMERGENCY: NOTIFICATION CT EMERGENCY SPILLFUND USED: CASE NUMBER:

CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT: Y

**DATE UPDATED:** 11/26/93 **COPY:** 

**QUAN FET:** 

MISCELLANEOUS INFORMATION: JASON WRIGHT DUMPED MOTOR OIL INTO CATCH M P D ARRESTED WRIGHT FD CLEANED

CATCH BASINS

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 152 **DIST/DIR:** 0.14 SE **ELEVATION:** 164 **MAP ID:** 36

**REV:** NAME: 11/18/10 ADDRESS: 425 BROAD ST

200700426 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/21/2007 TIME OF RELEASE: 12:56:00 PM **ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 1/21/2007 12:56:07 PM

REPORTED BY: DISPATCHER REPORTER S PHONE: 5338625

GASOLINE MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 86 **DIST/DIR:** 0.14 SE **ELEVATION:** 164 **MAP ID:** 36

 NAME:
 SAA
 REV:
 11/18/10

 ADDRESS:
 BROAD ST
 ID1:
 200506531

BROAD ST ID1: 200506531 MANCHESTER CT ID2:

STATUS: CLOSED

CONTACT: NO RESPONSE PHONE:

**SOURCE:** CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 9/29/2005 **TIME OF RELEASE:** 3:47:00 PM **ACTION:** CONTRACTED

**DISHCHARGER:** SAA

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

**DATE OF RELEASE:** 9/29/2005 **TIME OF RELEASE:** 3:47:00 PM **ACTION:** OTHER

DISHCHARGER: SAA

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

 REPORT TIME:
 9/29/2005 3:59:49 PM

 REPORTED BY:
 KEN HYNES

 REPORTER S PHONE:
 2501926

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:** 10 GAL

CAUSE OF INCIDENT: TRANS/CAPAC.

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** PCB TO BE SAMPLED/PRESUMED CONTAMINATED

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 153 **DIST/DIR:** 0.14 SE **ELEVATION:** 164 **MAP ID:** 36

**REV:** NAME: 11/18/10 ADDRESS: 425 BROAD ST

200503291 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 5/28/2005

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 5/28/2005 10:13:06 AM

REPORTED BY: 5159 REPORTER S PHONE: 5338625

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 143 **ELEVATION: DIST/DIR:** 0.14 SE 164 **MAP ID:** 36

**REV:** NAME: 11/18/10 ADDRESS: 425 BROAD ST

200407055 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/11/2004 TIME OF RELEASE: 6:23:00 PM **ACTION:** REFERRED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 10/11/2004 6:23:39 PM

DONAHUE REPORTED BY: REPORTER S PHONE: 5338625

UNKNOWN SUBSTANCE MATERIAL RELEASED:

CAUSE OF INCIDENT: SEEPAGE

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** UNKNOWN SUBSTANCE AND UNKNOWN AMOUNT OF FLUID LEAKING

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 144 **DIST/DIR:** 0.14 SE **ELEVATION:** 164 **MAP ID:** 36

 NAME:
 REV:
 11/18/10

 ADDRESS:
 425 BROAD ST
 ID1:
 9908245

MANCHESTER CT ID2:

STATUS: CLOSED

CONTACT: EMANUELSON, BRIAN
SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 12/7/1999

TIME OF RELEASE:

ACTION: OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 12:33:00 AM **REPORTED BY:** MANCHESTER FIRE

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: DIESEL FUEL OUANTITY SPILLED: 30 GAL

CAUSE OF INCIDENT: MV ACCIDENT

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** SPILL INTO STORM DRAIN

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 145 **DIST/DIR:** 0.14 SE **ELEVATION:** 164 **MAP ID:** 36

 NAME:
 REV:
 11/18/10

 ADDRESS:
 425 BROAD ST
 ID1:
 9806568

MANCHESTER CT ID2:

STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/26/1998 TIME OF RELEASE: 12:06:00 AM ACTION: CLEANED

DISHCHARGER:

 $\operatorname{CT}$ 

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 12:16:00 AM

**REPORTED BY:** MANCHESTER FIRE 603

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: MOTOR OIL QUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: HOSE FAILURE

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 154 **ELEVATION: DIST/DIR:** 0.14 SE 164 **MAP ID:** 36

**REV:** NAME: 11/18/10 ADDRESS: BROAD ST

200500016 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/3/2005

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 1/3/2005 10:00:36 AM

DOUGAN REPORTED BY: REPORTER S PHONE: 5338625

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SPEEDY DRY. PREVIOUSLY ASSIGNED CASE 2004-08919.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 76 **DIST/DIR:** 0.14 SE **ELEVATION:** 164 **MAP ID:** 36

 NAME:
 NABISCO FOODS
 REV:
 11/18/10

 ADDRESS:
 425 BROAD ST
 ID1:
 200009260

425 BROAD ST ID1: 200009260 MANCHESTER CT ID2:

STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 12/8/2000

TIME OF RELEASE:

ACTION: REMOVED

**DISHCHARGER:** NABISCO FOODS

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

**DATE OF RELEASE:** 12/8/2000

TIME OF RELEASE:

ACTION: CONTAINED

**DISHCHARGER:** NABISCO FOODS

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 12/8/2000 8:03:46 AM

**REPORTED BY:** DISP. 605 **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: DIESEL FUEL QUANTITY SPILLED: 20 GAL

CAUSE OF INCIDENT: FUEL TANK FAILURE

EMERGENCY MEASURES: TRUCK WITH LEAKING SADDLE TANK, FD ON SCENE ATTEMPTING TO STOP LEAK AND CONTAIN SPILL, REQUESTING RESPONSE, FD CALLED BACK AND ADVISED SPILL CONTAINED AND REMOVED, NO RESPONSE NECESSARY

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 129 **ELEVATION: DIST/DIR:** 0.14 SW 142 MAP ID: 37

REV: NAME: 11/18/10 ADDRESS: 157 SAINT JOHNS ST

200207726 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 11/3/2002

TIME OF RELEASE:

**ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 11/3/2002 1:03:39 PM REPORTED BY: PETER CORNNORTON

REPORTER S PHONE: 6473216

RAW SEWAGE MATERIAL RELEASED: **QUANTITY SPILLED:** 100 GAL

CAUSE OF INCIDENT: **BLOW BACK** 

EMERGENCY MEASURES: CLEANED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**UST** 

**SEARCH ID:** 199 **DIST/DIR:** 0.14 NW **ELEVATION:** 128 **MAP ID:** 38

NAME:FIRST FEDERAL SAVINGS and LOAN, E. HTFD.REV:10/5/10ADDRESS:344 MIDDLE TPKE WID1:09040

MANCHESTER CT 06040 ID2: 77-9040

HARTFORD STATUS: PERMANENTLY CLOSED

CONTACT: PHONE:

**SOURCE:** CT DEP

TOTAL NUMBER OF TANKS: 1

SITE INFORMATION

**FACILITY ID:** 09040

**TANK ID:** 9040-1

TANK STATUS: PERMANENTLY CLOSED-TANK WAS ABANDONED IN GROUND

**DATE INSTALLED:** 5/1/1974 **DATE LAST USED:** 

SUBSTANCE STORED: HEATING OIL CAPACITY (GALS): 4000

TANK MATERIAL: COATED and CATHODICALLY PROTECTED STEEL (STI-P3) TANK PROTECTION:

PIPE MATERIAL: PIPE PROTECTION:

Site Details Page - 95

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 107 **DIST/DIR:** 0.15 NW **ELEVATION:** 151 **MAP ID:** 39

 NAME:
 REV:
 11/18/10

 ADDRESS:
 328 MIDDLE TPKE W
 ID1:
 201003482

MANCHESTER CT ID2: 201003482

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 6/11/2010

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 6/11/2010 3:11:13 PM

**REPORTED BY:** DISP SISE **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ENGINE OIL OUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 2 QUARTS

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 108 **DIST/DIR:** 0.15 NW 151 MAP ID: 39

REV: NAME: 11/18/10 **ADDRESS:** 328 MIDDLE TPKE W 200505550

ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 8/20/2005 TIME OF RELEASE: 5:24:00 PM **ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 8/20/2005 TIME OF RELEASE: 5:24:00 PM **ACTION:** CLEANED

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 8/20/2005 5:36:06 PM

REPORTED BY:

REPORTER S PHONE: 5338625

MATERIAL RELEASED: ANTIFREEZE **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 109 **DIST/DIR:** 0.15 NW **ELEVATION:** 151 **MAP ID:** 39

 NAME:
 REV:
 11/18/10

 ADDRESS:
 328 MIDDLE TPKE W
 ID1:
 200208965

328 MIDDLE TPKE W ID1: 200208965 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 12/27/2002 **TIME OF RELEASE:** 

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 12/27/2002 7:47:23 PM **REPORTED BY:** JOSH STODDARD

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE OUANTITY SPILLED: 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 119 **ELEVATION:** 40 **DIST/DIR:** 0.15 SE 160 **MAP ID:** 

REV: NAME: 11/18/10 ADDRESS: RIDGEWOOD ST and ROOSEVELT ST

200306185 ID1:

MANCHESTER CT ID2: STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 8/21/2003

TIME OF RELEASE:

**ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 8/21/2003 9:03:21 PM REPORTED BY: CONNORTON PETER

REPORTER S PHONE: 3890924

RAW SEWAGE MATERIAL RELEASED:

**QUANTITY SPILLED:** 40 GAL

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** DRAINED DOWN AND TREATED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 125 **DIST/DIR:** 0.15 NW **ELEVATION:** 119 **MAP ID:** 41

 NAME:
 REV:
 11/18/10

 ADDRESS:
 410 MIDDLE TPKE W
 ID1:
 200901782

410 MIDDLE TPKE W ID1: 200901782 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 4/10/2009

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 4/10/2009 9:42:53 PM

**REPORTED BY:** MURDOCK **REPORTER S PHONE:** 5338625

MATERIAL RELEASED: GASOLINE QUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: FUEL TANK FAILURE

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 126 **DIST/DIR:** 0.15 NW **ELEVATION:** 119 **MAP ID:** 41

NAME: **REV:** 11/18/10 ADDRESS: 410 MIDDLE TPKE W 200606038

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/22/2006

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 9/22/2006

TIME OF RELEASE:

**ACTION: CLEANED** 

DISHCHARGER:

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 8:20:00 PM REPORTED BY: DOOLEY REPORTER S PHONE: 5338625

MATERIAL RELEASED: GASOLINE **QUANTITY SPILLED:** 5 GAL

CAUSE OF INCIDENT: FUEL TANK FAILURE

**EMERGENCY MEASURES:** 5 GALLONS GAS LEAKED FROM A MOTOR VEHICLE - FIRE PUT DOWN SAND AND CLEANED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 49 **DIST/DIR:** 0.16 NW **ELEVATION:** 150 **MAP ID:** 42

 NAME:
 CLandP
 REV:
 11/18/10

 ADDRESS:
 242 BROAD ST
 ID1:
 20060188

242 BROAD ST ID1: 200601888 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 4/4/2006

TIME OF RELEASE:

ACTION: CONTRACTED

DISHCHARGER: CLandP

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

**DATE OF RELEASE:** 4/4/2006

TIME OF RELEASE:

ACTION: REMOVED

**DISHCHARGER:** CLandP

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

**DATE OF RELEASE:** 4/4/2006

TIME OF RELEASE:

ACTION: CONTAINED

**DISHCHARGER:** CLandP

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 4/4/2006 10:54:17 AM **REPORTED BY:** WILLIAM BILLINGS

**REPORTER S PHONE:** 6656421

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: TRANS/CAPAC.

EMERGENCY MEASURES: TRANSFORMER LEAKED TO PAVEMENT, ESI CONTRACTED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 66 **ELEVATION: DIST/DIR:** 0.16 NW 128 **MAP ID:** 43

NAME: REV: MULTIPLE MOTORISTS 11/18/10 ADDRESS: 355 MIDDLE TPKE W 200306496 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/4/2003 TIME OF RELEASE: 1:49:00 PM **ACTION:** CONTAINED

DISHCHARGER: MULTIPLE MOTORISTS

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 9/4/2003 2:05:32 PM REPORTED BY: DISP. CHRISTIANSEN

REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED:

**QUANTITY SPILLED:** 3 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SAND

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 122 **DIST/DIR:** 0.16 NW **ELEVATION:** 128 **MAP ID:** 43

 NAME:
 REV:
 11/18/10

 ADDRESS:
 355 MIDDLE TPKE W
 ID1:
 9907713

MANCHESTER CT ID2: 9907/13

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 11/11/1999 **TIME OF RELEASE:** 4:25:00 PM **ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 4:25:00 PM **REPORTED BY:** EASTON **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE OUANTITY SPILLED: 3 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 67 **ELEVATION: DIST/DIR:** 0.16 NW 119 MAP ID: 44

NAME: REV: MVA 11/18/10 **ADDRESS:** 412 MIDDLE TPKE W

200002545 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/19/2000 TIME OF RELEASE: 1:41:00 PM **ACTION:** OTHER

DISHCHARGER: MVA

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY: NO

REPORT TIME: 4/19/2000 1:47:54 PM REPORTED BY: DISP EASTON REPORTER S PHONE: 6437373

MOTOR VEHICLE FLUIDS MATERIAL RELEASED:

**QUANTITY SPILLED:** 0.75 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: MVA, SPEEDI DRI APPLIED.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 128 **DIST/DIR:** 0.16 NW **ELEVATION:** 119 **MAP ID:** 44

 NAME:
 REV:
 3/13/01

 ADDRESS:
 412 MIDDLE TPKE W
 ID1:
 943510

412 MIDDLE TPKE W IDI: 943510 MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED CONTACT: PHONE:

CONTACT: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 933

**REPORT DATE:** 06/29/94 **REPORT TIME:** 11

ACTUAL TIME: 6
REPORTER: DISP GASKELL
POLICE/FIRE DEPT

WORK PHONE: 203 645 5500

HOME PHONE: POLE NUMBER:

INCIDENT TYPE: CHEMICAL DISCHARGED: TCP and WATER ON LABELS

GALLONS: YARDS: POUNDS: CON: DRUMS: 6 FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

203 647 3262

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

DESCRIPTION:

DATE: 06/29/94 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION: DRUMS DUMPED

WATERBODY: RIVER: LIS: TRIBUTARY: CATCH BASIN. POND.

CATCH BASIN: POND: AIR: SURFACE WATER:

GROUND WATER: GROUND SURFACE: INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: REMOVED

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

CLOSED

**SEARCH ID:** 128 **DIST/DIR:** 0.16 NW **ELEVATION:** 119 **MAP ID:** 44

 NAME:
 REV:
 3/13/01

 ADDRESS:
 412 MIDDLE TPKE W
 ID1:
 943510

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CONTACT: PHONE:

SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

**NOTIFICATION TIME:** 

**DISCHARGE CLASS:** OTHER DUMPING

CAUSE: DUMPING

CORRECTIVE ACTION TAKEN: CONTRACTED

CONTRACTOR: Y CONT NAME: CLEAN HARBORS

DID DEP HIRE CONT:YHIRE DATE:WHEN CONT REQUESTED:SECOND REQUEST:ARRIVED:ARRIVED SECOND TIME:RECEIVED BY:CIASULLOBADGE NUMBER:933

RECEIVED BY: CIASULLO BADGE NUMBER: 933
ASSIGNED DATE: 06/29/94 ASSIGNED TIME: 11 20
NOT 911 EMERGENCY: NOTIFICATION STATUS:
CT EMERGENCY SPILLFUND USED: Y CASE NUMBER: 94

CASE NUMBER 2: 3510 FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER: 3

OTHER OWNER:

**PROP NAME:** L M CHARNEY and ASSOC

1440 BROADWAY

NEW YORK NY

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT: Y

**DATE UPDATED:** 06/29/94 **COPY:** 2

**QUAN FET:** 

MISCELLANEOUS INFORMATION: 7 DRUMS DISCOVERED 6/27 W SOME SPILLAGE CLEAN HARBORS HIRED W 1136 FUNDS 2 DRMS MARKED TCP and WATER NO REFERENCE FOUNDFOR TCP DRUMS WERE OPENED AFTER EXAM BY PD DUE TO INCLEMENT WEATHER NO PRINTS

TAKEN HG READINGS NEG W EXCEPTION OF 1 THIS WAS OVERPACKED ALL WERE PROFILED ASSOLID NOS MANIFESTED TO CLEAN HARBORS 7/31 REPORT FROM CLEAN HARBOR SHOWS 1 DRMWAS TRICHLORBENZENE OTHERS GENERIC PETRO

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 127 **ELEVATION: DIST/DIR:** 0.16 NW 119 **MAP ID:** 44

**REV:** NAME: 11/18/10 ADDRESS: 412 MIDDLE TPKE W 9805027 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 7/31/1998

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 7/31/1998 8:11:10 PM

REPORTED BY: 603 REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 68 **DIST/DIR:** 0.16 NW **ELEVATION:** 153 **MAP ID:** 45

NAME: MVA **REV:** 11/18/10 **ADDRESS:** 308 MIDDLE TPKE W

200100540 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/26/2001 TIME OF RELEASE: 3:08:00 PM **ACTION:** CONTAINED

DISHCHARGER: MVA

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 1/26/2001 TIME OF RELEASE: 3:08:00 PM **ACTION:** SANDED

DISHCHARGER: MVA

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

REPORT TIME: 3:16:00 PM

DISPATCHER BOOTH REPORTED BY:

REPORTER S PHONE: 6437373

MATERIAL RELEASED: ANTIFREEZE **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** CONTAINED WITH SPEEDI-DRY APPLIED, NO STORM DRAINS IN AREA

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 198 **DIST/DIR:** 0.16 NW **ELEVATION:** 153 **MAP ID:** 45

 NAME:
 DYNAMIC AUTO LLC
 REV:
 10/5/10

 ADDRESS:
 308 MIDDLE TPKE W
 ID1:
 01205

 MANICHESTER GT 00/10
 77, 1005

MANCHESTER CT 06040 ID2: 77-1205
HARTFORD STATUS: PERMANENTLY CLOSED

CONTACT: PHONE:

SOURCE: CT DEP

TOTAL NUMBER OF TANKS: 10

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 4/1/1958
 DATE LAST USED:
 8/1/2005

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 3000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL

PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION: CATHODICALLY PROTECTED

TANK PROTECTION:

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-10

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:6/1/1991DATE LAST USED:SUBSTANCE STORED:USED OILCAPACITY (GALS):550TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-2

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:4/1/1958DATE LAST USED:SUBSTANCE STORED:GASOLINECAPACITY (GALS):3000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION:

PIPE MATERIAL: PIPE PROTECTION: CATHODICALLY PROTECTED

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-3

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:4/1/1958DATE LAST USED:SUBSTANCE STORED:GASOLINECAPACITY (GALS):2000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:PIPE PROTECTION:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 198 **DIST/DIR:** 0.16 NW **ELEVATION:** 153 **MAP ID:** 45

 NAME:
 DYNAMIC AUTO LLC
 REV:
 10/5/10

 ADDRESS:
 308 MIDDLE TPKE W
 ID1:
 01205

MANCHESTER CT 06040 ID2: 77-1205
HARTFORD STATUS: PERMANENTLY CLOSED

CONTACT: PHONE:

SOURCE: CT DEP

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-4

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:4/1/1958DATE LAST USED:SUBSTANCE STORED:GASOLINECAPACITY (GALS):

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION: PIPE MATERIAL: PIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01205

**TANK ID:** 1205-5

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

**DATE INSTALLED:** 1/1/1981 **DATE LAST USED:** 

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 5000

TANK MATERIAL: COATED and CATHODICALLY PROTECTED STEEL (STI-P3)

PIDE MATERIAL: PROTECTION: CATHODICALLY PROTECTED.

PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION: CATHODICALLY PROTECTED

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-6

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:4/1/1958DATE LAST USED:SUBSTANCE STORED:GASOLINECAPACITY (GALS):550

TANK MATERIAL: ASPHALT COATED OR BARE STEEL PIPE MATERIAL: TANK PROTECTION: PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-7

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:4/1/1958DATE LAST USED:8/1/2005SUBSTANCE STORED:USED OILCAPACITY (GALS):550

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION: PIPE MATERIAL: PIPE PROTECTION:

- Continued on next page -

4000

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**UST** 

**SEARCH ID:** 198 **DIST/DIR:** 0.16 NW **ELEVATION:** 153 **MAP ID:** 45

 NAME:
 DYNAMIC AUTO LLC
 REV:
 10/5/10

 ADDRESS:
 308 MIDDLE TPKE W
 ID1:
 01205

MANCHESTER CT 06040 ID2: 77-1205
HARTFORD STATUS: PERMANENTLY CLOSED

HARTFORD STATUS: CONTACT: PHONE:

SOURCE: CT DEP

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-8

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:2/1/1988DATE LAST USED:8/1/2005SUBSTANCE STORED:OTHER PETROLEUM (SPECIFY)CAPACITY (GALS):6000

TANK MATERIAL: COATED and CATHODICALLY PROTECTED STEEL (STI-P3) TANK PROTECTION:

PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01205

**TANK ID:** 1205-9

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:2/1/1988DATE LAST USED:8/1/2005SUBSTANCE STORED:HEATING OILCAPACITY (GALS):5000

TANK MATERIAL: COATED and CATHODICALLY PROTECTED STEEL (STI-P3) TANK PROTECTION:

PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 103 **DIST/DIR:** 0.16 NW **ELEVATION:** 153 **MAP ID:** 46

NAME: UNKNOWN MOTORIST REV: 11/18/10 ADDRESS: 320 MIDDLE TPKE W 200300056 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/6/2003

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER: UNKNOWN MOTORIST

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 1/6/2003

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: UNKNOWN MOTORIST

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 1/6/2003 10:58:38 AM DISPATCHER 604 REPORTED BY:

REPORTER S PHONE: 6437373

MATERIAL RELEASED: MOTOR OIL **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** MVA, ANDED AND CONTAINED, NO DRAINS INVOLVED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 106 **DIST/DIR:** 0.16 NW **ELEVATION:** 153 **MAP ID:** 46

 NAME:
 REV:
 11/18/10

 ADDRESS:
 320 MIDDLE TPKE W
 ID1:
 200004153

320 MIDDLE TPKE W ID1: 200004153 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 6/10/2000

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

**DATE OF RELEASE:** 6/10/2000

TIME OF RELEASE:

ACTION: CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 6/10/2000 11:56:59 AM

REPORTED BY: DISPATCHER CRISTCHENSON

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: OIL QUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 111 **DIST/DIR:** 0.16 NW **ELEVATION:** 133 **MAP ID:** 47

 NAME:
 REV:
 11/18/10

 ADDRESS:
 WEST MIDDLE TRPK TOWER
 ID1:
 9901441

MANCHESTER CT ID2: 9901441

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 3/4/1999 **TIME OF RELEASE:** 7:49:00 PM **ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

**DATE OF RELEASE:** 3/4/1999 **TIME OF RELEASE:** 7:49:00 PM **ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 7:58:00 PM **REPORTED BY:** DISPATCHER 603

**REPORTER S PHONE:** 6437373

**MATERIAL RELEASED:** ANTIFREEZE **QUANTITY SPILLED:** 5 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 118 **DIST/DIR:** 0.16 NW **ELEVATION:** 128 **MAP ID:** 48

 NAME:
 REV:
 3/13/01

 ADDRESS:
 MIDDLE TPKE W and TOWER RD
 ID1:
 954467

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

**REPORT DATE:** 07/29/95 **REPORT TIME:** 22

ACTUAL TIME: 9

**REPORTER:** FIRE DEPT

**WORK PHONE:** 203 643 7373

**HOME PHONE:** 

POLE NUMBER:

INCIDENT TYPE: CHEMICAL DISCHARGED: ANTIFREEZE

GALLONS: 2 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 07/29/95 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED: Y

ADDITIONAL INFORMATION:

WATERBODY:
LIS:
CATCH BASIN:
RIVER:
TRIBUTARY:
POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE:

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: SANDED

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 118 **DIST/DIR:** 0.16 NW **ELEVATION:** 128 **MAP ID:** 48

 NAME:
 REV:
 3/13/01

 ADDRESS:
 MIDDLE TPKE W and TOWER RD
 ID1:
 954467

MANCHESTER CT 06040 ID2: 954467

HARTFORD STATUS: CLOSED

CONTACT: PHONE:

SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

**DISCHARGE CLASS:** PRIVATE

CAUSE: MOTOR VEHICLE ACCIDENT

CORRECTIVE ACTION TAKEN: SANDED

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

NOT 911 EMERGENCY:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

ASSIGNED TIME:

NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 116 **ELEVATION: DIST/DIR:** 0.16 NW 128 **MAP ID:** 48

REV: NAME: 11/18/10 ADDRESS: MIDDLE TPKE W and TOWER RD 200703141

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 5/19/2007

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 5/19/2007 2:48:31 PM

REPORTED BY: MARVIN REPORTER S PHONE: 6437373

MOTOR VEHICLE FLUIDS MATERIAL RELEASED:

**QUANTITY SPILLED:** 5 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 117 **DIST/DIR:** 0.16 NW **ELEVATION:** 128 **MAP ID:** 48

 NAME:
 REV:
 11/18/10

 ADDRESS:
 MIDDLE TPKE W and TOWER RD
 ID1:
 200502777

MIDDLE TPKE W and TOWER RD

MANCHESTER CT

D1: 200502777

ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 5/7/2005

TIME OF RELEASE:

ACTION: CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

**DATE OF RELEASE:** 5/7/2005

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 5/7/2005 11:37:59 AM **REPORTED BY:** DISPATCHER 603

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE QUANTITY SPILLED: 1.5 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SPEEDY DRI

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 115 **DIST/DIR:** 0.16 NW **ELEVATION:** 128 **MAP ID:** 48

 NAME:
 REV:
 11/18/10

 ADDRESS:
 MIDDLE TPKE W and TOWER RD
 ID1:
 200806648

MIDDLE TPKE W and TOWER RD
MANCHESTER CT
ID1: 20080664

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 10/18/2008

TIME OF RELEASE:

ACTION: OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

**DATE OF RELEASE:** 10/18/2008 **TIME OF RELEASE:** 

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 10/18/2008 4:18:55 PM **REPORTED BY:** DISPATCHER TURCOTTE

**REPORTER S PHONE:** 6437373

**MATERIAL RELEASED:** ANTIFREEZE **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: ABOVE GROUND TANK FAILURE

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 52 **DIST/DIR:** 0.17 NW **ELEVATION:** 144 **MAP ID:** 49

NAME: HOMEOWNER REV: 11/18/10 **ADDRESS:** 325 MIDDLE TPKE W 200308898 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 12/15/2003

TIME OF RELEASE:

**ACTION:** CLEANED

DISHCHARGER: HOMEOWNER

MANCHESTER CT 06040

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 12/15/2003

TIME OF RELEASE:

ACTION: REMOVED

DISHCHARGER: HOMEOWNER

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**SITE INFORMATION** 

DATE OF RELEASE: 12/15/2003

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: **HOMEOWNER** 

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 12/15/2003 3:39:06 PM REPORTED BY: JIM CHRISTENSON

REPORTER S PHONE: 6437373

MATERIAL RELEASED: 2 FUEL OIL **QUANTITY SPILLED:** 5 GAL

CAUSE OF INCIDENT: **OVERFILL** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**LUST** 

CLOSED

SEARCH ID: 220 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 **MAP ID:** 50

NAME: MOTIVA ENTERPRISES REV: 11/30/10 288 MIDDLE TPKE W 200401046 ADDRESS: ID1:

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CONTACT: NO RESPONSE PHONE:

SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 2/19/2004

TIME OF RELEASE:

MOTIVA ENTERPRISES DISHCHARGER:

PO BOX 282 35-31 TALCOTTVILLE RD

VERNON CT 06066

DISCHARGER S PHONE: 860 7492839

ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): GASOLINE 1

CAUSE OF INCIDENT: 3 - INGROUND TANK FAILURE

OTHER:

**REPORT TIME:** 2/19/2004 10:12:15 AM REPORTED BY: DREW KUKUCKKA

REPORTER S PHONE: 5284723

**AGENCY NOTIFIED:** 

9 - DEP

OTHER:

**DEP BUREAU:** BUREAU OF WASTE MANAGEMENT **DEP DIVISIPN:** OIL AND CHEMICAL SPILL RESPONSE

**AGENCY NOTIFIED:** 10 - DEP

OTHER:

**DEP BUREAU:** BUREAU OF WASTE MANAGEMENT

PESTICIDE, PCB, UNDERGROUND TANK and TERMINAL **DEP DIVISIPN:** 

ACTION TAKEN: 10 - REFERRED

OTHER:

0.15-0.19 PPM ETPH, 1.1-37.4 PPB MTBE, 2.2 PPB 1, 2 DCB, 3.1-35.9 PPB DCE. AND OTHER **EMERGENCY MEASURES:** CONSTITUANTS FOUND IN GROUND WATER. CONSULTANT TO EVALUATE INVENTORY RECORDS AND CONTINUE GROUND WATER

MONITORING

**RELEASE CLASS:** 8 - COMMERCIAL

MEDIA AFFECTED: 3 - GROUND WATER

WATERBODY AFFECTED: 4 - GROUNDWATER

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 205 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 **MAP ID:** 50

 NAME:
 SHELL SERVICE STATION
 REV:
 10/5/10

 ADDRESS:
 288 MIDDLE TPKE W
 ID1:
 01201

 MANCHESTER CT 06040
 ID2:
 77, 1201

MANCHESTER CT 06040 ID2: 77-1201 HARTFORD STATUS: CURRENTLY IN USE

CONTACT: PHONE:

**SOURCE:** CT DEP

TOTAL NUMBER OF TANKS: 8

SITE INFORMATION

FACILITY ID: 01201

**TANK ID:** 1201-1

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED:1/1/1950DATE LAST USED:SUBSTANCE STORED:GASOLINECAPACITY (GALS):

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01201

**TANK ID:** 1201-2

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 6/1/1988 DATE LAST USED:

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 12000

TANK MATERIAL:FIBERGLASS REINFORCED PLASTICTANK PROTECTION:DOUBLE-WALLEDPIPE MATERIAL:RIGID FIBERGLASS REINFORCED PLASTICPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01201

**TANK ID:** 1201-3

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 1/1/1950 DATE LAST USED: SUBSTANCE STORED: GASOLINE CAPACITY (GALS):

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01201

**TANK ID:** 1201-4

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 6/1/1988 DATE LAST USED:

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 10000

TANK MATERIAL:FIBERGLASS REINFORCED PLASTICTANK PROTECTION:DOUBLE-WALLEDPIPE MATERIAL:RIGID FIBERGLASS REINFORCED PLASTICPIPE PROTECTION:

- Continued on next page -

8000

8000

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 205 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 **MAP ID:** 50

 NAME:
 SHELL SERVICE STATION
 REV:
 10/5/10

 ADDRESS:
 288 MIDDLE TPKE W
 ID1:
 01201

 MANCHESTER CT 06040
 ID2:
 77, 1201

MANCHESTER CT 06040 ID2: 77-1201 HARTFORD STATUS: CURRENTLY IN USE

CONTACT: PHONE:

**SOURCE:** 

SITE INFORMATION

FACILITY ID: 01201

CT DEP

**TANK ID:** 1201-5

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED:1/1/1950DATE LAST USED:SUBSTANCE STORED:GASOLINECAPACITY (GALS):

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01201

**TANK ID:** 1201-6

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 6/1/1988 DATE LAST USED:

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 12000

TANK MATERIAL:FIBERGLASS REINFORCED PLASTICTANK PROTECTION:DOUBLE-WALLEDPIPE MATERIAL:RIGID FIBERGLASS REINFORCED PLASTICPIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01201

**TANK ID:** 1201-7

TANK STATUS: PERMANENTLY CLOSED-TANK FILLED WITH INERT MATERIAL

 DATE INSTALLED:
 1/1/1950
 DATE LAST USED:
 1/1/1982

 SUBSTANCE STORED:
 USED OIL
 CAPACITY (GALS):
 550

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01201

**TANK ID:** 1201-8

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 6/1/1988 DATE LAST USED:

SUBSTANCE STORED: HEATING OIL CAPACITY (GALS): 1000

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION: DOUBLE-WALLED

PIPE MATERIAL: OTHER (SPECIFY) PIPE PROTECTION:

- Continued on next page -

8000

**Target Property:** 334 BROAD ST 05.P000408.11 **JOB:** 

MANCHESTER CT 06040

UST SEARCH ID: 205 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 MAP ID: 50 NAME: SHELL SERVICE STATION **REV:** 10/5/10 ADDRESS: 288 MIDDLE TPKE W 01201 ID1: MANCHESTER CT 06040 ID2: 77-1201 STATUS: HARTFORD CURRENTLY IN USE **CONTACT:** PHONE: SOURCE: CT DEP

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**OTHER** 

ID2:

**SEARCH ID:** 191 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 MAP ID: 50

NAME: SHELL FACILITY 136329

REV: 4/23/10 CTOT-0509-1065 ADDRESS: 288 MIDDLE TPKE W ID1:

MANCHESTER CT

HARTFORD STATUS: PTP

**CONTACT:** PHONE: CT DEP **SOURCE:** 

SITE INFORMATION

TRANSFEROR (SELLER): MOTIVA ENTERPRISES LLC TRANSFEREE (BUYER): THAPAN GROUP, LLC **CERTIFYING PARTY (CP):** MOTIVA ENTERPRISES LLC **CP ATTENTION PERSON:** CHARLES T. BADRICK

TITLE OF CP: MANAGER REAL ESTATE CONTRACTS

**CP ADDRESS:** P O BOX 4540

HOUSTON, TX 77210

FORM: Ш

DATE RECEIVED: 12/28/2006 DATE ACKNOWLEDGED: 3/29/2007 **DETERMINATION DATE:** 5/1/2007

**SPILLS** 

**SEARCH ID:** 91 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 MAP ID: 50

**REV:** NAME: SHELL OIL FACILITY 13629 11/18/10 ADDRESS: 288 MIDDLE TPKE W ID1: 200605248

MANCHESTER CT ID2:

STATUS: CLOSED HARTFORD

CONTACT: NO RESPONSE PHONE: **SOURCE:** CT DEP

**REPORT TIME:** 8/21/2006 3:40:57 PM

REPORTED BY: SHERRIE HARDMAN REPORTER S PHONE: 2701007

MATERIAL RELEASED: GASOLINE QUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: PUMP FAILURE

EMERGENCY MEASURES: LEAK FROM PUMP TO PEA GRAVEL, VERY SMALL QUANTITY, WILL CONTINUE TO MONITOR

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 187 **ELEVATION: DIST/DIR:** 0.17 NW 154 **MAP ID:** 50

**REV:** NAME: 11/18/10 ADDRESS: 288 MIDDLE TPKE W

200002055 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/31/2000 TIME OF RELEASE: 8:56:00 PM **ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 8:56:00 PM REPORTED BY: DISPATCH REPORTER S PHONE: 6437373

GASOLINE MATERIAL RELEASED: **QUANTITY SPILLED:** 2 GAL

OTHER CAUSE OF INCIDENT:

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 65 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 **MAP ID:** 50

 NAME:
 MOTIVA ENTERPRISES
 REV:
 11/18/10

 ADDRESS:
 288 MIDDLE TPKE W
 ID1:
 200401046

288 MIDDLE TPKE W ID1: 200401 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 2/19/2004

TIME OF RELEASE:

ACTION: REFERRED

**DISHCHARGER:** MOTIVA ENTERPRISES

PO BOX 282 35-31 TALCOTTVILLE RD

VERNON CT 06066

**DISCHARGER S PHONE:** 7492839 **ACCEPTS RESPONSIBILITY:** YES

**REPORT TIME:** 2/19/2004 10:12:15 AM **REPORTED BY:** DREW KUKUCKKA

**REPORTER S PHONE:** 5284723

MATERIAL RELEASED: GASOLINE OUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: INGROUND TANK FAILURE

EMERGENCY MEASURES: 0.15-0.19 PPM ETPH, 1.1-37.4 PPB MTBE, 2.2 PPB 1, 2 DCB, 3.1-35.9 PPB DCE. AND OTHER

 $CONSTITUANTS\ FOUND\ IN\ GROUND\ WATER.\ CONSULTANT\ TO\ EVALUATE\ INVENTORY\ RECORDS\ AND\ CONTINUE\ GROUND\ WATER$ 

MONITORING

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 186 **DIST/DIR:** 0.17 NW **ELEVATION:** 154 **MAP ID:** 50

 NAME:
 REV:
 11/18/10

 ADDRESS:
 288 MIDDLE TPKE W
 ID1:
 200502739

288 MIDDLE TPKE W ID1: 200502739
MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: THIGPEN, DONNELL PHONE:

**SOURCE:** CT DEP

**REPORT TIME:** 5/5/2005 4:32:06 PM **REPORTED BY:** STEVE WROBLESKI

**REPORTER S PHONE:** 6739619

**MATERIAL RELEASED:** GASOLINE **QUANTITY SPILLED:** 20 GAL

CAUSE OF INCIDENT: CARGO TANK FAILURE

EMERGENCY MEASURES: GCS, CONTRACTED. LEAKING SUBMERSIBLE PUMP IN GASOLINE TANK AT GAS STATION.

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 75 **ELEVATION: DIST/DIR:** 0.17 SW 142 MAP ID: 51

NAME: N.U.

REV: 11/18/10 ADDRESS: 53 ALEXANDER ST 200007975 ID1:

MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE:

SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/19/2000 TIME OF RELEASE: 3:50:00 PM **ACTION:** SANDED

DISHCHARGER: N.U.

107 seldon st. BERLIN CT 06037

DISCHARGER S PHONE: 2495895 ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 10/19/2000 4:03:07 PM REPORTED BY: **BOB SODERBURG** 

REPORTER S PHONE: 2495895

HYDRAULIC OIL MATERIAL RELEASED:

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: HOSE FAILURE

EMERGENCY MEASURES: SANDED.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 121 **DIST/DIR:** 0.17 NW **ELEVATION:** 138 **MAP ID:** 52

 NAME:
 REV:
 11/18/10

 ADDRESS:
 333 MIDDLE TPKE W
 ID1:
 200805154

333 MIDDLE TPKE W ID1: 200805154 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

**SITE INFORMATION** 

**DATE OF RELEASE:** 8/13/2008

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 1:45:00 PM **REPORTED BY:** SISE **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: MOTOR OIL OUANTITY SPILLED: 5 GAL

CAUSE OF INCIDENT: OTHER

 $\textbf{EMERGENCY MEASURES:} \qquad \text{OIL SLICK APPROX. 1/4 MILE LONG, AND D.O.T WILL SAND.}$ 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 4 **DIST/DIR:** 0.18 NW **ELEVATION:** 156 **MAP ID:** 53

 NAME:
 C and D CLEANERS CO INC
 REV:
 11/10/10

 ADDRESS:
 299 MIDDLE TPKE W
 ID1:
 CTD018703678

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: SGN

CONTACT: PHONE: SOURCE: EPA

SITE INFORMATION

**UNIVERSE INFORMATION:** 

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GPRA COMPLIANCE MONITORING and ENFORCEMENT: N - NO

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

 SUBJCA:
 N - NO

 SUBJCA TSD 3004:
 N - NO

 SUBJCA NON TSD:
 N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: ---CLOSURE WORKLOAD: ---POST CLOSURE WORKLOAD: ---PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: ---CORRECTIVE ACTION WORKLOAD: N - NO

GENERATOR STATUS: SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000

KG/MONTH OF HAZARDOUS WASTE

NAIC INFORMATION

ENFORCEMENT INFORMATION:

**VIOLATION INFORMATION:** 

**HAZARDOUS WASTE INFORMATION:** 

The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing contain

The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene,

1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; a

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**OTHER** 

**SEARCH ID:** 193 **DIST/DIR:** 0.18 NW **ELEVATION:** 156 **MAP ID:** 53

NAME: U.S. CLEANERS REV: 4/23/10

ADDRESS: 299 MIDDLE TPKE W ID1: CTOT-0509-1098 MANCHESTER CT ID2:

HARTFORD STATUS: PTP

CONTACT: STATUS: FIT

SOURCE: CT DEP

SITE INFORMATION

TRANSFEROR (SELLER): JIN SUNG BOK
TRANSFEREE (BUYER): DJ AND FAMILY, LLC
CERTIFYING PARTY (CP): JIN SUNG BOK
CP ATTENTION PERSON: JIN SUNG BOK

TITLE OF CP:

CP ADDRESS: 136 WOODFIELD CROSSING

GLASTONBURY, CT  $\,06033$ 

FORM:

**DATE RECEIVED:** 10/12/2004 **DATE ACKNOWLEDGED:** 12/1/2004

**DETERMINATION DATE:** 

TRANSFEROR (SELLER): JIN SUNG BOK

TRANSFEREE (BUYER): SOO WON SUH AND EOM BUN SUH

CERTIFYING PARTY (CP): JIN SUNG BOK
CP ATTENTION PERSON: JIN SUNG BOK
TITLE OF CP: OWNER

**CP ADDRESS:** 136 WOODFIELD CROSSING

GLASTONBURY , CT  $\,06033$ 

FORM:

 DATE RECEIVED:
 10/12/2004

 DATE ACKNOWLEDGED:
 12/1/2004

 DETERMINATION DATE:
 2/7/2005

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040 **OTHER** SEARCH ID: 188 **DIST/DIR:** 0.18 NW **ELEVATION:** 156 MAP ID: 53 NAME: **REV:** C and D CLEANERS COMPANY 4/23/10 ADDRESS: 299 MIDDLE TPKE W 4408 ID1: MANCHESTER CT ID2: HARTFORD STATUS: PTP CONTACT: PHONE: SOURCE: CT DEP **INFORMATION ESTABLISHMENT:** C and D CLEANERS COMPANY SELLER: PETER P. DIROSA, JR. **BUYER:** JIN YOUNG LEE FORM: FORM I RECEIVED: 5/2/1990 ACKNOWLEDGED: 8/7/1990 RETURNED: 3/27/1990 **CERTIFIED: REVISED: ECAF RECEIVED:** ECAF REVIEWED: STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: \$ SECOND PAYMENT: **COMMENTS:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** SEARCH ID: 21 **DIST/DIR:** 0.18 NW **ELEVATION:** 156 **MAP ID:** 53 NAME: C and D CLEANERS COMPANY REV: 4/23/10 **ADDRESS:** 299 MIDDLE TPKE W 4408 ID1: MANCHESTER CT 06040 ID2: CTD018703678 STATUS: HARTFORD SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2:** WASTE TYPE3: **DISPOSAL METHOD:** SAMPLE AVAILABLE: NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES FIRESTONE STORE **COMMENTS:** INFORMATION ESTABLISHMENT: C and D CLEANERS COMPANY PETER P. DIROSA, JR. **SELLER: BUYER:** JIN YOUNG LEE FORM: FORM I RECEIVED: 5/2/1990 ACKNOWLEDGED: 8/7/1990 **RETURNED:** 3/27/1990 **CERTIFIED:** REVISED: **ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: SECOND PAYMENT: \$ **COMMENTS:** - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 21 **DIST/DIR:** 0.18 NW **ELEVATION:** 156 **MAP ID:** 53

 NAME:
 C and D CLEANERS COMPANY
 REV:
 4/23/10

 ADDRESS:
 299 MIDDLE TPKE W
 ID1:
 4408

MANCHESTER CT 06040 ID2: CTD018703678 HARTFORD STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP

REFERRAL INFORMATION

SOURCE: PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 5/2/1990

STAFF:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

**COMPLETED:** 5/2/1990 **OUTCOME:** PTP

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 142 **ELEVATION: DIST/DIR:** 0.18 NE 148 MAP ID: 54

REV: NAME: 11/18/10 ADDRESS: 270 MIDDLE TPKE W

200207709 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 11/1/2002

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 11/1/2002 4:51:44 PM

REPORTED BY: LEREUX REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 4 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 200 **DIST/DIR:** 0.18 NE **ELEVATION:** 148 **MAP ID:** 54

 NAME:
 GETTY S/S 6876
 REV:
 10/5/10

 ADDRESS:
 270 MIDDLE TPKE W
 ID1:
 01289

 MANICHESTER CT 06040
 ID2:
 77, 1380

MANCHESTER CT 06040 ID2: 77-1289
HARTFORD STATUS: CURRENTLY IN USE

HARTFORD STATUS: CONTACT: PHONE:

SOURCE: CT DEP

TOTAL NUMBER OF TANKS: 15

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-1 **TANK STATUS:** PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 1/1/1971
 DATE LAST USED:
 6/1/1989

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 4000

TANK MATERIAL: COATED and CATHODICALLY PROTECTED STEEL (STI-P3) TANK PROTECTION:

PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-10

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:6/1/1989DATE LAST USED:12/1/1999SUBSTANCE STORED:HEATING OILCAPACITY (GALS):1000

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION:

PIPE MATERIAL: RIGID FIBERGLASS REINFORCED PLASTIC PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-1

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 6/1/1989
 DATE LAST USED:
 12/1/1999

 SUBSTANCE STORED:
 USED OIL
 CAPACITY (GALS):
 550

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION:

PIPE MATERIAL: RIGID FIBERGLASS REINFORCED PLASTIC PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-12

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 8/1/1989
 DATE LAST USED:
 12/1/1999

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION:

PIPE MATERIAL: RIGID FIBERGLASS REINFORCED PLASTIC PIPE PROTECTION:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 200 **DIST/DIR:** 0.18 NE **ELEVATION:** 148 **MAP ID:** 54

 NAME:
 GETTY S/S 6876
 REV:
 10/5/10

 ADDRESS:
 270 MIDDLE TPKE W
 ID1:
 01289

 MANCHESTER CT 06040
 ID2:
 77-1289

ANCHESTER CT 06040 ID2: 77-1289
ARTFORD STATUS: CURRENTLY IN USE

HARTFORD STATUS: CONTACT: PHONE:

SOURCE: CT DEP

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-13

TANK STATUS: CURRENTLY IN USE-

**DATE INSTALLED:** 1/1/2000 **DATE LAST USED:** 

SUBSTANCE STORED: OTHER PETROLEUM (SPECIFY) CAPACITY (GALS): 10000

TANK MATERIAL:FIBERGLASS REINFORCED PLASTICTANK PROTECTION:DOUBLE-WALLEDPIPE MATERIAL:RIGID FIBERGLASS REINFORCED PLASTICPIPE PROTECTION:

DOUBLE-WALLED

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-14

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 1/1/2000 DATE LAST USED:

SUBSTANCE STORED: OTHER PETROLEUM (SPECIFY) CAPACITY (GALS): 8000

TANK MATERIAL:FIBERGLASS REINFORCED PLASTICTANK PROTECTION:DOUBLE-WALLEDPIPE MATERIAL:RIGID FIBERGLASS REINFORCED PLASTICPIPE PROTECTION:

DOUBLE-WALLED

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-15

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 1/1/2000 DATE LAST USED:

SUBSTANCE STORED: DIESEL CAPACITY (GALS): 6000

TANK MATERIAL:FIBERGLASS REINFORCED PLASTICTANK PROTECTION:DOUBLE-WALLEDPIPE MATERIAL:RIGID FIBERGLASS REINFORCED PLASTICPIPE PROTECTION:

DOUBLE-WALLED

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-2

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

DATE INSTALLED:6/1/1989DATE LAST USED:12/1/1999SUBSTANCE STORED:GASOLINECAPACITY (GALS):10000

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 200 **DIST/DIR:** 0.18 NE **ELEVATION:** 148 **MAP ID:** 54

 NAME:
 GETTY S/S 6876
 REV:
 10/5/10

 ADDRESS:
 270 MIDDLE TPKE W
 ID1:
 01289

 MANCHESTER CT 06040
 ID2:
 77-1289

MANCHESTER CT 06040 ID2: 77-1289 HARTFORD STATUS: CURRENTLY IN USE

CONTACT: PHONE:

SOURCE: CT DEP

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION:

PIPE MATERIAL: RIGID FIBERGLASS REINFORCED PLASTIC PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-3

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 1/1/1969
 DATE LAST USED:
 6/1/1989

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL: COATED and CATHODICALLY PROTECTED STEEL (STI-P3) TANK PROTECTION:

PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-4

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 6/1/1989
 DATE LAST USED:
 12/1/1999

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION:

PIPE MATERIAL: RIGID FIBERGLASS REINFORCED PLASTIC PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-5

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 1/1/1969
 DATE LAST USED:
 6/1/1989

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL: COATED and CATHODICALLY PROTECTED STEEL (STI-P3) TANK PROTECTION:

PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01289

**TANK ID:** 1289-6

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 6/1/1989
 DATE LAST USED:
 12/1/1999

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION:

- More Details Exist For This Site; Max Page Limit Reached -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 64 **DIST/DIR:** 0.18 NE **ELEVATION:** 148 MAP ID: 54

MOTIVA ENTER., LLC. NAME: REV: 11/18/10 ADDRESS: 270 MIDDLE TPKE W ID1: 9908199

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: **SOURCE:** CT DEP

SITE INFORMATION

DATE OF RELEASE: 12/3/1999

TIME OF RELEASE:

**ACTION:** PUMPED OUT

DISHCHARGER: MOTIVA ENTER., LLC.

211 riverside dr.

EAST HARTFORD CT 06108

DISCHARGER S PHONE: 5683481 ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 12/3/1999

TIME OF RELEASE:

ACTION: REMOVED TANK

DISHCHARGER: MOTIVA ENTER., LLC.

211 riverside dr.

EAST HARTFORD CT 06108

**DISCHARGER S PHONE:** 5683481 ACCEPTS RESPONSIBILITY: YES

**SITE INFORMATION** 

DATE OF RELEASE: 12/3/1999

TIME OF RELEASE:

**ACTION:** SOIL REMOVED

DISHCHARGER: MOTIVA ENTER., LLC.

211 riverside dr.

EAST HARTFORD CT 06108

**DISCHARGER S PHONE:** 5683481 ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 12/3/1999 4:26:27 PM REPORTED BY: DAVE SELGER REPORTER S PHONE: 2909300

MATERIAL RELEASED: GASOLINE OR WASTE OIL

**CAUSE OF INCIDENT:** OTHER

**EMERGENCY MEASURES:** SAMPLES TAKEN. REMOVING 1K UST, 10K UST. EXCAVATING SOIL.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 180 **DIST/DIR:** 0.18 NE **ELEVATION:** 148 **MAP ID:** 54

 NAME:
 REV:
 11/18/10

 ADDRESS:
 270 MIDDLE TPKE W
 ID1:
 200104692

270 MIDDLE TPKE W ID1: 200104692 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 6/26/2001

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 6/26/2001 7:24:40 PM **REPORTED BY:** MANCHESTER FIRE

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: DIESEL FUEL

**QUANTITY SPILLED:** 4 GAL

CAUSE OF INCIDENT: OTHER

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 141 **ELEVATION: DIST/DIR:** 0.18 NE 148 MAP ID: 54

REV: NAME: 11/18/10 ADDRESS: 270 MIDDLE TPKE W

200507526 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 11/1/2005 TIME OF RELEASE: 6:50:00 PM **ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 6:50:00 PM REPORTED BY: DISPATCHER REPORTER S PHONE: 5338625

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 110 **DIST/DIR:** 0.18 NW **ELEVATION:** 156 **MAP ID:** 55

 NAME:
 REV:
 11/18/10

 ADDRESS:
 307 MIDDLE TPKE W
 ID1:
 200009560

307 MIDDLE TPKE W ID1: 200009560 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE:

SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 12/19/2000 **TIME OF RELEASE:** 5:46:00 PM **ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 5:46:00 PM **REPORTED BY:** DISPATCHER **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE OUANTITY SPILLED: 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SPEEDY DRYED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 78 **DIST/DIR:** 0.18 NW **ELEVATION:** 156 **MAP ID:** 55

 NAME:
 OIL COMPANY
 REV:
 11/18/10

 ADDRESS:
 307 MIDDLE TPKE W
 ID1:
 9906249

MANCHESTER CT ID2: 9906249

HARTFORD STATUS: CLOSED CONTACT: NO RESPONSE PHONE:

CONTACT: NO RESPONSE PE SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 9/16/1999

TIME OF RELEASE:

ACTION: SANDED

**DISHCHARGER:** OIL COMPANY

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 9/16/1999 11:28:22 AM **REPORTED BY:** DISPATCH EASTON

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: 2 FUEL OIL OUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: OVERFILL

**EMERGENCY MEASURES:** SPEEDY DRY and REMOVE

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 124 **DIST/DIR:** 0.18 NW **ELEVATION:** 122 **MAP ID:** 56

 NAME:
 REV:
 11/18/10

 ADDRESS:
 377 MIDDLE TPKE W
 ID1:
 9802462

MANCHESTER CT ID2: 9802462

HARTFORD STATUS: CLOSED

CONTACT: WILLIAMSON, MATT PHONE:

SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 4/25/1998 **TIME OF RELEASE:** 9:02:00 AM **ACTION:** OTHER

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 4/25/1998 9:16:17 AM

**REPORTED BY:** DARCY **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: UNKNOWN CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** ATTEMPTING TO BOOM

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 130 **DIST/DIR:** 0.19 NW 114 MAP ID: 57

REV: NAME: 11/18/10 ADDRESS: 441 MIDDLE TPKE W 200201954

ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/29/2002

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 3/29/2002

TIME OF RELEASE:

**ACTION: CLEANED** 

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 3/29/2002 4:44:01 PM

REPORTED BY: DISPATCHER CHRISTIANSON

REPORTER S PHONE: 6437373

MATERIAL RELEASED: MOTOR VEHICLE FLUIDS

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES: DISPATCHER 201** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 3 **DIST/DIR:** 0.19 NW **ELEVATION:** 114 **MAP ID:** 57

NAME: BATTISTONS OF MANCHESTER INC REV: 11/10/10
ADDRESS: 441 MIDDLE TPKE W ID1: CTD981205032

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: SGN

CONTACT: PHONE: SOURCE: EPA

#### SITE INFORMATION

#### **UNIVERSE INFORMATION:**

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

 GPRA PERMIT:
 N - NO

 GPRA POST CLOSURE:
 N - NO

 GPRA CA:
 N - NO

 GPRA COMPLIANCE MONITORING and ENFORCEMENT:
 N - NO

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

 SUBJCA:
 N - NO

 SUBJCA TSD 3004:
 N - NO

 SUBJCA NON TSD:
 N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: ----CLOSURE WORKLOAD: ----POST CLOSURE WORKLOAD: ----PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: CORRECTIVE ACTION WORKLOAD: N - NO

GENERATOR STATUS: SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000

KG/MONTH OF HAZARDOUS WASTE

#### NAIC INFORMATION

#### ENFORCEMENT INFORMATION:

#### VIOLATION INFORMATION:

#### **HAZARDOUS WASTE INFORMATION:**

The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; a

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 83 **DIST/DIR:** 0.19 NW **ELEVATION:** 114 **MAP ID:** 57

 NAME:
 PRIVATE VEHICLE
 REV:
 11/18/10

 ADDRESS:
 441 MIDDLE TPKE W
 ID1:
 9800409

MANCHESTER CT ID1: 9800409

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/23/1998
TIME OF RELEASE: 1:48:00 PM
ACTION: SANDED

**DISHCHARGER:** PRIVATE VEHICLE

CT

**DISCHARGER S PHONE:** 00000000

ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 2:04:00 PM **REPORTED BY:** DISPATCHER 601

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 59 **DIST/DIR:** 0.19 SE **ELEVATION:** 160 **MAP ID:** 58

NAME: MANCHESTER S T P REV: 3/13/01 ADDRESS: 15 LINCOLN ST ID1: 931170

MANCHESTER CT 06040 ID2:

STATUS: CLOSED

**CONTACT:** MANCHESTER S T P PHONE: **SOURCE:** CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

REPORT DATE: REPORT TIME: 03/12/93 18

**ACTUAL TIME:** 19

REPORTER: FRAN TAYLOR

TOWN WATER and SEWER

WORK PHONE: 203 647 3111

**HOME PHONE:** 

**POLE NUMBER:** 

**INCIDENT TYPE:** SEWAGE RELATED DISCHARGED: SEWER BYPASS

**GALLONS:** 30 YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP: REP QUAN:** 

TOTAL POUNDS:

**DESCRIPTION:** 

03/12/93 DATE: **DATE UNKNOWN:** 

**CONTINUOUS SPILL:** SPILL TIME: 1819 **RELEASE TERMINATED:** Y **ONGOING RELEASE:** UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION:

WATERBODY: RIVER: TRIBUTARY: LIS:

**CATCH BASIN:** POND: AIR: SURFACE WATER:

GROUND WATER: **GROUND SURFACE:** INSIDE BUILDING: OTHER AREA:

TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED:

MANCHESTER S T P RESPONSIBLE PARTY:

ACCEPT RESPONSIBILITY: PHONE: Y

POLLUTER UNKNOWN:

**CLEANUP ACTION TAKEN:** 

**DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 59 **DIST/DIR:** 0.19 SE **ELEVATION:** 160 **MAP ID:** 58

 NAME:
 MANCHESTER S T P
 REV:
 3/13/01

 ADDRESS:
 15 LINCOLN ST
 ID1:
 931170

MANCHESTER CT 06040 ID2: 931170

STATUS: CLOSED

CONTACT: MANCHESTER S T P PHONE: SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

**DISCHARGE CLASS:** GOVERNMENTAL

CAUSE: NATURAL

CORRECTIVE ACTION TAKEN: REFERRED

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

KELLEY

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

ASSIGNED DATE:

NOT 911 EMERGENCY:

CT EMERGENCY SPILLFUND USED:

RELLE 1

BADGE NUMBER:

ASSIGNED TIME:

NOTIFICATION STATUS:

CASE NUMBER:

CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

QUAN FET:

MISCELLANEOUS INFORMATION: REFERRED TO WATER

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 150 **DIST/DIR:** 0.19 NE **ELEVATION:** 168 MAP ID: 59

REV: NAME: 11/18/10 ADDRESS: 66 ESSEX ST

200207557 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/28/2002

TIME OF RELEASE:

**ACTION:** REFERRED

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 10/28/2002

TIME OF RELEASE:

**ACTION:** OTHER

DISHCHARGER:

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 10/28/2002 2:21:04 AM

REPORTED BY: **ROGER** 

REPORTER S PHONE: 6473125

MATERIAL RELEASED: RAW SEWAGE **QUANTITY SPILLED:** 1000 GAL

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** BYPASS

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 140 **DIST/DIR:** 0.20 SE **ELEVATION:** 176 **MAP ID:** 60

 NAME:
 REV:
 3/13/01

 ADDRESS:
 43 LILAC ST
 ID1:
 944714

43 LILAC ST ID1: 944/14
MANCHESTER CT 06040 ID2:

STATUS: CLOSED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

**REPORT DATE:** 08/18/94 **REPORT TIME:** 12

ACTUAL TIME: 7
REPORTER: KEN

EPORTER: KEN A-1 OIL

WORK PHONE: HOME PHONE:

POLE NUMBER:

INCIDENT TYPE: PETROLEUM DISCHARGED: 2 FUEL OIL

GALLONS: 2 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 08/18/94 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED: Y

ADDITIONAL INFORMATION:

WATERBODY: RIVER: LIS: TRIBUTARY: CATCH BASIN: POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE:

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN: CLEANUP ACTION TAKEN:

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 140 **DIST/DIR:** 0.20 SE **ELEVATION:** 176 **MAP ID:** 60

 NAME:
 REV:
 3/13/01

 ADDRESS:
 43 LILAC ST
 ID1:
 944714

MANCHESTER CT 06040 ID2:
STATUS: CLOSED

CONTACT: PHONE:

SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

**DISCHARGE CLASS:** PRIVATE

CAUSE: OVERFILL

CORRECTIVE ACTION TAKEN: CONTRACTED

CONTRACTOR: Y CONT NAME: TRIS

**DID DEP HIRE CONT:** N **HIRE DATE:** 

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

STAVOLA

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

ASSIGNED DATE:
NOT 911 EMERGENCY:
STAVOLA
BADGE NUMBER:
ASSIGNED TIME:
NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

**QUAN FET:** 

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 171 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 61

REV: NAME: 11/18/10 ADDRESS: 240 MIDDLE TPKE W 200108818

ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/28/2001

TIME OF RELEASE:

**ACTION:** REFERRED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 10/28/2001 TIME OF RELEASE:

**ACTION:** OTHER

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 10/28/2001 12:07:09 PM REPORTED BY: DISPATCHER 604

REPORTER S PHONE: 6437373

GASOLINE MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: CONTAINER FAILURE

**EMERGENCY MEASURES:** GASOLINE RELEASED DUE TO A DEFECTIVE GAS CONTAINER

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 162 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 61

 NAME:
 REV:
 11/18/10

 ADDRESS:
 250 MIDDLE TPKE W
 ID1:
 9702517

MANCHESTER CT ID2: 9/0251/

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 5/19/1997
TIME OF RELEASE: 6:13:00 AM
ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 6:23:00 AM

**REPORTED BY:** MANCHESTER FIRE

**REPORTER S PHONE:** 6473262

MATERIAL RELEASED: GAS QUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: OTHER

EMERGENCY MEASURES: SPEEDY DRY

**Target Property:** 334 BROAD ST 05.P000408.11 **JOB:** 

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 43 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 MAP ID: 61

NAME: ATLAS OIL CO REV: 3/13/01 ADDRESS: 240 MIDDLE TPKE W ID1: 9218

MANCHESTER CT 06040

ID2: HARTFORD STATUS: CLOSED

CONTACT: ATLAS OIL CO PHONE: 203 289 6435 SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 913

REPORT DATE: REPORT TIME: 01/02/92 14

**ACTUAL TIME:** 30

REPORTER: LARRY BORENSTEIN

PETROLEUM CONTRACTORS

WORK PHONE: 203 243 8914

HOME PHONE:

**POLE NUMBER:** 

**INCIDENT TYPE: PETROLEUM** DISCHARGED: **GASOLINE** 

**GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP: REP QUAN:** 

TOTAL POUNDS:

**DESCRIPTION:** 

12/10/91 DATE: DATE UNKNOWN: **CONTINUOUS SPILL:** SPILL TIME: **RELEASE TERMINATED: ONGOING RELEASE:** Y

**UNKNOWN:** CONTAINED:

ADDITIONAL INFORMATION: PRIOR TO DATE OF LINE REMOVAL BY P.C. NORTHEAST TANK SVC TESTED ALL

SYSTEMS THIS ONE ABORTED INITIALLY

WATERBODY: RIVER: LIS: TRIBUTARY: **CATCH BASIN:** POND:

AIR: SURFACE WATER: **GROUND WATER:** Y **GROUND SURFACE:** INSIDE BUILDING: OTHER AREA:

TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED:

RESPONSIBLE PARTY: ATLAS OIL CO

**TNPK** 

EAST HARTFORD CT

PHONE: 203 289 6435 ACCEPT RESPONSIBILITY: Y

POLLUTER UNKNOWN:

NOTIFIED LOCAL FIRE DEPT:

CLEANUP ACTION TAKEN: LINE TEST/MONITORING WELLS

**DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED STATE WASTE BUREAU:

- Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 43 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 MAP ID: 61

NAME: ATLAS OIL CO REV: 3/13/01 240 MIDDLE TPKE W ADDRESS: ID1: 9218

MANCHESTER CT 06040

ID2: HARTFORD STATUS: CLOSED CONTACT: ATLAS OIL CO PHONE: 203 289 6435

SOURCE: CT DEP

NOTIFIED WEED SOLID WASTE: NOTIFIED WEED HAZ WASTE:

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED F-W: **NOTIFIED P-F:** NOTIFIED OPS: NOTIFIED OTHER: NOTIFIED STATE AGENCIES: **NOTIFICATION DATE:** 

NOTIFICATION TIME:

**DISCHARGE CLASS:** COMMERCIAL

OTHER X-SIPHON **CAUSE:** 

CORRECTIVE ACTION TAKEN: TEST WELLS

CONTRACTOR: **CONT NAME:** DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED: SECOND REQUEST: ARRIVED SECOND TIME: ARRIVED: RECEIVED BY: COSS **BADGE NUMBER:** ASSIGNED TIME: ASSIGNED DATE:

**NOT 911 EMERGENCY:** NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: **CASE NUMBER: CASE NUMBER 2:** FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRAILER: WAS POLLUTER A TRUCK:

OWNER OF TRUCK/TRAILER: OWNERS NAME: **OPERATORS NAME:** MAKE OF VEHICLE: TRUCK REGISTRATION: **VEHICLE MODEL:** 

TRAILER REGISTRATION: **UPDATED WITH INSPECTORS REPORT:** Y

DATE UPDATED: 01/02/92 COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION: CONTACT IS JACK CHAGNON TANKS ARE 3 10K STEEL (SINGLE WALL) 1987

VINTAGE SINGLE M-WELL BY AET SHOWS 2-3 FT PRODUCT

NORTHEAST TESTED TANKS A LINE ON REG UNLEADED LEAKED TO DATE APPRX 35 GAL REMOVED OUT OF WELL 1 ATLAS OIL TO DO SITE ASSESMENT HIRING CONSULTANT TO PUT IN MONITORING WELLS

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**STATE** 

**SEARCH ID:** 32 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 61

 NAME:
 MOBIL 01-QQ5
 REV:
 4/23/10

 ADDRESS:
 240 MIDDLE TPKE W
 ID1:
 2318

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: WASTE TYPE2: WASTE TYPE3:

**DISPOSAL METHOD:** 

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP:

UPDATED BY:POST, M.UPDATED PROGRAM:COREUPDATED:3/28/1995

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 

SITE NAMES

ATLAS OIL ATLAS OIL

**COMMENTS:** 

**REFERRAL INFORMATION** 

**SOURCE:** REMEDIAL - DEP WATER BUREAU - REMEDIATION SECTION

**RECEIVED:** 3/28/1995

STAFF: PROGRAM: ASSIGNED: COMPLETED: OUTCOME:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 169 **DIST/DIR:** 0.21 NE 150 MAP ID: 61

REV: NAME: 11/18/10 ADDRESS: 240 MIDDLE TPKE W

200805159 ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 8/13/2008

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 8/13/2008

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

REPORT TIME: 8/13/2008 5:25:55 PM

REPORTED BY: ERIC X2699 REPORTER S PHONE: 9977725

MATERIAL RELEASED: GASOLINE **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: PUMP FAILURE

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 170 **ELEVATION: DIST/DIR:** 0.21 NE 150 MAP ID: 61

**REV:** NAME: 11/18/10 ADDRESS: 240 MIDDLE TPKE W

200802131 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/9/2008

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 4/9/2008 6:37:28 PM

REPORTED BY:

REPORTER S PHONE: 5338625

MOTOR VEHICLE FLUIDS MATERIAL RELEASED:

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 202 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 61

 NAME:
 MOBIL SERVICE STATION 01-QQ5 R/S 12549
 REV:
 10/5/10

 ADDRESS:
 250 MIDDLE TPKE W
 ID1:
 01114

MANCHESTER CT 06040 ID2: 77-1114

HARTFORD STATUS: CURRENTLY IN USE

CONTACT: PHONE: SOURCE: CT DEP

TOTAL NUMBER OF TANKS: 9

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 6/1/1971
 DATE LAST USED:
 3/1/1987

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION:
PIPE MATERIAL: BARE OR GALVONIZED STEEL PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-2

TANK STATUS: CURRENTLY IN USE-

**DATE INSTALLED:** 4/1/1987 **DATE LAST USED:** 

SUBSTANCE STORED: GASOLINE CAPACITY (GALS):

**TANK MATERIAL:** COATED and CATHODICALLY PROTECTED STEEL (STI-P3) **PIPE MATERIAL:** RIGID FIBERGLASS REINFORCED PLASTIC **TANK PROTECTION: PIPE PROTECTION:** 

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-3

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 6/1/1971
 DATE LAST USED:
 3/1/1987

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-4

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 4/1/1987 DATE LAST USED:

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 10000

TANK MATERIAL:COATED and CATHODICALLY PROTECTED STEEL (STI-P3)TANK PROTECTION:PIPE MATERIAL:RIGID FIBERGLASS REINFORCED PLASTICPIPE PROTECTION:

- Continued on next page -

10000

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 202 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 61

 NAME:
 MOBIL SERVICE STATION 01-QQ5 R/S 12549
 REV:
 10/5/10

 ADDRESS:
 250 MIDDLE TPKE W
 ID1:
 01114

MANCHESTER CT 06040 ID2: 77-1114

HARTFORD STATUS: CURRENTLY IN USE

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-5

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 6/1/1971
 DATE LAST USED:
 3/1/1987

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 10000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:BARE OR GALVONIZED STEELPIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-6

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 4/1/1987 DATE LAST USED:

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 10000

**TANK MATERIAL:** COATED and CATHODICALLY PROTECTED STEEL (STI-P3) **PIPE MATERIAL:** RIGID FIBERGLASS REINFORCED PLASTIC **TANK PROTECTION: PIPE PROTECTION:** 

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-7

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED:6/1/1971DATE LAST USED:SUBSTANCE STORED:KEROSENECAPACITY (GALS):2000

TANK MATERIAL: FIBERGLASS REINFORCED PLASTIC TANK PROTECTION:

PIPE MATERIAL: RIGID FIBERGLASS REINFORCED PLASTIC PIPE PROTECTION:

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-8

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 4/1/1987 DATE LAST USED:

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 10000

TANK MATERIAL:COATED and CATHODICALLY PROTECTED STEEL (STI-P3)TANK PROTECTION:PIPE MATERIAL:OTHER (SPECIFY)PIPE PROTECTION:DOUBLE-WALLED

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 202 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 61

 NAME:
 MOBIL SERVICE STATION 01-QQ5 R/S 12549
 REV:
 10/5/10

 ADDRESS:
 250 MIDDLE TPKE W
 ID1:
 01114

MANCHESTER CT 06040 ID2: 77-1114

HARTFORD STATUS: CURRENTLY IN USE

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

FACILITY ID: 01114

**TANK ID:** 1114-9

TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED: 4/1/1987 DATE LAST USED:

SUBSTANCE STORED: GASOLINE CAPACITY (GALS): 10000

TANK MATERIAL:COATED and CATHODICALLY PROTECTED STEEL (STI-P3)TANK PROTECTION:PIPE MATERIAL:OTHER (SPECIFY)PIPE PROTECTION:DOUBLE-WALLED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 46 **ELEVATION: DIST/DIR:** 0.21 NW 113 MAP ID: 62

REV: NAME: BROOK HAVEN CONDO ASSOCIATION 11/18/10 **ADDRESS:** 426 MIDDLE TPKE E

200206809 ID1:

MANCHESTER CT ID2: HARTFORD STATUS: CLOSED

CONTACT: GOTHBERG, ERIK PHONE:

**SOURCE:** CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/26/2002

TIME OF RELEASE:

**ACTION:** CONTRACTED

DISHCHARGER: BROOK HAVEN CONDO ASSOCIATION

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 9/26/2002 3:32:50 PM

REPORTED BY: ROSE 6463348 REPORTER S PHONE:

MATERIAL RELEASED: 2 FUEL OIL **QUANTITY SPILLED:** 20 GAL

CAUSE OF INCIDENT: TRANSFER LINE FAILURE

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

ID2:

**SEARCH ID:** 84 **DIST/DIR:** 0.21 NW **ELEVATION:** 154 **MAP ID:** 63

 NAME:
 RLR /JRJ ASSOCIATES
 REV:
 3/13/01

 ADDRESS:
 263 MIDDLE TPKE W
 ID1:
 955907

MANCHESTER CT 06040

HARTFORD STATUS: CLOSED PHONE: 202 222 11

**CONTACT:** RLR /JRJ ASSOCIATES **PHONE:** 203 236 1155 **SOURCE:** CT DEP

SITE INFORMATION

**INSPECTOR S BADGE NUMBER:** 933

**REPORT DATE:** 10/25/95 **REPORT TIME:** 11

ACTUAL TIME: 32

**REPORTER:** CARRIE DAN COSSE

DAN COSSE HAIR STYLING 253 WEST MIDDLE TNPK MANCHESTER CT 6040

**WORK PHONE:** 203 647 9879

HOME PHONE:

POLE NUMBER:

INCIDENT TYPE: PETROLEUM DISCHARGED: HYDRAULIC OIL/WATER

GALLONS: 100 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 10/25/95 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED: Y

ADDITIONAL INFORMATION: OIL FROM HYDRAULIC LIFT LEAKING/DISCHARGING OT ADJ PROPERTY

WATERBODY:
LIS:
CATCH BASIN:
RIVER:
TRIBUTARY:
POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE:

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED:

**RESPONSIBLE PARTY:** RLR /JRJ ASSOCIATES

PHONE: 203 236 1155 ACCEPT RESPONSIBILITY: Y

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN:

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 84 **DIST/DIR:** 0.21 NW **ELEVATION:** 154 **MAP ID:** 63

 NAME:
 RLR /JRJ ASSOCIATES
 REV:
 3/13/01

 ADDRESS:
 263 MIDDLE TPKE W
 ID1:
 955907

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED
RIR/IRIASSOCIATES PHONE: 203 236 1155

CONTACT: RLR/JRJ ASSOCIATES PHONE: 203 236 1155

**SOURCE:** CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

DISCHARGE CLASS: COMMERCIAL

CAUSE: CONTAINER FAILURE

CORRECTIVE ACTION TAKEN: CONTRACTED

CONTRACTOR: Y CONT NAME: CLEAN HARBORS

DID DEP HIRE CONT: N HIRE DATE: WHEN CONT REQUESTED: SECOND REQUESTED:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER: 933

ASSIGNED DATE:

ASSIGNED TIME:

ASSIGNED DATE:
NOT 911 EMERGENCY:
CT EMERGENCY SPILLFUND USED:
CASE NUMBER:

CASE NUMBER 2: CASE NUMBER: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT: Y

DATE UPDATED: 10/25/95 COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION: FORMER STOP/SHOP TRUCK LIFT FILED W WATER AND LEAKED OIL OVERFLOWING TO PARKING LOT NECESSITATING IMMEDIATE ACTION CLEAN HARBORS PUMED OUT 10/25 THIS MAY RECUR SITE IS BEING MONITORED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

SEARCH ID: 185 DIST/DIR: 0.21 NW ELEVATION: 154

 NAME:
 REV:
 3/13/01

 ADDRESS:
 263 MIDDLE TPKE W
 ID1:
 953592

MANCHESTER CT 06040 ID2:
HARTFORD STATUS: CLOSED

HARTFORD STATUS: CONTACT: PHONE:

SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR REPORT DATE: 06/07/95

 REPORT DATE:
 06/07/95
 REPORT TIME:
 20

 ACTUAL TIME:
 49

ACTUAL TIME: 49
REPORTER: DISP TURKOTTE

REPORTER: DISP TURKOTTE FIRE DEPT

**WORK PHONE:** 203 643 7373

HOME PHONE: POLE NUMBER:

INCIDENT TYPE: CHEMICAL DISCHARGED: ANTIFREEZE

GALLONS: 1 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 06/07/95 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION:

WATERBODY: RIVER: LIS: TRIBUTARY: CATCH BASIN: POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE: Y

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: 1
RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: SANDED

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**MAP ID:** 

63

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 185 **DIST/DIR:** 0.21 NW **ELEVATION:** 154 **MAP ID:** 63

 NAME:
 REV:
 3/13/01

 ADDRESS:
 263 MIDDLE TPKE W
 ID1:
 953592

MANCHESTER CT 06040 ID2: 933392

HARTFORD STATUS: CLOSED

CONTACT: PHONE: SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

DISCHARGE CLASS: TRANSPORTATION

CAUSE: MOTOR VEHICLE ACCIDENT

CORRECTIVE ACTION TAKEN: SANDED

CONTRACTOR: CONT NAME:
DID DEP HIRE CONT: HIRE DATE:
WHEN CONT DEOUGETED.

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

NOT 911 EMERGENCY:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

ASSIGNED TIME:

NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 184 **ELEVATION: DIST/DIR:** 0.21 NW 154 MAP ID: 63

REV: NAME: 11/18/10

ADDRESS: 263 MIDDLE TPKE W 200002276 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/9/2000

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 4/9/2000 5:57:21 PM

REPORTED BY: ZAJAC REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 54 **ELEVATION: DIST/DIR:** 0.21 NW 154 MAP ID: 63

NAME: REV: M.V.A 11/18/10 **ADDRESS:** 263 MIDDLE TPKE W

9700104 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE:

SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/7/1997 TIME OF RELEASE: 1:08:00 PM **ACTION:** SANDED

DISHCHARGER: M.V.A

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 1/7/1997 1:18:57 PM REPORTED BY: DISPATCHE ZAJAC

REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED:

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 183 **DIST/DIR:** 0.21 NW 154 MAP ID: 63

REV: NAME: 11/18/10 ADDRESS: 263 MIDDLE TPKE W

200002332 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/11/2000 TIME OF RELEASE: 8:40:00 AM **ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 4/11/2000 8:57:22 AM REPORTED BY: DISPATCHER 603

REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 2 GAL

MV ACCIDENT CAUSE OF INCIDENT:

EMERGENCY MEASURES: CONTENTS OF 2 RADIATORS SPILLED DUE TO AN MVA. SANDED

**Target Property:** 334 BROAD ST 05.P000408.11 **JOB:** 

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 63 **DIST/DIR:** 0.21 NW **ELEVATION:** 104 **MAP ID:** 64

NAME: MORANDE FORD REV: 3/13/01 BROAD ST/BIGELOW BRO ADDRESS: ID1: 92608

MANCHESTER CT 06040

ID2: HARTFORD STATUS: CLOSED

**CONTACT: MORANDE FORD** PHONE:

SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 913

REPORT DATE: REPORT TIME: 02/07/92 17

**ACTUAL TIME:** 12

REPORTER: MANCHESTER P D

WORK PHONE: 203 646 4555

HOME PHONE:

**POLE NUMBER:** 

**INCIDENT TYPE:** CHEMICAL DISCHARGED: ANTIFREEZE

**GALLONS:** 10 YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP: REP QUAN:** 

TOTAL POUNDS:

**DESCRIPTION:** 

02/07/92 DATE: DATE UNKNOWN: **CONTINUOUS SPILL:** SPILL TIME: **RELEASE TERMINATED: ONGOING RELEASE:** Y **UNKNOWN:** CONTAINED:

ADDITIONAL INFORMATION: IN BIGELOW BROOK HEAVY AMT ANTIFREEZE COMING OUT FRMPIPE INTO BROOK

WATERBODY: BIGELOW BROOK RIVER: TRIBUTARY: LIS:

**CATCH BASIN:** POND: AIR:

SURFACE WATER: GROUND WATER: Y GROUND SURFACE: INSIDE BUILDING: OTHER AREA:

TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED:

RESPONSIBLE PARTY: MORANDE FORD

CENTER ST

MANCHESTER CT 6040

ACCEPT RESPONSIBILITY: PHONE: Y

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: WASHED DOWN

**DUN BRAD:** 

NOTIFIED FEDERAL GOVERNMENT: NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 63 **DIST/DIR:** 0.21 NW **ELEVATION:** 104 **MAP ID:** 64

 NAME:
 MORANDE FORD
 REV:
 3/13/01

 ADDRESS:
 BROAD ST/BIGELOW BRO
 ID1:
 92608

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: MORANDE FORD PHONE: SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

**DISCHARGE CLASS:** COMMERCIAL

CAUSE: ILLEGAL DISCHARGE

CORRECTIVE ACTION TAKEN: WASHED DOWN

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

02/07/92

NOT 911 EMERGENCY:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

913

ASSIGNED TIME:

17 24

NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:

TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT: Y

DATE UPDATED: 02/07/92 COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION: CLEANING BAYS WASHED DOWN ANTIFREEZE INTO BROOK and CATCH BASIN NO CLEAN

UP COULD TAKE PLACE

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 69 **DIST/DIR:** 0.21 NW **ELEVATION:** 158 **MAP ID:** 65

 NAME:
 MVA
 REV:
 11/18/10

 ADDRESS:
 277 MIDDLE TPKE W
 ID1:
 9808721

MANCHESTER CT ID2: 9808/21

MANCHESTER CT ID2:
HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE:

**SOURCE:** CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 12/22/1998

TIME OF RELEASE:

ACTION: SANDED

**DISHCHARGER:** MVA

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 12/22/1998 9:55:57 AM

**REPORTED BY:** DISP 604 **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: MOTOR VEHICLE FLUIDS

**QUANTITY SPILLED:** 5 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 94 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

NAME: TIRE COUNTRY REV: 11/18/10

ADDRESS: BROAD ST and MIDDLE TPKE W ID1: 200102864

MANCHESTER CT ID2: HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE:

SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 5/1/2001

TIME OF RELEASE:

ACTION: OTHER

**DISHCHARGER:** TIRE COUNTRY

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: NO

**REPORT TIME:** 5/1/2001 12:48:28 PM **REPORTED BY:** STEVEN ARANA

**REPORTER S PHONE:** 6450530

MATERIAL RELEASED: WASTE OIL OUANTITY SPILLED: 50 GAL

CAUSE OF INCIDENT: ABOVE GROUND TANK FAILURE

CAUSE OF INCIDENT: DUMPING

EMERGENCY MEASURES: 5 ABOVE GROUND WASTE OIL TANKS, OWNER HAS A WASTE OIL BURNER, VERY MESSY WITH THE

OIL

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 164 **ELEVATION: DIST/DIR:** 0.21 NE 150 MAP ID: 66

**REV:** NAME: 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W

200605704 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/8/2006

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 9/8/2006 5:56:44 PM

REPORTED BY: REPORTER S PHONE: 6437373

MATERIAL RELEASED: **GASOLINE QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 179 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 3/13/01

 ADDRESS:
 BROAD ST and MIDDLE TPKE W
 ID1:
 912698

BROAD ST and MIDDLE TPKE W ID1: 912698
MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

**REPORT DATE:** 07/12/91 **REPORT TIME:** 15

ACTUAL TIME: 45

**REPORTER:** DAVE CASELLINI

MANCHESTER F D

**WORK PHONE:** 203 643 7373

**HOME PHONE:** 

POLE NUMBER:

INCIDENT TYPE: CHEMICAL DISCHARGED: ANTIFREEZE

GALLONS: 3 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

**DATE:** 07/12/91 **DATE UNKNOWN:** 

CONTINUOUS SPILL:

RELEASE TERMINATED:

UNKNOWN:

SPILL TIME:

ONGOING RELEASE:

CONTAINED:

Y

**ADDITIONAL INFORMATION:** 3 CAR MOTOR VEHICLE ACCIDENT

WATERBODY:
LIS:
CATCH BASIN:

RIVER:
TRIBUTARY:
POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE: INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

**CLEANUP ACTION TAKEN:** SANDED BY F D ALLOWED TO EVAPORATE

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 179 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

NAME: REV: 3/13/01 ADDRESS: BROAD ST and MIDDLE TPKE W ID1: 912698

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: PHONE: **SOURCE:** CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

**NOTIFIED P-F:** NOTIFIED F-W: NOTIFIED OPS: NOTIFIED OTHER: NOTIFIED STATE AGENCIES: NOTIFICATION DATE:

**NOTIFICATION TIME:** 

DISCHARGE CLASS: PRIVATE

**CAUSE:** MOTOR VEHICLE ACCIDENT

CORRECTIVE ACTION TAKEN: EVAPORATED SANDED

CONTRACTOR: **CONT NAME:** DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED: SECOND REQUEST: ARRIVED: ARRIVED SECOND TIME: RECEIVED BY: ZIEMINSKI **BADGE NUMBER:** 

ASSIGNED DATE: **ASSIGNED TIME:** NOT 911 EMERGENCY: **NOTIFICATION STATUS:** CT EMERGENCY SPILLFUND USED: CASE NUMBER:

**CASE NUMBER 2:** FED GOV PAID:

COST RECOVERY EXPENDITURE: PIN: INC CODE: PROPERTY OWNER:

OTHER OWNER:

**PROP NAME:** CITY OF NEW HAVEN

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER: **OWNERS NAME: OPERATORS NAME:** MAKE OF VEHICLE: **VEHICLE MODEL:** TRUCK REGISTRATION:

**UPDATED WITH INSPECTORS REPORT:** TRAILER REGISTRATION:

DATE UPDATED: COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 174 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 11/18/10

 ADDRESS:
 BROAD ST and W MIDDLE TPKE
 ID1:
 200303404

BROAD ST and W MIDDLE TPKE ID1: 200303404
MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 5/6/2003

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 5/6/2003 8:33:13 PM

**REPORTED BY:** FD **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: MOTOR VEHICLE FLUIDS

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 176 **DIST/DIR:** 0.21 NE 150 **MAP ID:** 66

REV: NAME: 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W 200300592

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/31/2003

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 1/31/2003 7:44:35 PM

REPORTED BY: **DISP 603** REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 5 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: MVA ANTIFREEZE, SANDED, NO WATER

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 178 **ELEVATION: DIST/DIR:** 0.21 NE 150 **MAP ID:** 66

**REV:** NAME: 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W 9800060 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/5/1998

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 1/5/1998 6:50:51 PM

REPORTED BY: 601 REPORTER S PHONE: 6437373

MATERIAL RELEASED: ANTIFREEZE **QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 172 **ELEVATION: DIST/DIR:** 0.21 NE 150 **MAP ID:** 66

REV: NAME: 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W 200403334

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 5/23/2004

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 5/23/2004 12:56:02 PM

REPORTED BY: MARVIN REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 3 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 163 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 11/18/10

 ADDRESS:
 BROAD ST and MIDDLE TPKE W
 ID1:
 200805946

BROAD ST and MIDDLE TPKE W ID1: 200805946
MANCHESTER CT ID2:

MANCHESTER CT ID2:
HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 9/17/2008

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 9/17/2008 4:10:01 PM

**REPORTED BY:** DULEY **REPORTER S PHONE:** 5338652

MATERIAL RELEASED: TRANSMISSION OIL

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: CONTAINER FAILURE

**EMERGENCY MEASURES:** SAND TRAIL ALONG ROADS NOT WATER WAYS OR DRAINS.

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 134 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 3/13/01

 ADDRESS:
 BROAD ST and MIDDLE TPKE W
 ID1:
 947120

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

**REPORT DATE:** 11/23/94 **REPORT TIME:** 21

ACTUAL TIME: 12

**REPORTER:** DISP CHRISTIANSEN

FIRE DEPT

**WORK PHONE:** 203 643 7373

**HOME PHONE:** 

**POLE NUMBER:** 

INCIDENT TYPE: CHEMICAL DISCHARGED: ANTIFREEZE

GALLONS: 3 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 11/23/94 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED: Y

ADDITIONAL INFORMATION:

WATERBODY: RIVER: LIS: TRIBUTARY: CATCH BASIN: POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE:

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: SANDED

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

CLOSED

**SEARCH ID:** 134 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 3/13/01

 ADDRESS:
 BROAD ST and MIDDLE TPKE W
 ID1:
 947120

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CONTACT: PHONE:

CONTACT: PHONE SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

**NOTIFICATION TIME:** 

DISCHARGE CLASS: TRANSPORTATION

CAUSE: MOTOR VEHICLE ACCIDENT

CORRECTIVE ACTION TAKEN: SANDED

CONTRACTOR:

DID DEP HIRE CONT:

HIRE DATE:

WHEN CONT REQUESTED.

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

NOT 911 EMERGENCY:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

ASSIGNED TIME:

NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

QUAN FET:

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 136 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

NAME: REV: 3/13/01 ADDRESS: BROAD ST/WEST MILL ID1: 934411

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** PHONE: **SOURCE:** CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

REPORT DATE: REPORT TIME: 08/15/93 18

**ACTUAL TIME:** 31

REPORTER: DISP ARENDT

WORK PHONE: 203 643 7373

**HOME PHONE:** 

**POLE NUMBER:** 

**INCIDENT TYPE:** CHEMICAL DISCHARGED: **ANTIFREEZE** 

**GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP: REP QUAN:** 

TOTAL POUNDS:

**DESCRIPTION:** 

08/15/93 DATE: **DATE UNKNOWN: CONTINUOUS SPILL:** SPILL TIME: **RELEASE TERMINATED:** Y **ONGOING RELEASE: UNKNOWN:** CONTAINED:

ADDITIONAL INFORMATION:

WATERBODY: RIVER: TRIBUTARY: LIS: **CATCH BASIN:** POND:

AIR: SURFACE WATER: GROUND WATER: **GROUND SURFACE:** 

INSIDE BUILDING: OTHER AREA:

TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

ACCEPT RESPONSIBILITY: PHONE:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: CONTAINED/REMOVED

**DUN BRAD:** 

NOTIFIED FEDERAL GOVERNMENT: NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 136 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

NAME: REV: 3/13/01 ADDRESS: BROAD ST/WEST MILL 934411 ID1:

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: PHONE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

**NOTIFIED P-F:** NOTIFIED F-W: **NOTIFIED OPS:** NOTIFIED OTHER: NOTIFIED STATE AGENCIES: NOTIFICATION DATE:

**NOTIFICATION TIME:** 

SOURCE:

DISCHARGE CLASS: PRIVATE

**CAUSE:** MOTOR VEHICLE ACCIDENT

CORRECTIVE ACTION TAKEN: SANDED

CONTRACTOR: **CONT NAME:** DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED: SECOND REQUEST: ARRIVED: ARRIVED SECOND TIME: RECEIVED BY: **BADGE NUMBER: ASSIGNED DATE: ASSIGNED TIME:** NOT 911 EMERGENCY: **NOTIFICATION STATUS:** 

CT EMERGENCY SPILLFUND USED: CASE NUMBER: **CASE NUMBER 2:** FED GOV PAID:

COST RECOVERY EXPENDITURE: PIN:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER: **OWNERS NAME: OPERATORS NAME:** MAKE OF VEHICLE: **VEHICLE MODEL:** TRUCK REGISTRATION:

**UPDATED WITH INSPECTORS REPORT:** TRAILER REGISTRATION:

DATE UPDATED: COPY: **QUAN FET:** 

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 135 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 3/13/01

 ADDRESS:
 BROAD ST and MIDDLE TPKE W
 ID1:
 932167

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

**REPORT DATE:** 05/04/93 **REPORT TIME:** 9

ACTUAL TIME: 40
REPORTER: DISP ARENDT

FIRE DEPT 8TH DIST

**WORK PHONE:** 203 643 7373

HOME PHONE:

POLE NUMBER:

INCIDENT TYPE: PETROLEUM DISCHARGED: DIESEL FUEL

GALLONS: 1 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 05/04/93 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED: Y

ADDITIONAL INFORMATION: TRAIL OF DIESEL APPRX 50 LONG

WATERBODY:
LIS:
CATCH BASIN:

RIVER:
TRIBUTARY:
POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE: Y

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: RESPONSIBLE PARTY:

PHONE: ACCEPT RESPONSIBILITY:

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: SANDED

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: Y NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

CLOSED

**SEARCH ID:** 135 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 3/13/01

 ADDRESS:
 BROAD ST and MIDDLE TPKE W
 ID1:
 932167

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CONTACT: PHONE:

CONTACT: PHONI SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED OTHER:

NOTIFIED STATE AGENCIES: NOTIFICATION DATE: 05/04/93

NOTIFICATION TIME: 940

**DISCHARGE CLASS:** GOVERNMENTAL

CAUSE: OVERFILL

CORRECTIVE ACTION TAKEN: SANDED

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

PORTER

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

RECEIVED BY:
ASSIGNED DATE:
NOT 911 EMERGENCY:
CT EMERGENCY SPILLFUND USED:

PORTER
BADGE NUMBER:
ASSIGNED TIME:
NOTIFICATION STATUS:
CASE NUMBER:

CASE NUMBER 2: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 177 **ELEVATION: DIST/DIR:** 0.21 NE 150 **MAP ID:** 66

REV: NAME: 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W

200106736 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/1/2001

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 9/1/2001 2:51:04 PM

REPORTED BY: STEULETT REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 165 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

 NAME:
 REV:
 11/18/10

 ADDRESS:
 BROAD ST and MIDDLE TPKE W
 ID1:
 200404061

BROAD ST and MIDDLE TPKE W ID1: 200404061
MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE:

**SOURCE:** CT DEP

SITE INFORMATION

DATE OF RELEASE: 6/18/2004
TIME OF RELEASE: 4:48:00 PM
ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

 REPORT TIME:
 4:48:00 PM

 REPORTED BY:
 603

 REPORTER S PHONE:
 6437373

MATERIAL RELEASED: ANTIFREEZE OUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** HALF OF GALLON OF ANTIFREEZE SANDED

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 173 **ELEVATION: DIST/DIR:** 0.21 NE 150 **MAP ID:** 66

REV: NAME: 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W

200307604 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 10/17/2003

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 10/17/2003 4:37:53 PM

REPORTED BY: MARVIN REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 175 **ELEVATION: DIST/DIR:** 0.21 NE 150 **MAP ID:** 66

REV: NAME: 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W

200302170 ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/14/2003

TIME OF RELEASE:

**ACTION:** SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 3/14/2003 5:29:43 PM

REPORTED BY: SISE REPORTER S PHONE: 6437373

ANTIFREEZE MATERIAL RELEASED: **QUANTITY SPILLED:** 0.5 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 74 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

NAME: MVA **REV:** 11/18/10 ADDRESS: BROAD ST and MIDDLE TPKE W

200300083 ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 1/7/2003

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER: MVA

MANCHESTER CT 06040

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 1/7/2003

TIME OF RELEASE:

CLEANED **ACTION:** 

DISHCHARGER: MVA

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 1/7/2003 12:17:44 PM

REPORTED BY: **DISP 604** 

REPORTER S PHONE: 6437373

MATERIAL RELEASED: MOTOR VEHICLE FLUIDS

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 71 **DIST/DIR:** 0.21 NE **ELEVATION:** 150 **MAP ID:** 66

NAME: MVA **REV:** 3/16/04 ADDRESS: BROAD ST and MIDDLE TPKE W

9606749 ID1: MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: 0 PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 12/24/1996 TIME OF RELEASE: 12:30:00 PM **ACTION: SANDED** 

**DISHCHARGER:** MVA

MANCHESTER CT 06040

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 12/24/1996 TIME OF RELEASE: 12:30:00 PM **ACTION:** CLEANED

DISHCHARGER: MVA

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 12:48:00 PM

DISPATCHER CHRISTENSEN REPORTED BY:

REPORTER S PHONE: 6437373

MATERIAL RELEASED: VARIOUS ENGINE FLUIDS

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** SPEEDY DRY AND REMOVE

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 79 **DIST/DIR:** 0.21 NE **ELEVATION:** 166 **MAP ID:** 67

NAME: OWNER

**REV:** 11/18/10 ADDRESS: 58 ESSEX and 53 DURAND ST 9806695 ID1:

MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/30/1998

TIME OF RELEASE:

**ACTION:** CONTAINED

**DISHCHARGER:** OWNER

58 ESSEX STREET

MANCHESTER CT 06040

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 9/30/1998

TIME OF RELEASE:

**ACTION:** REMOVED

DISHCHARGER: OWNER

58 ESSEX STREET

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 4:06:00 PM REPORTED BY: DISP. 601 REPORTER S PHONE: 6437373

MATERIAL RELEASED: MOTOR OIL CAUSE OF INCIDENT: DUMPING

**EMERGENCY MEASURES:** FIRE CHIEF WILL REFER TO SANITARIAN

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 131 **DIST/DIR:** 0.21 NW **ELEVATION:** 108 **MAP ID:** 68

 NAME:
 REV:
 11/18/10

 ADDRESS:
 387 MIDDLE TPKE W
 ID1:
 200701378

387 MIDDLE TPKE W ID1: 200701378 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 3/7/2007 **TIME OF RELEASE:** 12:24:00 PM **ACTION:** SANDED

DISHCHARGER:

 $\operatorname{CT}$ 

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 3/7/2007 12:43:58 PM

**REPORTED BY:** MARVIN **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE OUANTITY SPILLED: 4 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 99 **DIST/DIR:** 0.22 NE **ELEVATION:** 165 **MAP ID:** 69

 NAME:
 UNKNOWN
 REV:
 11/18/10

 ADDRESS:
 40 DURANT ST
 ID1:
 9901005

MANCHESTER CT ID1: 9901005

STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 2/11/1999

TIME OF RELEASE:

ACTION: CONTAINED

**DISHCHARGER:** UNKNOWN

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: NO

**REPORT TIME:** 2/11/1999 3:48:18 PM **REPORTED BY:** DISPATCHER EASTON

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: 2 FUEL OIL OUANTITY SPILLED: 5 GAL

CAUSE OF INCIDENT: TRANSFER LINE FAILURE

EMERGENCY MEASURES: WATER IN BASEMENT CAUSED OIL LINE TO WEEP / PADDED UP BY FIRE DEPARTMENT

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 105 **ELEVATION:** 70 **DIST/DIR:** 0.22 SW 145 **MAP ID:** 

REV: NAME: 11/18/10 ADDRESS: 95 ST JOHN ST

200003031 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 5/6/2000

TIME OF RELEASE:

**ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 5/6/2000 10:45:42 AM REPORTED BY: PATRICK KEARNEY

REPORTER S PHONE: 6458146

RAW SEWAGE MATERIAL RELEASED:

**QUANTITY SPILLED:** 50 GAL

CAUSE OF INCIDENT: BLOW BACK

EMERGENCY MEASURES: SEWER BACKED UP INTO A CELLAR

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**ELEVATION: SEARCH ID:** 132 **DIST/DIR:** 0.22 NW 106 MAP ID: 71

**REV:** NAME: 11/18/10 **ADDRESS:** 430 MIDDLE TPKE E

200105109 ID1: MANCHESTER CT ID2:

STATUS: HARTFORD CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 7/10/2001 TIME OF RELEASE: 11:51:00 PM **ACTION:** CONTAINED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 7/10/2001 TIME OF RELEASE: 11:51:00 PM **ACTION:** OTHER

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 11:51:00 PM REPORTED BY: **BOB BROWN REPORTER S PHONE:** 2495895

MATERIAL RELEASED: TRANSFORMER OIL

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: OTHER

**EMERGENCY MEASURES:** CONTAINED / BEING TESTED FOR PCB

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 133 **DIST/DIR:** 0.22 NW **ELEVATION:** 154 **MAP ID:** 72

 NAME:
 REV:
 11/18/10

 ADDRESS:
 255 MIDDLE TPKE W
 ID1:
 9906244

MANCHESTER CT ID1: 9906244

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 9/16/1999

TIME OF RELEASE:

ACTION: SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 6:29:00 AM

**REPORTED BY:** MANCHESTER FIRE

**REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SANDED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 182 **DIST/DIR:** 0.23 NW **ELEVATION:** 154 **MAP ID:** 73

 NAME:
 REV:
 11/18/10

 ADDRESS:
 241 MIDDLE TPKE W
 ID1:
 9905815

MANCHESTER CT ID1: 9905815

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE:8/29/1999TIME OF RELEASE:3:13:00 PMACTION:SANDED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 3:13:00 PM **REPORTED BY:** DISP 602 **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE OUANTITY SPILLED: 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SPEEDY DRY

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 181 **DIST/DIR:** 0.23 NW **ELEVATION:** 154 **MAP ID:** 73

NAME: REV: 11/18/10 ADDRESS: 241 MIDDLE TPKE W 200203859

ID1: MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 6/10/2002

TIME OF RELEASE:

**ACTION:** CLEANED

DISHCHARGER:

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

SITE INFORMATION

DATE OF RELEASE: 6/10/2002

TIME OF RELEASE:

**ACTION:** NEUTRALIZED

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**SITE INFORMATION** 

DATE OF RELEASE: 6/10/2002

TIME OF RELEASE:

**ACTION:** REMOVED

DISHCHARGER:

CT

**DISCHARGER S PHONE:** ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 6/10/2002 10:51:30 AM

REPORTED BY: DISP 601 REPORTER S PHONE: 6437373

MATERIAL RELEASED: BATTERY ACID

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: CONTAINER FAILURE

**EMERGENCY MEASURES:** NEUTRALIZED AND CLEANED

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 101 **DIST/DIR:** 0.23 NW **ELEVATION:** 154 **MAP ID:** 73

 NAME:
 UNKNOWN MOTORIST
 REV:
 11/18/10

 ADDRESS:
 241 MIDDLE TPKE W
 ID1:
 200200597

241 MIDDLE TPKE W ID1: 20020059' MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 1/28/2002

TIME OF RELEASE:

ACTION: SANDED

**DISHCHARGER:** UNKNOWN MOTORIST

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 1/28/2002 3:33:11 PM

**REPORTED BY:** ZAJAC **REPORTER S PHONE:** 6437373

MATERIAL RELEASED: ANTIFREEZE OUANTITY SPILLED: 4 GAL

CAUSE OF INCIDENT: HOSE FAILURE

EMERGENCY MEASURES: CONTENTS OF RADIATOR OF MVA ON GROUND. NO DRAINS INVOLVED, FD TO SAND.

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 5 **DIST/DIR:** 0.23 NW **ELEVATION:** 154 MAP ID: 73

NAME: CVS PHARMACY 04436 REV: 11/10/10 ADDRESS: 241 MIDDLE TPKE W

CTR000509224 ID1: MANCHESTER CT 06040 ID2:

HARTFORD STATUS: SGN

**CONTACT:** PHONE:

DETAILS NOT AVAILABLE

EPA

**SOURCE:** 

**SPILLS** 

**SEARCH ID: DIST/DIR:** 0.23 SW **ELEVATION:** MAP ID: 74 82 152

NAME: PRIVATE VEHICLE **REV:** 11/18/10 ADDRESS: 467 CENTER ST 200009192 ID1:

MANCHESTER CT ID2:

STATUS: CLOSED **CONTACT:** NO RESPONSE PHONE:

SOURCE: CT DEP

**SITE INFORMATION** 

DATE OF RELEASE: 12/6/2000 TIME OF RELEASE: 9:16:00 AM **ACTION:** SANDED

DISHCHARGER: PRIVATE VEHICLE

CT

**DISCHARGER S PHONE:** 0000000

ACCEPTS RESPONSIBILITY:

REPORT TIME: 12/6/2000 9:28:21 AM

REPORTED BY: DISP. 604 REPORTER S PHONE: 6437373

MATERIAL RELEASED: **ANTIFREEZE QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** SPEEDY DRY

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 96 **DIST/DIR:** 0.23 SW **ELEVATION:** MAP ID: 152 74

NAME: UNK

**REV:** 11/18/10 ADDRESS: 467 CENTER ST 201005343 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT:** NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 9/3/2010

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER: UNK

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY:

REPORT TIME: 9/3/2010 2:48:54 PM

REPORTED BY: DISPATCH REPORTER S PHONE: 5338625

MOTOR OIL MATERIAL RELEASED: CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** CONTENTS OF ENGINE

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

UST

**SEARCH ID:** 201 **DIST/DIR:** 0.23 NE **ELEVATION:** 160 **MAP ID:** 75

NAME:HAGEDURN SERVICE STATIONREV:10/5/10ADDRESS:230 MIDDLE TPKE WID1:01280

MANCHESTER CT 06040 ID2: 77-1280
HARTFORD STATUS: PERMANENTLY CLOSED

HARTFORD STATUS: CONTACT: PHONE:

**SOURCE:** CT DEP

TOTAL NUMBER OF TANKS: 2

SITE INFORMATION

**FACILITY ID:** 01280

TANK ID: 1280-

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 10/1/1953
 DATE LAST USED:
 10/1/1986

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 3000

TANK MATERIAL:ASPHALT COATED OR BARE STEELTANK PROTECTION:PIPE MATERIAL:PIPE PROTECTION:

SITE INFORMATION

**FACILITY ID:** 01280

**TANK ID:** 1280-2

TANK STATUS: PERMANENTLY CLOSED-TANK WAS REMOVED FROM GROUND

 DATE INSTALLED:
 10/1/1953
 DATE LAST USED:
 10/1/1986

 SUBSTANCE STORED:
 GASOLINE
 CAPACITY (GALS):
 3000

TANK MATERIAL: ASPHALT COATED OR BARE STEEL TANK PROTECTION: PIPE MATERIAL: PIPE PROTECTION:

**Target Property:** 334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11

			LUST			
EARCH ID: 210	DIST/DIR:	0.23 NE	ELEVATION:	160	MAP ID:	75
AME: CENTER MOTORS DDRESS: 230 MIDDLE TPKE W MANCHESTER CT 060 HARTFORD DNTACT: DURCE: CT DEP	40		REV: ID1: ID2: STATUS: PHONE:	7/18/06 29084 956 LUST COM	IPLETED (PROGRA	AM NO LON
TE INFORMATION						
CIDENT DATE: ILL CASE ID: IS CASE ID: IT SITE ID:	5/8/1997					
ATERIAL:						
OTOR FUEL: ESEL: ASOLINE: FHER	-1 0 0 <b>0</b>					
AUSE						
CAK ANK: PING: VERFILL EMOVAL:	0 0 0 0					

334 BROAD ST **Target Property:** JOB: 05.P000408.11

MANCHESTER CT 06040

**LUST** 

SEARCH ID: 209 **DIST/DIR:** 0.23 NE **ELEVATION:** 75 160 MAP ID:

NAME: CENTER MOTORS

**REV:** ADDRESS: 230 MIDDLE TPKE W 4946 ID1:

MANCHESTER CT 06040 ID2: HARTFORD STATUS: Y PHONE:

CONTACT:

SOURCE: CT DEP

REPORT DATE: 05-08-97 FED REG: Y

NUMBER OF TANKS: **MATERIAL:** LOW CAPACITY: 1000 HIGH CAPACITY: 1000

PRODUCT: HF2

TANK REMOVED: Y UNCONTROLLED RELEASE: **EMERGENCY:** 

Y TANK RELEASE: PIPING RELEASE: **OVERFILL RELEASE:** 

REMEDIATION: 3 YDS. SOIL REMOVAL **COMPLETE:** 

REFERRED:

**COMMENT:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**LUST** 

**SEARCH ID:** 221 **DIST/DIR:** 0.23 NE **ELEVATION:** 160 **MAP ID:** 75

 NAME:
 REV:
 11/30/10

 ADDRESS:
 230 MIDDLE TPKE W
 ID1:
 9702272

230 MIDDLE TPKE W ID1: 9/022/2 MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: ALEXANDER, ED PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 5/8/1997 **TIME OF RELEASE:** 9:11:00 AM

DISHCHARGER:

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

**CAUSE OF INCIDENT:** 3 - INGROUND TANK FAILURE

OTHER:

**REPORT TIME:** 9:11:00 AM **REPORTED BY:** LYNN **REPORTER S PHONE:** 6473267

AGENCY NOTIFIED:

OTHER:

9 - DEP

**DEP BUREAU:**BUREAU OF WASTE MANAGEMENT**DEP DIVISIPN:**OIL AND CHEMICAL SPILL RESPONSE

**AGENCY NOTIFIED:** 3 - LOCAL FIRE MARSHAL

OTHER:

DEP BUREAU: DEP DIVISIPN:

**ACTION TAKEN:** 17 - REMOVED TANK

OTHER:

**EMERGENCY MEASURES:** TO BE INVESTIGATED

**RELEASE CLASS:** 8 - COMMERCIAL

**MEDIA AFFECTED:** 4 - GROUND SURFACE

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**SPILLS** 

**SEARCH ID:** 146 **DIST/DIR:** 0.23 NE **ELEVATION:** 160 **MAP ID:** 75

 NAME:
 REV:
 11/18/10

 ADDRESS:
 230 MIDDLE TPKE W
 ID1:
 9702272

MANCHESTER CT ID2: 9/022/2

HARTFORD STATUS: CLOSED

CONTACT: ALEXANDER, ED PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 5/8/1997 **TIME OF RELEASE:** 9:11:00 AM **ACTION:** REMOVED TANK

DISHCHARGER:

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

**REPORT TIME:** 9:11:00 AM **REPORTED BY:** LYNN **REPORTER S PHONE:** 6473267

MATERIAL RELEASED: 2 FUEL OIL OR GASOLINE CAUSE OF INCIDENT: INGROUND TANK FAILURE

**EMERGENCY MEASURES:** TO BE INVESTIGATED

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

ID2:

SEARCH ID: 44 **DIST/DIR:** 0.24 NW **ELEVATION:** 156 MAP ID: 76

NAME: BAMBOO GARDENS REV: 3/13/01 924758 **ADDRESS:** 50 OLIVER RD ID1:

MANCHESTER CT 06040

HARTFORD STATUS: CLOSED

**CONTACT: BAMBOO GARDENS** PHONE: 293 647 3173 SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 913

REPORT DATE: REPORT TIME: 09/21/92 10

**ACTUAL TIME:** 12

REPORTER: JOHN KOUGLECK

**SELF** 

WORK PHONE: 203 646 4308

HOME PHONE:

**POLE NUMBER:** 

**INCIDENT TYPE:** PETROLEUM DISCHARGED: COOKING OIL

**GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL:

ACROSS PROPERTY LINES: CERCLA:

**EMERGENCY CLEANUP: REP QUAN:** 

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 09/18/92 **DATE UNKNOWN:** 

**CONTINUOUS SPILL:** SPILL TIME: 100

**RELEASE TERMINATED:** Y **ONGOING RELEASE:** UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION:

WATERBODY: RIVER: TRIBUTARY: LIS:

**CATCH BASIN:** POND:

AIR: SURFACE WATER: **GROUND WATER: GROUND SURFACE:** 

INSIDE BUILDING: OTHER AREA: TOTAL RECOVERED FROM WATER: TOTAL IN WATER:

TOTAL RECOVERED:

BAMBOO GARDENS RESPONSIBLE PARTY:

PLAZA WEST

MANCHESTER CT 6040

ACCEPT RESPONSIBILITY: PHONE: 293 647 3173 Y

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: SOIL REMOVED

**DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 44 **DIST/DIR:** 0.24 NW **ELEVATION:** 156 **MAP ID:** 76

 NAME:
 BAMBOO GARDENS
 REV:
 3/13/01

 ADDRESS:
 50 OLIVER RD
 ID1:
 924758

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED
CONTACT: BAMBOO GARDENS PHONE: 293 647 3173

**SOURCE:** CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

DISCHARGE CLASS: COMMERCIAL

CAUSE: DUMPING

CORRECTIVE ACTION TAKEN: SOIL REMOVAL

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

ASSIGNED DATE:

NOT 911 EMERGENCY:

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

913

ASSIGNED TIME:

NOTIFICATION STATUS:

CT EMERGENCY SPILLFUND USED: CASE NUMBER: CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT: Y

**DATE UPDATED:** 09/21/92 **COPY:** 

**QUAN FET:** 

MISCELLANEOUS INFORMATION: CHINESE RESTAURANT DUMPED COOKING OIL REMOVED SOIL TO LANDFILL

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 104 **DIST/DIR:** 0.24 NW **ELEVATION:** 105 **MAP ID:** 77

 NAME:
 REV:
 11/18/10

 ADDRESS:
 436 MIDDLE TPKE E
 ID1:
 200501330

436 MIDDLE TPKE E ID1: 200501330 MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

**REPORT TIME:** 3/7/2005 6:30:50 PM **REPORTED BY:** MANCHESTER FIRE

**REPORTER S PHONE:** 5338625

MATERIAL RELEASED: ANTIFREEZE

**QUANTITY SPILLED:** 1 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** 

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 51 **ELEVATION:** 105 **DIST/DIR:** 0.24 NW MAP ID: 77

NAME: F.D.

**REV:** 11/18/10 **ADDRESS:** 436 MIDDLE TPKE E 9701773 ID1:

MANCHESTER CT ID2:

HARTFORD STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 4/13/1997 TIME OF RELEASE: 3:15:00 PM **ACTION:** CLEANED

DISHCHARGER: F.D.

CT

DISCHARGER S PHONE:

ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 3:29:00 PM REPORTED BY: ROB DEPIETRO

REPORTER S PHONE: 6473262

OIL AND ANTIFREEZE MATERIAL RELEASED:

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

EMERGENCY MEASURES: SPEEDY DRY

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

SPILLS

**SEARCH ID:** 58 **DIST/DIR:** 0.24 NE **ELEVATION:** 192 **MAP ID:** 78

 NAME:
 MANCHESTER PARKS DEPT
 REV:
 3/13/01

 ADDRESS:
 LODGE DR
 ID1:
 946115

MANCHESTER CT 06040 ID2: STATUS: CLOSED

CONTACT: MANCHESTER PARKS DEPT PHONE: SOURCE: CT DEP

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR

**REPORT DATE:** 10/21/94 **REPORT TIME:** 14

ACTUAL TIME: 29

**REPORTER:** DEPUTY CHIEF MARK SALAFIA

FIRE DEPT

**WORK PHONE:** 203 647 3262

**HOME PHONE:** 

POLE NUMBER:

INCIDENT TYPE: CHEMICAL DISCHARGED: ANTIFREEZE

GALLONS: 1 YARDS: POUNDS: CON: DRUMS: FEDRAL:

CERCLA: ACROSS PROPERTY LINES:

EMERGENCY CLEANUP: REP QUAN:

TOTAL POUNDS:

**DESCRIPTION:** 

DATE: 10/21/94 DATE UNKNOWN:
CONTINUOUS SPILL: SPILL TIME:
RELEASE TERMINATED: Y ONGOING RELEASE:
UNKNOWN: CONTAINED:

ADDITIONAL INFORMATION: PARKS DEPT LOST ANTIFREEZE TO SANDY AREA

WATERBODY:
LIS:
CATCH BASIN:
RIVER:
TRIBUTARY:
POND:

AIR: SURFACE WATER: GROUND WATER: GROUND SURFACE: Y

INSIDE BUILDING: OTHER AREA:

TOTAL IN WATER: TOTAL RECOVERED FROM WATER:

TOTAL RECOVERED: 1

**RESPONSIBLE PARTY:** MANCHESTER PARKS DEPT

PHONE: ACCEPT RESPONSIBILITY: Y

POLLUTER UNKNOWN:

CLEANUP ACTION TAKEN: SOIL REMOVED

DUN BRAD: NOTIFIED FEDERAL GOVERNMENT:

NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL:

NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE:

NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE:

NOTIFIED STATE DOHS:

NOTIFIED STATE WATER BUREAU:

NOTIFIED STATE AIR BUREAU:

NOTIFIED WEED HAZ WASTE:

NOTIFIED WEED SOLID WASTE:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 58 **DIST/DIR:** 0.24 NE **ELEVATION:** 192 **MAP ID:** 78

 NAME:
 MANCHESTER PARKS DEPT
 REV:
 3/13/01

 ADDRESS:
 LODGE DR
 ID1:
 946115

STATUS: CLOSED

CONTACT: MANCHESTER PARKS DEPT PHONE: SOURCE: CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFIED STATE AGENCIES:
NOTIFICATION DATE:

NOTIFICATION TIME:

**DISCHARGE CLASS:** GOVERNMENTAL

CAUSE: CONTAINER FAILURE

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED

CONTRACTOR: CONT NAME: DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED:

ARRIVED:

RECEIVED BY:

STAVOLA

SECOND REQUEST:

ARRIVED SECOND TIME:

BADGE NUMBER:

ASSIGNMENT THATE

ASSIGNED DATE:

NOT 911 EMERGENCY:

CT EMERGENCY SPILLFUND USED:

ASSIGNED TIME:

NOTIFICATION STATUS:

CASE NUMBER:

CASE NUMBER 2: FED GOV PAID:

PIN: COST RECOVERY EXPENDITURE:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
WEHICLE MODEL:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:

TRAILER REGISTRATION: UPDATED WITH INSPECTORS REPORT:

DATE UPDATED: COPY: QUAN FET:

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** SEARCH ID: 80 **DIST/DIR:** 0.24 NW **ELEVATION:** 154 MAP ID: 79 NAME: PREFERRED ENERGY REV: 3/13/01 **ADDRESS:** 56 OLIVER RD ID1: 953393 MANCHESTER CT 06040 ID2: HARTFORD STATUS: CLOSED **CONTACT: PREFERRED ENERGY** PHONE: 203 528 8470 SOURCE: CT DEP SITE INFORMATION INSPECTOR S BADGE NUMBER: NR REPORT DATE: REPORT TIME: 06/27/95 13 **ACTUAL TIME:** 45 REPORTER: DISP ZAKAC FIRE DEPT WORK PHONE: 203 643 7373 HOME PHONE: **POLE NUMBER: INCIDENT TYPE:** PETROLEUM DISCHARGED: 2 FUEL OIL **GALLONS:** YARDS: **POUNDS:** CON: DRUMS: FEDRAL: ACROSS PROPERTY LINES: CERCLA: **EMERGENCY CLEANUP: REP QUAN:** TOTAL POUNDS: **DESCRIPTION:** 06/27/95 DATE: **DATE UNKNOWN: CONTINUOUS SPILL:** SPILL TIME: 1336 **RELEASE TERMINATED: ONGOING RELEASE:** Y UNKNOWN: CONTAINED: ADDITIONAL INFORMATION: OVERFILL - OIL CO DRAINED EXCESS WATERBODY: RIVER: TRIBUTARY: LIS: **CATCH BASIN:** POND: AIR: SURFACE WATER: **GROUND WATER: GROUND SURFACE:** INSIDE BUILDING: Y OTHER AREA: TOTAL RECOVERED FROM WATER: TOTAL IN WATER: TOTAL RECOVERED: PREFERRED ENERGY RESPONSIBLE PARTY: 1351 MAIN ST EAST HARTFORD CT ACCEPT RESPONSIBILITY: PHONE: 203 528 8470 Y POLLUTER UNKNOWN: CLEANUP ACTION TAKEN: SPEEDI DRI **DUN BRAD:** NOTIFIED FEDERAL GOVERNMENT: NOTIFIED COAST GAURD: NOTIFIED FIRE MARSHALL: NOTIFIED LOCAL FIRE DEPT: NOTIFIED POLICE: NOTIFIED ATTORNEY GENERAL: NOTIFIED AQUACULTURE: NOTIFIED STATE DOHS: NOTIFIED STATE WATER BUREAU: NOTIFIED STATE WASTE BUREAU: NOTIFIED STATE AIR BUREAU: NOTIFIED WEED HAZ WASTE: NOTIFIED WEED SOLID WASTE: - Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

SEARCH ID: 80 **DIST/DIR:** 0.24 NW **ELEVATION:** 154 **MAP ID:** 79

NAME: PREFERRED ENERGY REV: 3/13/01 953393 **ADDRESS:** 56 OLIVER RD ID1:

MANCHESTER CT 06040

ID2: HARTFORD STATUS: CLOSED **CONTACT: PREFERRED ENERGY** PHONE: 203 528 8470

**SOURCE:** CT DEP

PERMITTING NOTIFIED: NOTIFIED UST UNIT:

NOTIFIED SOLID WASTE RECOVERY: NOTIFIED ENVIRONMENTAL CONSERVATION:

**NOTIFIED P-F:** NOTIFIED F-W: NOTIFIED OPS: NOTIFIED OTHER: NOTIFIED STATE AGENCIES: NOTIFICATION DATE:

**NOTIFICATION TIME:** 

DISCHARGE CLASS: COMMERCIAL

**CAUSE: OVERFILL** 

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED

CONTRACTOR: **CONT NAME:** DID DEP HIRE CONT: HIRE DATE:

WHEN CONT REQUESTED: SECOND REQUEST: ARRIVED: ARRIVED SECOND TIME: RECEIVED BY: STAVOLA **BADGE NUMBER:** 

ASSIGNED DATE: **ASSIGNED TIME: NOT 911 EMERGENCY: NOTIFICATION STATUS:** CT EMERGENCY SPILLFUND USED: CASE NUMBER:

**CASE NUMBER 2:** FED GOV PAID:

COST RECOVERY EXPENDITURE: PIN:

INC CODE: PROPERTY OWNER:

OTHER OWNER: PROP NAME:

WAS POLLUTER A TRUCK: WAS POLLUTER A TRAILER:

OWNER OF TRUCK/TRAILER: **OWNERS NAME: OPERATORS NAME:** MAKE OF VEHICLE: **VEHICLE MODEL:** TRUCK REGISTRATION:

**UPDATED WITH INSPECTORS REPORT:** TRAILER REGISTRATION:

DATE UPDATED: COPY:

**QUAN FET:** 

MISCELLANEOUS INFORMATION:

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 81 **DIST/DIR:** 0.24 SE **ELEVATION:** 180 **MAP ID:** 80

 NAME:
 PRIVATE VEHICLE
 REV:
 11/18/10

 ADDRESS:
 12 GRISWOLD ST
 ID1:
 9904792

MANCHESTER CT ID2:

STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 7/21/1999 **TIME OF RELEASE:** 1:48:00 PM **ACTION:** DISPERSED

**DISHCHARGER:** PRIVATE VEHICLE

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 00000000

ACCEPTS RESPONSIBILITY:

 REPORT TIME:
 7/21/1999 2:07:17 PM

 REPORTED BY:
 DISP. EASTON

 REPORTER S PHONE:
 6437373

MATERIAL RELEASED: ANTIFREEZE

**QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

CAUSE OF INCIDENT: FIRE

 $\begin{tabular}{ll} \bf EMERGENCY\ MEASURES: & {\tt FLUSHED}\ . \end{tabular}$ 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRAGN** 

**SEARCH ID:** 10 **DIST/DIR:** 0.25 NE **ELEVATION:** 158 **MAP ID:** 81

NAME: TEXACO SERVICE STATION 100042 REV: 7/14/10

ADDRESS: 207 MIDDLE TPKE ID1: CTD983874116

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: SGN

CONTACT: PHONE: SOURCE: EPA

SITE INFORMATION

**UNIVERSE INFORMATION:** 

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: N - NO
GPRA POST CLOSURE: N - NO
GPRA CA: N - NO
GPRA COMPLIANCE MONITORING and ENFORCEMENT: N - NO

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

 SUBJCA:
 N - NO

 SUBJCA TSD 3004:
 N - NO

 SUBJCA NON TSD:
 N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: ---CLOSURE WORKLOAD: ---POST CLOSURE WORKLOAD: ---PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: ---CORRECTIVE ACTION WORKLOAD: N - NO

GENERATOR STATUS: SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000

KG/MONTH OF HAZARDOUS WASTE

NAIC INFORMATION

44711 - GASOLINE STATIONS WITH CONVENIENCE STORES

**ENFORCEMENT INFORMATION:** 

**VIOLATION INFORMATION:** 

**HAZARDOUS WASTE INFORMATION:** 

Ignitable waste Carbon tetrachloride D000

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 70 **DIST/DIR:** 0.25 SE **ELEVATION:** 154 **MAP ID:** 82

NAME: MVA REV: 11/18/10 ADDRESS: 472 CENTER ST

200501288 ID1: MANCHESTER CT ID2:

STATUS: CLOSED

**CONTACT: NO RESPONSE** PHONE: SOURCE: CT DEP

SITE INFORMATION

DATE OF RELEASE: 3/4/2005

TIME OF RELEASE:

**ACTION: SANDED** 

DISHCHARGER: MVA

CT

DISCHARGER S PHONE: ACCEPTS RESPONSIBILITY: NO

SITE INFORMATION

DATE OF RELEASE: 3/4/2005

TIME OF RELEASE:

**ACTION:** CONTAINED

DISHCHARGER: MVA

CT

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: NO

**REPORT TIME:** 3/4/2005 3:34:55 PM DISPATCHER 4 REPORTED BY:

REPORTER S PHONE: 5338625

MATERIAL RELEASED: ANTIFREEZE **QUANTITY SPILLED:** 2 GAL

CAUSE OF INCIDENT: MV ACCIDENT

**EMERGENCY MEASURES:** REPORTED MVA - RELEASE CONTAINED TO PAVEMENT - SANDED BY FIRE DEPARTMENT

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**SPILLS** 

**SEARCH ID:** 90 **DIST/DIR:** 0.25 SW **ELEVATION:** 144 **MAP ID:** 83

 NAME:
 SHALLER AUTO
 REV:
 11/18/10

 ADDRESS:
 506 CENTER ST
 ID1:
 200805917

MANCHESTER CT ID1: 200805917

ID2:

HARTFORD STATUS: CLOSED

CONTACT: 938 PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 9/16/2008

TIME OF RELEASE:

ACTION: OTHER

**DISHCHARGER:** SHALLER AUTO 345 CENTER STREET

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 6477077

ACCEPTS RESPONSIBILITY:

**REPORT TIME:** 9/16/2008 8:37:18 PM

**REPORTED BY:** FD **REPORTER S PHONE:** 5338625

MATERIAL RELEASED: UNKNOWN SUBTANCE

**QUANTITY SPILLED:** 3 YARDS

CAUSE OF INCIDENT: DUMPING

 $\label{eq:emergency measures:} \quad \text{tar like substance}.$ 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040 **STATE** SEARCH ID: 40 **DIST/DIR:** 0.28 SE **ELEVATION:** 175 **MAP ID:** 84 SCHALLER ACURA, INC. NAME: REV: 4/23/10 ADDRESS: 345 CENTER ST ID1: 4432 MANCHESTER CT ID2: **STATUS:** SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2:** WASTE TYPE3: **DISPOSAL METHOD:** SAMPLE AVAILABLE: NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES **COMMENTS:** INFORMATION **ESTABLISHMENT:** SCHALLER ACURA, INC. SELLER: MICHAEL B. LYNCH **BUYER:** RONALD SCHALLER ET AL FORM: FORM I RECEIVED: 12/30/1986 ACKNOWLEDGED: 3/30/1987 **RETURNED: CERTIFIED: REVISED: ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: PEASE, R. **CERTIFIER:** FIRST PAYMENT: SECOND PAYMENT: **COMMENTS:** REFERRAL INFORMATION - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 40 **DIST/DIR:** 0.28 SE **ELEVATION:** 175 **MAP ID:** 84

 NAME:
 SCHALLER ACURA, INC.
 REV:
 4/23/10

 ADDRESS:
 345 CENTER ST
 ID1:
 4432

MANCHESTER CT ID1: 4432

MEANCHESTER CT ID2:

STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP

**SOURCE:** PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 12/30/1986 **STAFF:** PEASE, R.

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

**COMPLETED:** 12/30/1986 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

LUST

**SEARCH ID:** 207 **DIST/DIR:** 0.29 SE **ELEVATION:** 174 **MAP ID:** 85

 NAME:
 BOB BOLAND
 REV:
 11/30/10

 ADDRESS:
 369 CENTER ST
 ID1:
 9703689

MANCHESTER CT 06040 ID2:

STATUS: CLOSED

CONTACT: STAVOLA, ROSANNE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 7/11/1997

TIME OF RELEASE:

**DISHCHARGER:**BOB BOLAND

369 CENTER ST

3 - INGROUND TANK FAILURE

MANCHESTER CT 06040

**DISCHARGER S PHONE:** 860 6465577 **ACCEPTS RESPONSIBILITY:** YES

MATERIAL RELEASED (GAL): WASTE OIL 0

CAUSE OF INCIDENT: OTHER:

REPORT TIME: 11:10:00 AM REPORTED BY: JOE CALLAHAN

REPORTER S PHONE: 6473052

ACTION TAKEN: 17 - REMOVED TANK

OTHER:

EMERGENCY MEASURES: SOIL REMOVAL

**MEDIA AFFECTED:** 6 - OTHER

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

LUST

**REV:** 

**SEARCH ID:** 218 **DIST/DIR:** 0.29 SE **ELEVATION:** 181 **MAP ID:** 86

NAME: MORIARTY BROS.

**ADDRESS:** 301 CENTER ST **ID1:** 1291-1295

MANCHESTER CT 06040 ID2: STATUS: NO

CONTACT: PHONE:

SOURCE: CT DEP

**REPORT DATE:** 11-04-89 **FED REG:** YES

MATERIAL: STEEL NUMBER OF TANKS: 5

LOW CAPACITY: 5000 HIGH CAPACITY: 10000

**PRODUCT:** GAS/HF2

TANK REMOVED:YESUNCONTROLLED RELEASE:YESEMERGENCY:YESTANK RELEASE:PIPING RELEASE:YESOVERFILL RELEASE:

REMEDIATION: SOIL REMOVAL COMPLETE: NO

REFERRED:

**COMMENT:** 

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

MAN	CHESTE	R CT 06040				
			LUST			
SEARCH ID: 219 DIS	ST/DIR:	0.29 SE	ELEVATION:	181	MAP ID:	86
NAME: MORIARTY BROS. ADDRESS: 301 CENTER ST MANCHESTER CT 06040  CONTACT: SOURCE: CT DEP			REV: ID1: ID2: STATUS: PHONE:	7/18/06 28402 376 INVESTIGATIO	ON	
SITE INFORMATION						
INCIDENT DATE: SPILL CASE ID: SITS CASE ID: UST SITE ID:	11/4/1989					
MATERIAL:  MOTOR FUEL: DIESEL: GASOLINE: OTHER	0 0 0 0					
CAUSE						
LEAK TANK: PIPING: OVERFILL REMOVAL:	0 0 0 0					

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 34 **DIST/DIR:** 0.30 SE **ELEVATION:** 188 **MAP ID:** 87

 NAME:
 MORANDE BROS. INC.
 REV:
 4/23/10

 ADDRESS:
 293 CENTER ST
 ID1:
 4426

293 CENTER ST ID1: 4426
MANCHESTER CT ID2:

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: WASTE TYPE2: WASTE TYPE3:

**DISPOSAL METHOD:** 

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP: UPDATED BY:

**UPDATED PROGRAM:** 

**UPDATED:** 

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 293-315 CENTER/410 BROAD ST

SITE NAMES

MORANDE LINCOLN MERCURY MAZDA

**COMMENTS:** 293-315 CENTER/410 BROAD ST

INFORMATION

**ESTABLISHMENT:** MORANDE LINCOLN MERCURY MAZDA

SELLER: R and W ASSOCIATES
BUYER: ADRIAN REALTY TRUST

 FORM:
 FORM III
 RECEIVED:
 12/20/1994

 ACKNOWLEDGED:
 5/23/1995
 RETURNED:
 2/23/1995

 CERTIFIED:
 REVISED:
 5/23/1995

ECAF RECEIVED: ECAF REVIEWED:

STATUS: R

STAFF:

**CERTIFIER:** ADRIAN REALTY TRUST, TRANSFEREE

,

FIRST PAYMENT: \$2000 SECOND PAYMENT: \$

**COMMENTS:** 

**INFORMATION** 

- Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**STATE** 

SEARCH ID: 34 **DIST/DIR:** 0.30 SE **ELEVATION:** 188 **MAP ID:** 87

NAME: MORANDE BROS. INC. REV: 4/23/10 ADDRESS: 293 CENTER ST ID1: 4426

MANCHESTER CT ID2:

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

ESTABLISHMENT: MORANDE BROS. INC. MORIARITY BROTHERS INC. SELLER:

**BUYER:** R and W ASSOCIATES

FORM: FORM III RECEIVED: 7/13/1990 ACKNOWLEDGED: **RETURNED:** 

10/3/1991 **CERTIFIED:** REVISED: 8/19/1991

**ECAF RECEIVED: ECAF REVIEWED:** 

STATUS: Ν

STAFF: HAMEL, M.

**CERTIFIER:** R and W ASSOCIATES, TRANSFEREE

FIRST PAYMENT: \$4500 SECOND PAYMENT:

**COMMENTS:** FORM RET. 3 TIMES INC.

REFERRAL INFORMATION

REFERRAL INFORMATION

**SOURCE:** PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 12/20/1994

STAFF:

PTP - PROPERTY TRANSFER PROGRAM PROGRAM:

ASSIGNED:

COMPLETED: 12/20/1994 **OUTCOME:** PTP

**SOURCE:** PTP - PROPERTY TRANSFER PROGRAM

RECEIVED: 7/13/1990 STAFF:

PROGRAM: PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

COMPLETED: 7/13/1990 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

LUST

**REV:** 

ID1:

4431

**SEARCH ID:** 216 **DIST/DIR:** 0.30 SE **ELEVATION:** 173 **MAP ID:** 88

**NAME:** KAULL GARAGE

ADDRESS: 342 CENTER ST

MANCHESTER CT 06040 ID2:

STATUS: YES

CONTACT: PHONE:

SOURCE: CT DEP

**REPORT DATE:** 03-07-95 **FED REG:** YES

MATERIAL:UNKNUMBER OF TANKS:1LOW CAPACITY:UNKHIGH CAPACITY:UNK

**PRODUCT:** GAS

TANK REMOVED: UNCONTROLLED RELEASE: EMERGENCY:

TANK RELEASE: PIPING RELEASE: VES

REMEDIATION: 8-10 YDS SOIL REMOVED COMPLETE: YES

REFERRED:

**COMMENT:** 

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

STATE									
SEARCH ID: 17	DIST/DIR:	0.32 SW	ELEVATION:	159	MAP ID:	89			
NAME: A. MICHAEL LUSSIE ADDRESS: 568 CENTER ST MANCHESTER CT  CONTACT: SOURCE: CT DEP	ER		REV: ID1: ID2: STATUS: PHONE:	4/23/10 4404 SUSPECTED					
SITE INFORMATION WASTE TYPE1: WASTE TYPE2:									
WASTE TYPE3: DISPOSAL METHOD: SAMPLE AVAILABLE: LOCATION METHOD: OTHER DEP: UPDATED BY: UPDATED PROGRAM: UPDATED: SW CLASSIFICATION: GW CLASSIFICATION: COMMENTS:	NO								
K MART CENTER  COMMENTS:  INFORMATION ESTABLISHMENT: SELLER: BUYER:	PATRICIA .	AEL LUSSIER A C. COOK AEL LUSSIER							
FORM: ACKNOWLEDGED: CERTIFIED: ECAF RECEIVED:	FORM I 3/20/1996	RETUR REVISI	NED:	1/17/1995 3/8/1995					
STATUS:									
STAFF: CERTIFIER:	,								
FIRST PAYMENT: COMMENTS:	\$200	SECON	D PAYMENT:	\$					
			- (	Continued on ne	ext page -				

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 17 **DIST/DIR:** 0.32 SW **ELEVATION:** 159 **MAP ID:** 89

 NAME:
 A. MICHAEL LUSSIER
 REV:
 4/23/10

 ADDRESS:
 568 CENTER ST
 ID1:
 4404

MANCHESTER CT ID1: 4404

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

REFERRAL INFORMATION

SOURCE: PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 1/17/1995

STAFF:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

**COMPLETED:** 1/17/1995 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**STATE** 90 SEARCH ID: 28 **DIST/DIR:** 0.33 SE **ELEVATION:** 195 **MAP ID:** J and M GRINDING, INC. NAME: REV: 4/23/10 ADDRESS: 266 CENTER ST ID1: 4420 MANCHESTER CT ID2: **STATUS:** SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2:** WASTE TYPE3: **DISPOSAL METHOD:** SAMPLE AVAILABLE: NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES **COMMENTS: INFORMATION ESTABLISHMENT:** J and M GRINDING, INC. SELLER: DONALD L. BENOIT ET AL **BUYER:** S. MARK STEPHENS FORM: FORM I RECEIVED: 6/28/1989 ACKNOWLEDGED: 8/16/1989 **RETURNED:** 6/21/1989 **CERTIFIED: REVISED: ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: SECOND PAYMENT: **COMMENTS:** REFERRAL INFORMATION - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 28 **DIST/DIR:** 0.33 SE **ELEVATION:** 195 **MAP ID:** 90

 NAME:
 J and M GRINDING, INC.
 REV:
 4/23/10

 ADDRESS:
 266 CENTER ST
 ID1:
 4420

MANCHESTER CT ID1: 4420

STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP

**SOURCE:** PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 6/28/1989

STAFF:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

**COMPLETED:** 6/28/1989 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**LUST** 

**SEARCH ID:** 208 **DIST/DIR:** 0.35 NW **ELEVATION:** 120 **MAP ID:** 91

 NAME:
 BROOKHAVEN CONDOMINIUMS
 REV:
 11/30/10

 ADDRESS:
 466 MIDDLE TPKE W
 ID1:
 200208507

E: 466 MIDDLE TPKE W ID1: 20020850 MANCHESTER CT 06040 ID2:

HARTFORD STATUS: CLOSED

CONTACT: NO RESPONSE PHONE: SOURCE: CT DEP

SITE INFORMATION

**DATE OF RELEASE:** 12/5/2002

TIME OF RELEASE:

**DISHCHARGER:** BROOKHAVEN CONDOMINIUMS

606 farmingtn ave HARTFORD CT 06103

**DISCHARGER S PHONE:** 

ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): 2 FUEL OIL 0

**CAUSE OF INCIDENT:** 3 - INGROUND TANK FAILURE

OTHER:

**REPORT TIME:** 12/5/2002 8:53:16 AM **REPORTED BY:** LINDA BOUSARD

**REPORTER S PHONE:** 6463348

**AGENCY NOTIFIED:** 3 - LOCAL FIRE MARSHAL

OTHER: DEP BUREAU: DEP DIVISIPN:

**ACTION TAKEN:** 17 - REMOVED TANK

OTHER:

**ACTION TAKEN:** 18 - SOIL REMOVED

OTHER:

**EMERGENCY MEASURES:** 3K UST REMOVED, SOIL REMOVED

**RELEASE CLASS:** 8 - COMMERCIAL

**MEDIA AFFECTED:** 6 - OTHER

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**LUST** 

**SEARCH ID:** 217 **DIST/DIR:** 0.41 NE **ELEVATION:** 226 **MAP ID:** 92

NAME: LINDA BUTTERO/ CONTACT PERSON FOR R.P REV: 11/30/10

**ADDRESS:** 115 RUSSELL ST **ID1:** 200605918

MANCHESTER CT 06040 ID2:
STATUS: CLOSED

CONTACT: NO RESPONSE PHONE:

**SITE INFORMATION** 

SOURCE: CT DEP

**DATE OF RELEASE:** 9/18/2006

TIME OF RELEASE:

**DISHCHARGER:** LINDA BUTTERO/ CONTACT PERSON FOR R.P

CT

**DISCHARGER S PHONE:** 860 5332917

ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): 2 FUEL OIL 0

**CAUSE OF INCIDENT:** 3 - INGROUND TANK FAILURE

OTHER:

**REPORT TIME:** 9/18/2006 10:45:06 AM **REPORTED BY:** CHIEF TALBOT

REPORTER S PHONE: 2815613

AGENCY NOTIFIED: 14 - LOCAL FIRE DEPARTMENT

OTHER:

DEP BUREAU: DEP DIVISIPN:

**ACTION TAKEN:** 18 - SOIL REMOVED

OTHER:

**ACTION TAKEN:** 15 - REPAIRED TANK

OTHER:

**ACTION TAKEN:** 4 - CONTRACTED

OTHER:

EMERGENCY MEASURES: TANK AND SOIL REMOVAL

**RELEASE CLASS:** 6 - PRIVATE

**MEDIA AFFECTED:** 6 - OTHER

**WATERBODY AFFECTED:** 9 - OTHER

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

ranget Property.	MANCHESTER CT 06040		<b>JOD.</b> 0011 00	0.00.11	
	LUST				
SEARCH ID: 211	DIST/DIR: 0.48 SW	ELEVATION:	168	MAP ID:	93
NAME: DAIRY MART ADDRESS: 653 CENTER ST MANCHESTER CT HARTFORD CONTACT: SOURCE: CT DEP	Γ 06040	REV: ID1: ID2: STATUS: PHONE:	7/18/06 31677 3651 LUST COMPLE	TED (PROGRA	AM NO LON
SITE INFORMATION					
INCIDENT DATE: SPILL CASE ID: SITS CASE ID:	8/30/1990				
UST SITE ID:  MATERIAL:	102				
MOTOR FUEL: DIESEL: GASOLINE: OTHER	-1 0 -1 <b>0</b>				
CAUSE					
LEAK TANK: PIPING: OVERFILL REMOVAL:	0 0 0 0 0				

**Target Property:** 334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11

ELEVATION.			
ELEVATION:	168	MAP ID:	93
REV: ID1: ID2: STATUS: PHONE:	7/18/06 29674 1565 PENDING		
	ID1: ID2: STATUS:	ID1: 29674 ID2: 1565 STATUS: PENDING	ID1: 29674 ID2: 1565 STATUS: PENDING

334 BROAD ST **Target Property: JOB:** 05.P000408.11

MANCHESTER CT 06040

**LUST** 

SEARCH ID: 212 **DIST/DIR:** 0.48 SW **ELEVATION:** 93 168 MAP ID:

NAME: **GULF STATION** 

**REV:** 1281-1283 ADDRESS: CENTER ST ID1:

MANCHESTER CT 06040 ID2:

HARTFORD STATUS: NO

CONTACT: PHONE:

SOURCE: CT DEP

FED REG: YES REPORT DATE: 06-02-89 NUMBER OF TANKS: **MATERIAL:** STEEL

LOW CAPACITY: 4000 HIGH CAPACITY: 4000

PRODUCT: GAS

TANK REMOVED: YES UNCONTROLLED RELEASE: **EMERGENCY:** 

TANK RELEASE: PIPING RELEASE: **OVERFILL RELEASE:** 

REMEDIATION: **COMPLETE:** NO

REFERRED: **COMMENT:** 

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 29 **DIST/DIR:** 0.55 SE **ELEVATION:** 265 **MAP ID:** 94

 NAME:
 LEON PROPERTY
 REV:
 4/23/10

 ADDRESS:
 75 CENTER ST
 ID1:
 2768

MANCHESTER CT ID1: 2/68
ID2:

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: HYDRO/OIL - HYDROCARBONS AND/OR FUEL OIL

WASTE TYPE2: WASTE TYPE3:

**DISPOSAL METHOD:** UST

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP: SPILLS

**UPDATED BY:** ZIMMERMAN, D.

UPDATED PROGRAM: DandA UPDATED: 4/4/1996

SW CLASSIFICATION: GW CLASSIFICATION:

COMMENTS: SPILLS NOTIFIED THAT A 2 FUEL OIL TANK LEAKED. TANK AND CONTAMINATED SOIL

REMOVED. (4/96)

SITE NAMES

**COMMENTS:** 

REFERRAL INFORMATION

SOURCE: SPILLS RECEIVED: 10/26/1995

STAFF: PROGRAM: ASSIGNED:

COMPLETED: 4/4/1996 OUTCOME: ON RECORD

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** SEARCH ID: 20 **DIST/DIR:** 0.65 SE **ELEVATION:** 261 **MAP ID:** 95 NAME: BALF COMPANY REV: 4/23/10 **ADDRESS:** 587 N MAIN ST ID1: 4406 MANCHESTER CT ID2: **STATUS:** SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2: WASTE TYPE3: DISPOSAL METHOD: SAMPLE AVAILABLE:** NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES **COMMENTS: INFORMATION ESTABLISHMENT:** BALF COMPANY SELLER: BLANCHE SAVIN GOLODENBERG **BUYER:** OLDCASTLE NORTHEAST, INC. FORM: FORM I RECEIVED: 7/20/1994 ACKNOWLEDGED: 9/20/1994 **RETURNED: CERTIFIED: REVISED: ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS:** REFERRAL INFORMATION - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 20 **DIST/DIR:** 0.65 SE **ELEVATION:** 261 **MAP ID:** 95

 NAME:
 BALF COMPANY
 REV:
 4/23/10

 ADDRESS:
 587 N MAIN ST
 ID1:
 4406

587 N MAIN ST ID1: 4406
MANCHESTER CT ID2:

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SOURCE: PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 7/20/1994

STAFF: //20/1994

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED: COMPLETED:

**COMPLETED:** 7/20/1994 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 27 **DIST/DIR:** 0.67 NW **ELEVATION:** 98 **MAP ID:** 96

 NAME:
 INDUSTRIAL GRAPHIC CO.
 REV:
 4/23/10

 ADDRESS:
 338 ADAMS ST
 ID1:
 873

338 ADAMS ST ID1: 873
MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: SOLVENTS WASTE TYPE2: SLUDGES

WASTE TYPE3:

SAMPLE AVAILABLE: NO

LOCATION METHOD:

**DISPOSAL METHOD:** 

OTHER DEP: UPDATED BY:

UPDATED PROGRAM:

**UPDATED:** 

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 

SITE NAMES

**COMMENTS:** 

REFERRAL INFORMATION

SOURCE: ISWS - INDUSTRIAL SOLID WASTE SURVEY

**RECEIVED:** 5/18/1990

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 35 **DIST/DIR:** 0.69 SE **ELEVATION:** 249 **MAP ID:** 97

 NAME:
 PEARL APPLIANCES
 REV:
 4/23/10

 ADDRESS:
 649 MAIN ST
 ID1:
 2604

MANCHESTER CT ID1: 2604

MANCHESTER CT

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: HYDRO/OIL - HYDROCARBONS AND/OR FUEL OIL

WASTE TYPE2: WASTE TYPE3:

**DISPOSAL METHOD:** UST

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP: SPILLS
UPDATED BY: DORAN, E.
UPDATED PROGRAM: CORE
UPDATED: 9/26/1995

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** SPILLS RESPONDED TO REMOVAL OF 1K HO TANK 7/25/95. 2 SAMPLES TAKEN AFTER

GRAVE BACKFILLED SHOWED TPH OF 3 PPM AND 2,004 PPM. (9/95)

SITE NAMES

COMMENTS:

**REFERRAL INFORMATION** 

**SOURCE:** SPILLS **RECEIVED:** 8/24/1995

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040 **STATE** SEARCH ID: 22 **DIST/DIR:** 0.70 SE **ELEVATION:** 200 **MAP ID:** 98 NAME: CHENEY BROS. REV: 4/23/10 **ADDRESS:** 182 PINE ST ID1: 727 MANCHESTER CT ID2: STATUS: SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2: WASTE TYPE3: DISPOSAL METHOD:** SAMPLE AVAILABLE: NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES CLOCK TOWER MILL ASSOCIATES CLOCK TOWER MILL ASSOCIATES **COMMENTS:** INFORMATION ESTABLISHMENT: CLOCK TOWER MILL ASSOCIATES **SELLER:** CLOCK TOWER MILL ASSOC. **BUYER:** VELVET MILL LTD PTNRSHP RECEIVED: FORM: FORM III 5/19/1986 ACKNOWLEDGED: 12/1/1986 **RETURNED: CERTIFIED:** REVISED: **ECAF RECEIVED: ECAF REVIEWED:** STATUS: NB STAFF: SULLIVAN/FEATHERS **CERTIFIER:** FIRST PAYMENT: SECOND PAYMENT: \$900 **COMMENTS:** - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 22 **DIST/DIR:** 0.70 SE **ELEVATION:** 200 **MAP ID:** 98

 NAME:
 CHENEY BROS.
 REV:
 4/23/10

 ADDRESS:
 182 PINE ST
 ID1:
 727

MANCHESTER CT ID1: /2/

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

REFERRAL INFORMATION

SOURCE: PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 1/1/1988

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 23 **DIST/DIR:** 0.71 SE **ELEVATION:** 241 **MAP ID:** 99

 NAME:
 CHRISTY S MARKET
 REV:
 4/23/10

 ADDRESS:
 706 MAIN ST
 ID1:
 2093

MANCHESTER CT ID1: 2093

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: HYDRO/OIL - HYDROCARBONS AND/OR FUEL OIL

WASTE TYPE2: WASTE TYPE3:

DISPOSAL METHOD:

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP:

UPDATED BY:POST, M.UPDATED PROGRAM:COREUPDATED:1/31/1995

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 24 PRODUCT IN SITE MONITORING WELL

SITE NAMES

**COMMENTS:** 

REFERRAL INFORMATION

REFERRAL INFORMATION

SOURCE: SPILLS RECEIVED: 7/22/1994

STAFF: PROGRAM: ASSIGNED: COMPLETED: OUTCOME:

**SOURCE:** SPILLS **RECEIVED:** 2/1/1995

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040 **STATE** SEARCH ID: 42 **DIST/DIR:** 0.71 SE **ELEVATION:** 276 **MAP ID:** 100 NAME: SNET REV: 4/23/10 **ADDRESS:** 52 E CENTER ST ID1: 4435 MANCHESTER CT ID2: STATUS: SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2: WASTE TYPE3: DISPOSAL METHOD: SAMPLE AVAILABLE:** NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES SOUTHERN NEW ENGLAND TELEPHONE CO. SOUTHERN NEW ENGLAND TELEPHONE CO. **COMMENTS:** INFORMATION ESTABLISHMENT: **SNET SELLER:** SNET **BUYER:** SBC COMMUNICATIONS INC. RECEIVED: FORM: FORM I 11/4/1998 ACKNOWLEDGED: 6/18/1999 **RETURNED: CERTIFIED:** REVISED: **ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** SNET, TRANSFEROR DONALD SHASSIAN FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS:** - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 42 **DIST/DIR:** 0.71 SE **ELEVATION:** 276 **MAP ID:** 100

 NAME:
 SNET
 REV:
 4/23/10

 ADDRESS:
 52 E CENTER ST
 ID1:
 4435

52 E CENTER ST IDI: 4435 MANCHESTER CT ID2:

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

REFERRAL INFORMATION

SOURCE: PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 11/4/1998

STAFF:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

COMPLETED: 11/4/1998 OUTCOME: PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**STATE** 

SUSPECTED

**SEARCH ID:** 19 **DIST/DIR:** 0.73 SE **ELEVATION:** 230 **MAP ID:** 101

 NAME:
 ANDERSON S GULF
 REV:
 4/23/10

 ADDRESS:
 770 MAIN ST
 ID1:
 2775

MANCHESTER CT ID2:

CONTACT: STATUS: PHONE:

SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: HYDRO/OIL - HYDROCARBONS AND/OR FUEL OIL

WASTE TYPE2: WASTE TYPE3:

DISPOSAL METHOD: UST

SAMPLE AVAILABLE: NO LOCATION METHOD: UNK

OTHER DEP: TANKS - DEP WASTE BUREAU - UNDERGROUND STORAGE TANKS PROGRAM

UPDATED BY: DAVIDSON, N.

**UPDATED PROGRAM:** PWP - DEP WATER BUREAU - POTABLE WATER PROGRAM

**UPDATED:** 4/9/1996

SW CLASSIFICATION: GW CLASSIFICATION:

COMMENTS: STATEMENT OF ENVIRONMENTAL CLOSURE RC D BY PWP ON 4/9/96. THREE 6K GASOLINE

 ${\tt UST~S~AND~TWO~550~GALLON~UST~S~REMOVED~IN~11/88.~~MW~INSTALLED.~RESULTS~ON~FILE.~(4/96)}\\$ 

SITE NAMES

CIRCLE K 84656 CIRCLE K 84656

**COMMENTS:** 

REFERRAL INFORMATION

SOURCE: COMPLAINT - RECEIVED FROM OR SUBMITTED BY AN OUTSIDE PARTY

**RECEIVED:** 4/9/1996

334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

STATE								
SEARCH ID: 30	DIST/DIR:	0.76 NW	ELEVATION:	99	MAP ID:	102		
NAME: MAL TOOL ADDRESS: 273 ADAMS ST MANCHESTER CT HARTFORD CONTACT: SOURCE: CT DEP			REV: ID1: ID2: STATUS: PHONE:	4/23/10 4422 SUSPECTED				
SITE INFORMATION								
WASTE TYPE1: WASTE TYPE2: WASTE TYPE3:								
DISPOSAL METHOD:								
SAMPLE AVAILABLE: LOCATION METHOD: OTHER DEP: UPDATED BY: UPDATED PROGRAM: UPDATED: SW CLASSIFICATION: GW CLASSIFICATION:	NO							
COMMENTS:								
SITE NAMES R.T. COACHWORKS (STOCK) R.T. COACHWORKS (LEASE) COLLINS and AIKMAN GROUP INC								
COMMENTS:								
INFORMATION ESTABLISHMENT: SELLER: BUYER:	MAL TOOL/COLLINS and AIKMAN GROUP INC. COLLINS and AIKMAN GROUP SEMATECH ACQUISITION INC							
FORM:	FORM I	RECEI		3/31/1993				
ACKNOWLEDGED: CERTIFIED: ECAF RECEIVED:	3/25/1994			8/16/1993				
STATUS:								
STAFF:								
CERTIFIER:	,							
FIRST PAYMENT:	, \$200	SECON	D PAYMENT:	\$				
COMMENTS:	φΔΟΟ	SECON	DIAIMENI.	Ψ				
COMMENTO.				~				
			- (	Continued on ne	ext page -			

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 30 **DIST/DIR:** 0.76 NW **ELEVATION:** 99 **MAP ID:** 102

 NAME:
 MAL TOOL
 REV:
 4/23/10

 ADDRESS:
 273 ADAMS ST
 ID1:
 4422

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

REFERRAL INFORMATION

SOURCE: PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 3/31/1993

STAFF:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:
COMPLETED: 3/31/1993

 COMPLETED:
 3/31/1993

 OUTCOME:
 PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 36 **DIST/DIR:** 0.79 SE **ELEVATION:** 200 **MAP ID:** 103

 NAME:
 PRATT and WHITNEY AIRCRAFT
 REV:
 4/23/10

 ADDRESS:
 15 HALE CT
 ID1:
 1327

MANCHESTER CT ID2: CTD000844324
STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: CHLR VOC - CHLORINATED VOLATILE ORGANIC COMPOUNDS
WASTE TYPE2: NCHLR VOC - NON CHLORINATED VOLATILE ORGANIC COMPOUNDS

WASTE TYPE3: ACID/BASE

DISPOSAL METHOD: DRUMS

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP: RCRA - DEP WASTE BUREAU - WASTE ENGINEERING and ENFORCEMENT DIVISION

**UPDATED BY: UPDATED PROGRAM:**TATARTIS, S.
FPRE

**UPDATED:** 7/14/1992

SW CLASSIFICATION:

**GW CLASSIFICATION:** GB - HIGH YIELD - N.P.P.

**COMMENTS:** FACILITY CEASED OPERATIONS IN MAY 1988; CLOSURE ACTIVITIES WERE CONDUCTED IN

ACCORDANCE WITH CLOSURE PLAN.

SITE NAMES

**COMMENTS:** 

**FEDERAL INFORMATION** 

ON CERCLIS: YES EPI SITE: YES ARCHIVE: NO ARCHIVE DATE:

EPA REMOVAL:

NO
DEFERRED:
NO
ON NPL:
NO
PART NPL:
NO
RCRA STAT:
TSDF
RCRA PERMIT:

RCRA STAT: TSDF FED FAC: NO

REFERRAL INFORMATION

SOURCE: CERCLIS - US EPA CERCLIS

**RECEIVED:** 7/14/1992

STAFF: PROGRAM: ASSIGNED: COMPLETED: OUTCOME:

ASSESS INFORMATION

TYPE: PA STAFF: EPA

PROGRAM: FPRE ASSIGNED:

 DRAFT:
 6/1/1992
 REVIEWER:
 TATARTIS, S.

 REVIEWED:
 7/13/1992
 FINAL:
 8/24/1992

- Continued on next page -

**Target Property:** 334 BROAD ST 05.P000408.11 **JOB:** 

MANCHESTER CT 06040

**STATE SEARCH ID:** 36 **DIST/DIR:** 0.79 SE **ELEVATION:** 200 MAP ID: 103 NAME: PRATT and WHITNEY AIRCRAFT **REV:** 4/23/10 **ADDRESS:** 15 HALE CT 1327 ID1: MANCHESTER CT CTD000844324 ID2: STATUS: SUSPECTED CONTACT: PHONE: SOURCE: CT DEP NFA: NO

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**RCRACOR** 

**SEARCH ID:** 2 **DIST/DIR:** 0.79 SE **ELEVATION:** 200 **MAP ID:** 103

NAME: PRATT and WHITNEY ENGINE DIV REV: 11/10/10
ADDRESS: PINE ST ID1: CTD000844324

PINE ST ID1: CTD000844324 MANCHESTER CT 06040 ID2:

STATUS: CA

CONTACT: PHONE: SOURCE: EPA

SITE INFORMATION

CONTACT INFORMATION: J GUIDONE

400 MAIN ST MS 121 02 EAST HARTFORD CT 06108

**PHONE:** 2035654887

CONTACT INFORMATION: J-A BARLOCK

400 MAIN ST MS 121 02 EAST HARTFORD CT 06108

**PHONE:** 2035654887

**UNIVERSE INFORMATION:** 

NAIC INFORMATION

336412 - AIRCRAFT ENGINE AND ENGINE PARTS MANUFACTURING

**ENFORCEMENT INFORMATION:** 

**AGENCY:** S - STATE **DATE:** 3/31/1988

TYPE: 120 - WRITTEN INFORMAL

**AGENCY:** S - STATE **DATE:** 3/31/1988

**TYPE:** 120 - WRITTEN INFORMAL

<u>VIOLATION INFORMATION:</u>

 VIOLATION NUMBER:
 0001
 RESPONSIBLE:
 S - STATE

 DETERMINED:
 1/27/1988
 DETERMINED BY:
 S - STATE

**RESOLVED:** 9/11/1992

TYPE: TSD-OTHER REQUIREMENTS (OVERSIGHT)

VIOLATION NUMBER:0002RESPONSIBLE:S - STATEDETERMINED:1/27/1988DETERMINED BY:S - STATE

CITATION:

CITATION:

**RESOLVED:** 7/22/1988

TYPE: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS

 VIOLATION NUMBER:
 0003
 RESPONSIBLE:
 S - STATE

 DETERMINED:
 1/27/1988
 DETERMINED BY:
 S - STATE

CITATION:

- Continued on next page -

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**RCRACOR** 

**SEARCH ID:** 2 **DIST/DIR:** 0.79 SE **ELEVATION:** 200 MAP ID: 103

PRATT and WHITNEY ENGINE DIV NAME: REV: 11/10/10 ADDRESS:

CTD000844324 PINE ST ID1: MANCHESTER CT 06040 ID2:

STATUS: CA

**CONTACT:** PHONE:

**SOURCE: EPA** 

RESOLVED: 7/22/1988

TYPE: TSD-OTHER REQUIREMENTS (OVERSIGHT)

**VIOLATION NUMBER:** 0004 RESPONSIBLE: S - STATE **DETERMINED:** 3/28/1990 **DETERMINED BY:** S - STATE

CITATION: RESOLVED: 1/1/1993

TYPE: TSD-OTHER REQUIREMENTS (OVERSIGHT)

**CORRECTIVE ACTION INFORMATION** 

CA EVENT: 11/24/1992 CA075LO - CA PRIORITIZATION-LOW CA PRIORITY

CA EVENT: 10/4/2000 CA210SF - REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA

#### **HAZARDOUS WASTE INFORMATION:**

Spent stripping and cleaning bath solutions from electroplating operations in which cyanides are used in the process.

1,4-Diethyleneoxide (OR) 1,4-Dioxane

2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1- phenylbutyl)-, and salts, when present at concentrations greater than 0.3% (OR) Warfarin, and salts, when present at concentrations greater than 0.3%

Corrosive waste

D000

Ethene, tetrachloro- (OR) Tetrachloroethylene

P090

Reactive waste

Ethene, trichloro- (OR) Trichloroethylene

The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing contain

The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene,

1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; a

Ethane, 1,1,1-trichloro- (OR) Methyl chloroform

Ignitable waste

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**STATE** 

**SEARCH ID:** 33 **DIST/DIR:** 0.84 SW **ELEVATION:** 164 **MAP ID:** 104

 NAME:
 MOBIL 01-QQM
 REV:
 4/23/10

 ADDRESS:
 427 HARTFORD RD
 ID1:
 2324

MANCHESTER CT ID1: 2324

STATUS: SUSPECTED PHONE:

CONTACT: PHON SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: WASTE TYPE2: WASTE TYPE3:

**DISPOSAL METHOD:** 

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP:

UPDATED BY:POST, M.UPDATED PROGRAM:COREUPDATED:3/28/1995

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 

SITE NAMES

ATLAS OIL ATLAS OIL

**COMMENTS:** 

**REFERRAL INFORMATION** 

**SOURCE:** REMEDIAL - DEP WATER BUREAU - REMEDIATION SECTION

**RECEIVED:** 3/28/1995

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 24 **DIST/DIR:** 0.86 SE **ELEVATION:** 180 **MAP ID:** 105

 NAME:
 CT CYCLE ACCESSORIES, INC
 REV:
 4/23/10

 ADDRESS:
 316 HARTFORD RD
 ID1:
 1099

316 HARTFORD RD ID1: 1099
MANCHESTER CT ID2:

STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: WASTE TYPE2: WASTE TYPE3:

**DISPOSAL METHOD:** TO GROUND

SAMPLE AVAILABLE: NO

LOCATION METHOD: OTHER DEP:

OTHER DEP: UPDATED BY:

UPDATED PROGRAM:

**UPDATED:** 

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 

SITE NAMES

**COMMENTS:** 

REFERRAL INFORMATION

SOURCE: SUPERFUND - DEP WASTE BUREAU - SUPERFUND SITE DISCOVERY

**RECEIVED:** 11/1/1991

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 31 **DIST/DIR:** 0.87 SE **ELEVATION:** 196 **MAP ID:** 106

 NAME:
 MANCHESTER TOOL and DESIGN
 REV:
 4/23/10

 ADDRESS:
 130 HARTFORD RD
 ID1:
 1072

S: 130 HARTFORD RD IDI: 1072

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: OIL

WASTE TYPE2: SOLVENTS

**WASTE TYPE3:** 

**DISPOSAL METHOD:** SPILL/DUMP

SAMPLE AVAILABLE: NO

LOCATION METHOD: OTHER DEP:

OTHER DEP: UPDATED BY:

**UPDATED PROGRAM:** 

**UPDATED:** 

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 

SITE NAMES

**COMMENTS:** 

REFERRAL INFORMATION

SOURCE: ISWS - INDUSTRIAL SOLID WASTE SURVEY

**RECEIVED:** 9/4/1991

**Target Property:** 334 BROAD ST JOB: 05.P000408.11

MANCHESTER CT 06040

**STATE** SEARCH ID: 41 **DIST/DIR:** 0.90 NE **ELEVATION:** 207 **MAP ID:** 107 NAME: SIFCO SELECTIVE PLATING REV: 4/23/10 ADDRESS: 61 WOODLAND ST ID1: 4433 MANCHESTER CT ID2: HARTFORD STATUS: SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2: WASTE TYPE3: DISPOSAL METHOD: SAMPLE AVAILABLE:** NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** 61-81 WOODLAND and 24 CHAPEL ST SITE NAMES **COMMENTS:** 61-81 WOODLAND and 24 CHAPEL ST INFORMATION **ESTABLISHMENT:** SIFCO SELECTIVE PLATING SELLER: SBM LTD S. MARK STEPHENS **BUYER:** FORM: FORM I RECEIVED: 3/23/1992 ACKNOWLEDGED: 8/13/1992 **RETURNED: REVISED: CERTIFIED: ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS: REFERRAL INFORMATION** - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

SEARCH ID: 41 **DIST/DIR:** 0.90 NE **ELEVATION:** 207 107 MAP ID:

NAME: SIFCO SELECTIVE PLATING **REV:** 4/23/10 ADDRESS: 61 WOODLAND ST ID1: 4433

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE: CT DEP

**SOURCE: SOURCE:** 

PTP - PROPERTY TRANSFER PROGRAM

RECEIVED: 3/23/1992 STAFF:

PROGRAM: PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED: **COMPLETED:** 

3/23/1992 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

STATE

**SEARCH ID:** 25 **DIST/DIR:** 0.96 NW **ELEVATION:** 88 **MAP ID:** 108

 NAME:
 EDWARD JARVIS, INC.
 REV:
 4/23/10

 ADDRESS:
 375 NEW STATE RD
 ID1:
 3299

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: WASTE TYPE2: WASTE TYPE3:

DISPOSAL METHOD:

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP:

**UPDATED BY:** FEATHERS, K.

UPDATED PROGRAM: HAZARD - DEP WATER BUREAU - SIGNIFICANT ENVIRONMENTAL HAZARD REPORTING

PROGRAM

**UPDATED:** 1/26/1999

SW CLASSIFICATION: GW CLASSIFICATION:

**COMMENTS:** 

SITE NAMES

375 NEW STATE ROAD PROPERTY 375 NEW STATE ROAD PROPERTY

**COMMENTS:** 

INFORMATION

ESTABLISHMENT: EDWARD JARVIS, INC. SELLER: EDWARD JARVIS

**BUYER:** 375 NEW STATE RD LTD PNTR

**FORM:** FORM II **RECEIVED:** 8/31/1989

ACKNOWLEDGED: RETURNED: 11/16/1989 CERTIFIED: REVISED:

ECAF RECEIVED: REVISED. ECAF REVIEWED:

STATUS:

STAFF: HAMEL, M.

CERTIFIER:

FIRST PAYMENT: \$ SECOND PAYMENT: \$

COMMENTS:

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 25 **DIST/DIR:** 0.96 NW **ELEVATION:** 88 **MAP ID:** 108

 NAME:
 EDWARD JARVIS, INC.
 REV:
 4/23/10

 ADDRESS:
 375 NEW STATE RD
 ID1:
 3299

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP

INFORMATION
ESTABLISHMENT: EDWARD JARVIS, INC.

**SELLER:** 375 NEW STATE ROAD LTD. PARTNERSHIP

**BUYER:** 

 FORM:
 FORM III
 RECEIVED:
 7/30/1999

 ACKNOWLEDGED:
 9/1/1999
 RETURNED:
 8/11/1999

 CERTIFIED:
 REVISED:
 8/26/1999

ECAF RECEIVED: 9/13/1999

STATUS: DR

STAFF: HAMEL, M.

**CERTIFIER:** LON G. ANNULLI, PRESIDENT, TRANSFEROR

ANNZER INC.

P.O. BOX 610

MANCHESTER, CT 06040

FIRST PAYMENT: \$2000 SECOND PAYMENT: \$

**COMMENTS:** 

INFORMATION

**ESTABLISHMENT:** EDWARD JARVIS, INC. **SELLER:** EDWARD JARVIS

**BUYER:** 375 NEW STATE ROAD LTD. PTRNSP.

**FORM:** FORM III **RECEIVED:** 7/16/1999

ACKNOWLEDGED: 8/11/1999 RETURNED: CERTIFIED: REVISED:

CERTIFIED: REVISED:

**ECAF RECEIVED:** 8/20/1999

STATUS: DRT

STAFF: HAMEL, M.

**CERTIFIER:** EDWARD, JARVIS, INC., TRANSFEROR

EDWARD JARVIS

795 CENTER STREET MANCHESTER, CT 06040

FIRST PAYMENT: \$1800 SECOND PAYMENT: \$200

**COMMENTS:** REFILING OF IMPROPER FORM II PAY 2 - 07/30/99

REMEDIAL INFORMATION

- Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 25 **DIST/DIR:** 0.96 NW **ELEVATION:** 88 **MAP ID:** 108

 NAME:
 EDWARD JARVIS, INC.
 REV:
 4/23/10

 ADDRESS:
 375 NEW STATE RD
 ID1:
 3299

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP

TYPE:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ENTERED:

STAFF: HAMEL, M. COMPLETE:

ASSIGNED: PHASE: DR

ORDER ISSUED:
ORDER DATE:
ORDER DATE:
COMPLETED:
DESIGN START:

DESIGN DONE: ACTION START: ACTION DONE: OPERATION START:

GW MONITORING: NO

REFERRAL INFORMATION

SOURCE: HAZARD - DEP WATER BUREAU - SIGNIFICANT ENVIRONMENTAL HAZARD REPORTING

PROGRAM

RECEIVED: 1/26/1999 STAFF: FEATHERS, K.

**PROGRAM:** HAZARD - DEP WATER BUREAU - SIGNIFICANT ENVIRONMENTAL HAZARD REPORTING PROGRAM

ASSIGNED: 1/26/1999
COMPLETED: 1/31/1999
OUTCOME: HAZARD

Site Details Page - 266

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE SEARCH ID:** 39 **DIST/DIR:** 0.97 NE **ELEVATION:** 182 **MAP ID:** 109 NAME: REGIUS PROPERTY REV: 4/23/10 ADDRESS: 21 AND 59-61 LOOMIS ST ID1: 4430 MANCHESTER CT ID2: HARTFORD STATUS: SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2: WASTE TYPE3: DISPOSAL METHOD: SAMPLE AVAILABLE:** NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES MULTICIRCUIT **COMMENTS:** INFORMATION ESTABLISHMENT: REGIUS PROPERTY **SELLER:** ROBERT B. REGIUS **BUYER:** CALDWELL REALTY, LLC FORM: FORM I RECEIVED: 9/17/1998 ACKNOWLEDGED: 10/29/1998 **RETURNED:** 10/1/1998 **CERTIFIED:** REVISED: 10/30/1998 **ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** ROBERT B. REGIUS, TRANSFEROR FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS:** - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE** 

**SEARCH ID:** 39 **DIST/DIR:** 0.97 NE **ELEVATION:** 182 **MAP ID:** 109

 NAME:
 REGIUS PROPERTY
 REV:
 4/23/10

 ADDRESS:
 21 AND 59-61 LOOMIS ST
 ID1:
 4430

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP
REFERRAL INFORMATION

SOURCE: PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 9/17/1998

STAFF:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

 COMPLETED:
 9/17/1998

 OUTCOME:
 PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

**STATE SEARCH ID:** 38 **DIST/DIR:** 0.98 NW **ELEVATION:** 173 **MAP ID:** 110 NAME: REGIUS PROPERTY REV: 4/23/10 ADDRESS: 81 LOOMIS ST ID1: 4431 MANCHESTER CT ID2: HARTFORD STATUS: SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2: WASTE TYPE3: DISPOSAL METHOD: SAMPLE AVAILABLE:** NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES **COMMENTS:** INFORMATION **ESTABLISHMENT:** REGIUS PROPERTY SELLER: ROBERT B. REGIUS **BUYER:** LOOMIS ASSOCIATES, L.L.C. FORM: FORM I RECEIVED: 4/20/1998 ACKNOWLEDGED: **RETURNED:** 6/1/1998 11/17/1999 **REVISED: CERTIFIED: ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** ROBERT B. REGIUS, TRANSFEROR FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS:** REFERRAL INFORMATION - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040

STATE

**SEARCH ID:** 38 **DIST/DIR:** 0.98 NW **ELEVATION:** 173 **MAP ID:** 110

 NAME:
 REGIUS PROPERTY
 REV:
 4/23/10

 ADDRESS:
 81 LOOMIS ST
 ID1:
 4431

MANCHESTER CT ID1: 44

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE: SOURCE: CT DEP

**SOURCE:** PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 4/20/1998

STAFF:
PROGRAM: PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

**COMPLETED:** 4/20/1998 **OUTCOME:** PTP

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

MANCHESTER CT 06040 **STATE SEARCH ID:** 26 **DIST/DIR:** 0.99 NE **ELEVATION:** 170 **MAP ID:** 111 NAME: HILLIARD STORAGE and WAREHOUSING REV: 4/23/10 ADDRESS: 104 HILLIARD ST ID1: 4417 MANCHESTER CT ID2: HARTFORD STATUS: SUSPECTED CONTACT: PHONE: SOURCE: CT DEP SITE INFORMATION WASTE TYPE1: **WASTE TYPE2: WASTE TYPE3: DISPOSAL METHOD:** SAMPLE AVAILABLE: NO LOCATION METHOD: OTHER DEP: **UPDATED BY: UPDATED PROGRAM: UPDATED:** SW CLASSIFICATION: **GW CLASSIFICATION: COMMENTS:** SITE NAMES **COMMENTS:** INFORMATION **ESTABLISHMENT:** HILLIARD STORAGE and WAREHOUSING SELLER: MICHAEL DZEN **BUYER:** WALFRED and ERIC HUHTALA FORM: FORM I RECEIVED: 11/20/1996 ACKNOWLEDGED: 12/20/1996 **RETURNED: REVISED: CERTIFIED: ECAF RECEIVED: ECAF REVIEWED:** STATUS: STAFF: **CERTIFIER:** MICHAEL DZEN, TRANSFEROR FIRST PAYMENT: \$200 SECOND PAYMENT: **COMMENTS: REFERRAL INFORMATION** - Continued on next page -

**Target Property:** 334 BROAD ST **JOB:** 05.P000408.11

 $MANCHESTER\ CT\ 06040$ 

**STATE** 

**SEARCH ID:** 26 **DIST/DIR:** 0.99 NE **ELEVATION:** 170 **MAP ID:** 111

NAME:HILLIARD STORAGE and WAREHOUSINGREV:4/23/10ADDRESS:104 HILLIARD STID1:4417

MANCHESTER CT ID2:

HARTFORD STATUS: SUSPECTED

CONTACT: PHONE:

SOURCE: CT DEP

**SOURCE:** PTP - PROPERTY TRANSFER PROGRAM

**RECEIVED:** 11/20/1996

STAFF:

**PROGRAM:** PTP - PROPERTY TRANSFER PROGRAM

ASSIGNED:

**COMPLETED:** 11/20/1996 **OUTCOME:** PTP

## Environmental FirstSearch Street Name Report for Streets within .25 Mile(s) of Target Property

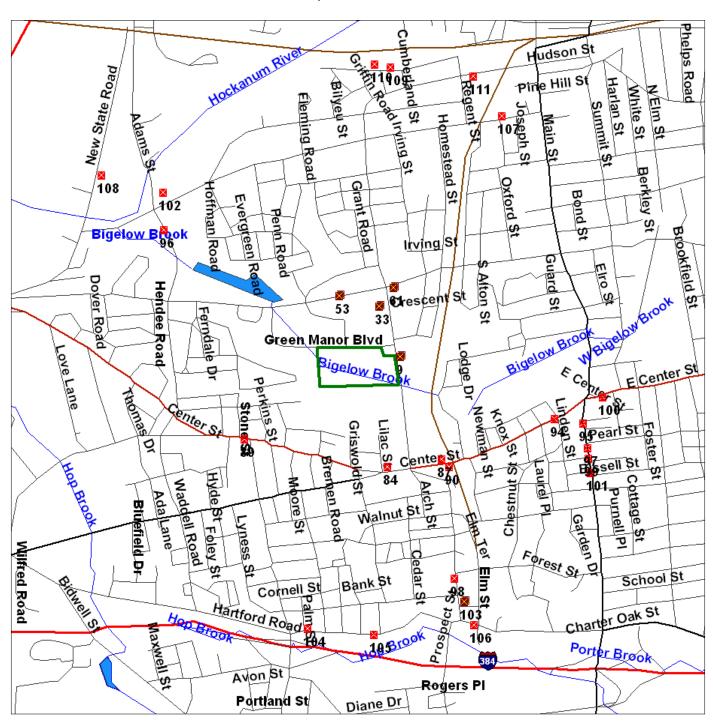
334 BROAD ST MANCHESTER CT 06040 **JOB:** 05.P000408.11 **Target Property:** 

Street Name	Dist/Dir	Street Name	Dist/Dir
Alexander St	0.13 SW		
Broad St	0.03 NE		
Center St	0.22 SW		
Crescent St	0.21 NE		
Crestwood Dr	0.25 SW		
Deepwood Dr	0.05 SW		
Devon Dr	0.05 SW		
Dougherty St	0.24 SW		
Durant St	0.13 NE		
Edgerton St	0.17 SE		
Essex St	0.17 NE		
Green Manor Blvd	0.00		
Griswold St	0.16 SE		
Hemlock St	0.21 NE		
Henderson Rd	0.25 SE		
Lilac St	0.17 SE		
Lincoln St	0.18 SE		
Little St	0.07 NE		
Lodge Dr	0.18 SE		
Middle Tpke W	0.16 NW		
Oliver Rd	0.18 NW		
Perkins St	0.19 SW		
Proctor Rd	0.23 SW		
Ridgewood St	0.15 SE		
Roosevelt St	0.15 SE		
St John St	0.06 SW		
St Lawrence St	0.20 SW		
Tower Rd	0.16 NW		
Trumbull St	0.22 SE		
United States Highwa	0.22 SW		
United States Highwa	0.22 SW		
Victoria Rd	0.23 SW		



1 Mile Radius from Area ASTM Map: NPL, RCRACOR, STATE Sites



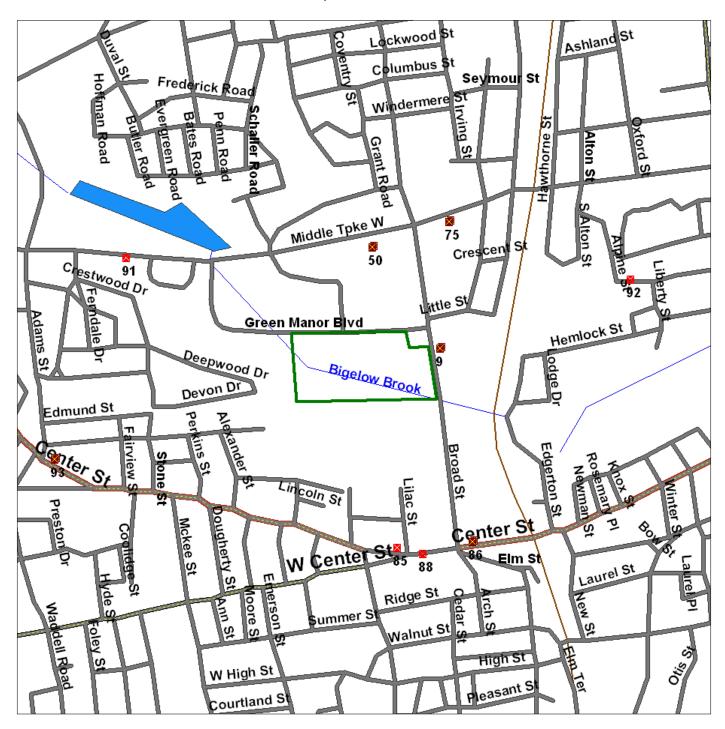


	Source: 2005 U.S. Census TIGER Files			
	Area Polygon			-
	Identified Site, Multiple Sites, Receptor	$\times$	$\times$	
	NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	$\boxtimes$		
	Triballand			
ı	Pailrade			



.5 Mile Radius from Area ASTM Map: CERCLIS, RCRATSD, LUST, SWL



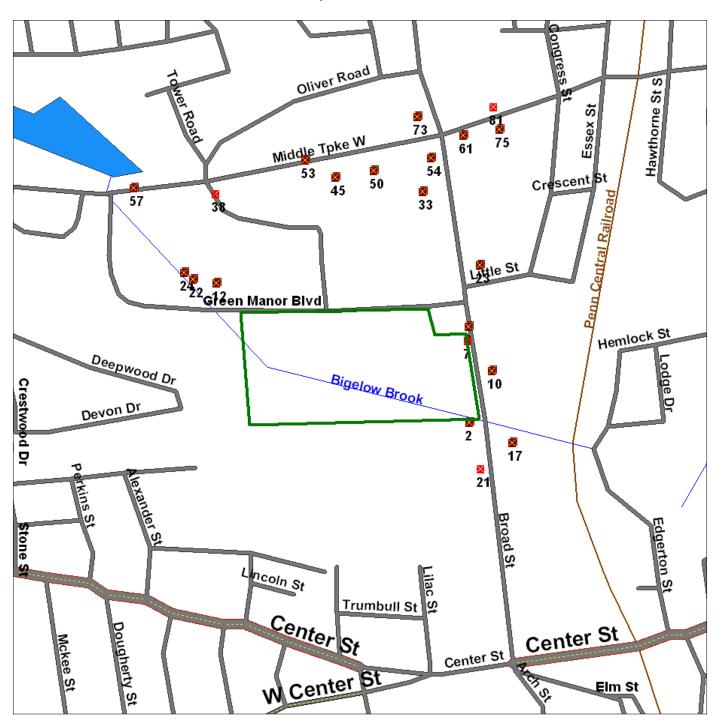


Source: 2005 U.S. Census TIGER Files			
Area Polygon			-
Identified Site, Multiple Sites, Receptor	$\times$	$\times$	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	$\otimes$		
Triballand			
Pailroads			



.25 Mile Radius from Area ASTM Map: RCRAGEN, ERNS, UST, FED IC/EC, METH LABS



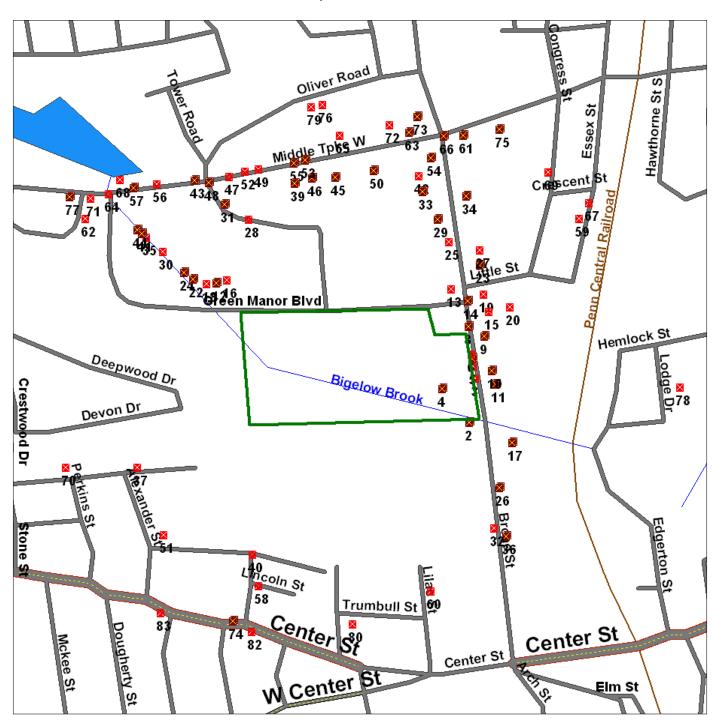


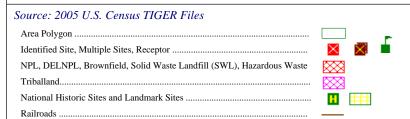
Source: 2005 U.S. Census TIGER Files			
Area Polygon			-
Identified Site, Multiple Sites, Receptor	×	$\times$	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	$\otimes$		
Triballand			
Dailyanda			



.25 Mile Radius from Area Non-ASTM Map: RCRANLR, Spills 90, Other









# EDR Historical Topographic Map Report

Vacant Retail Building Broad Street/Green Manor Blvd Manchester, CT 06040

**Inquiry Number: 1749098.12** 

September 07, 2006

## The Standard in Environmental Risk Management Information

440 Wheelers Farms Rd Milford, Connecticut 06461

## **Nationwide Customer Service**

Telephone:

1-800-352-0050

Fax:

1-800-231-6802

Internet:

www.edrnet.com

## **EDR Historical Topographic Map Report**

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

#### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



TARGET QUAD

**HARTFORD** NAME:

MAP YEAR: 1892

SERIES:

15

SCALE: 1:62500

SITE NAME: Vacant Retail Building

ADDRESS:

Broad Street/Green Manor Blvd

Manchester, CT 06040

LAT/LONG:

41.7775 / 72.5357

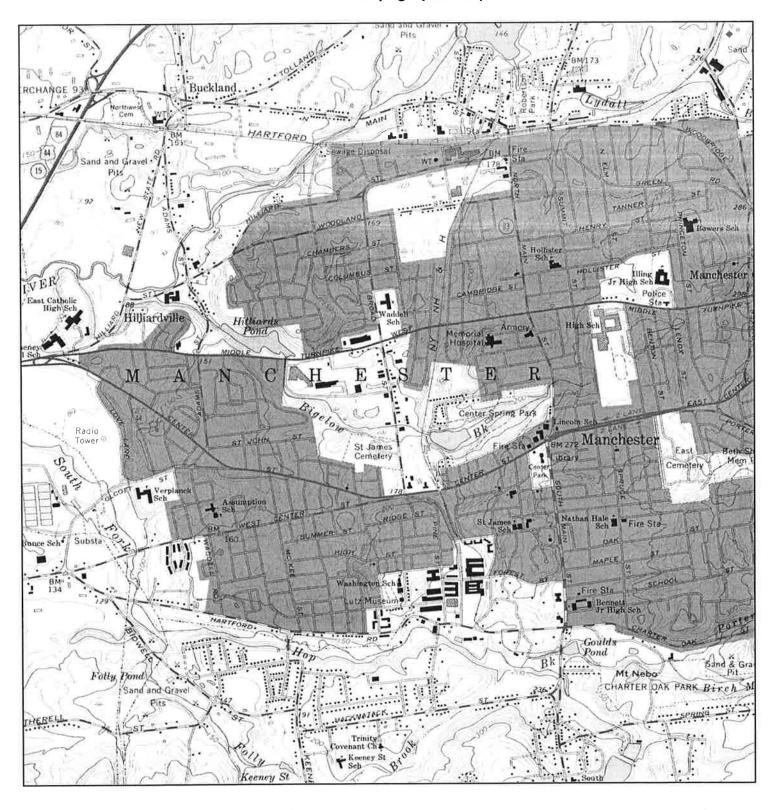
CLIENT:

GZA GeoEnvironmental, Inc.

CONTACT:

Jim Hutton

1749098.12 INQUIRY#: RESEARCH DATE: 09/07/2006



TARGET QUAD

NAME: MANCHESTER

MAP YEAR: 1963

SERIES: 7.5 SCALE: 1:24000

SITE NAME: Vacant Retail Building

ADDRESS:

Broad Street/Green Manor Blvd

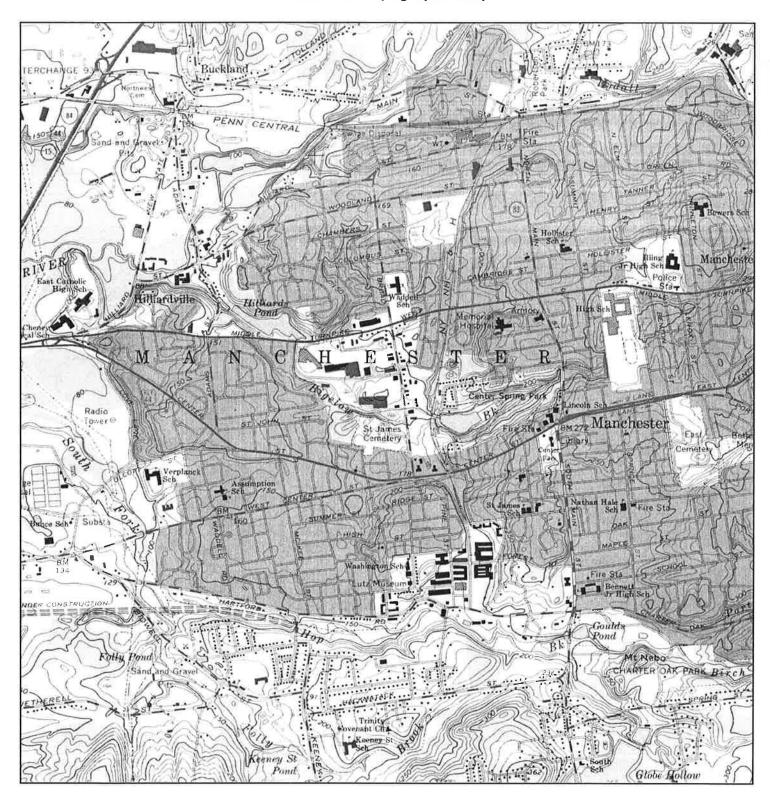
Manchester, CT 06040

LAT/LONG: 41.7775 / 72.5357 CLIENT:

GZA GeoEnvironmental, Inc.

Jim Hutton CONTACT: 1749098.12 INQUIRY#:

RESEARCH DATE: 09/07/2006



TARGET QUAD

MANCHESTER NAME:

MAP YEAR: 1968 PHOTOREVISED: 1963

SERIES: 7.5

SCALE:

1:24000

SITE NAME: Vacant Retail Building

Broad Street/Green Manor Blvd ADDRESS:

Manchester, CT 06040

LAT/LONG: 41.7775 / 72.5357

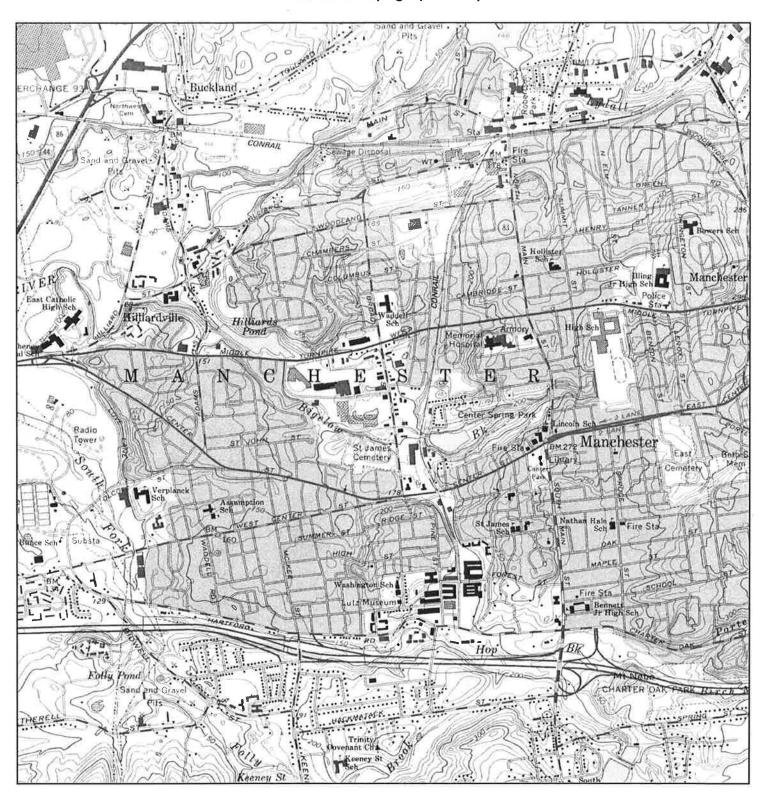
CLIENT:

GZA GeoEnvironmental, Inc.

CONTACT: INQUIRY#:

Jim Hutton 1749098.12

RESEARCH DATE: 09/07/2006



| N

TARGET QUAD

NAME: MANCHESTER

MAP YEAR: 1984 PHOTOREVISED: 1963

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Vacant Retail Building

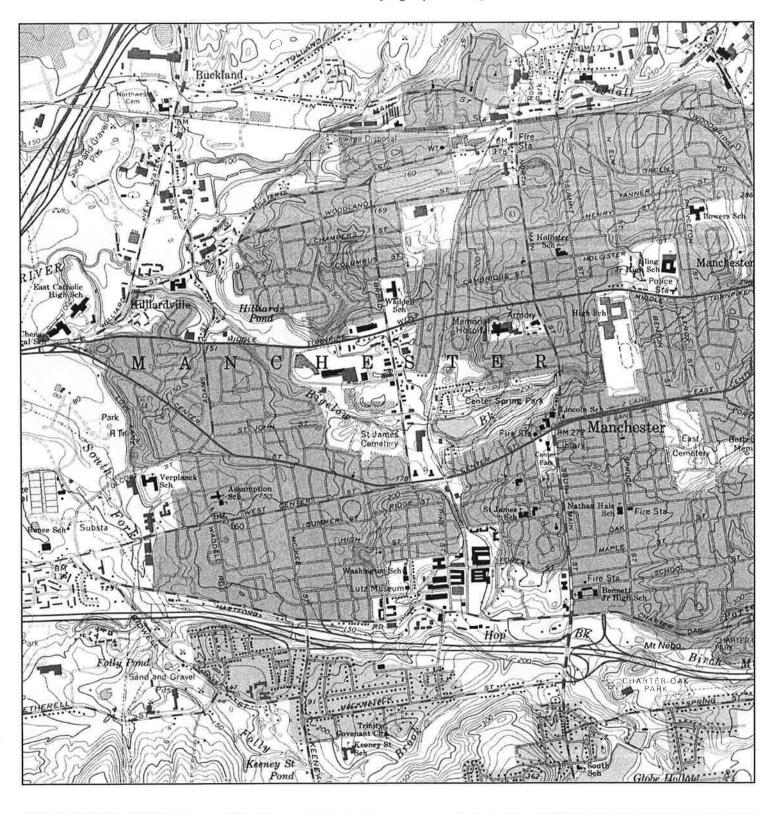
ADDRESS: Broad Street/Green Manor Blvd

Manchester, CT 06040

LAT/LONG: 41.7775 / 72.5357

CLIENT: GZA GeoEnvironmental, Inc.

CONTACT: Jim Hutton
INQUIRY#: 1749098.12
RESEARCH DATE: 09/07/2006



TARGET QUAD NAME:

MANCHESTER

MAP YEAR: 1992 REVISED: 1963 SERIES: 7.5 SCALE: 1:24000

SITE NAME: Vacant Retail Building

ADDRESS:

Broad Street/Green Manor Blvd

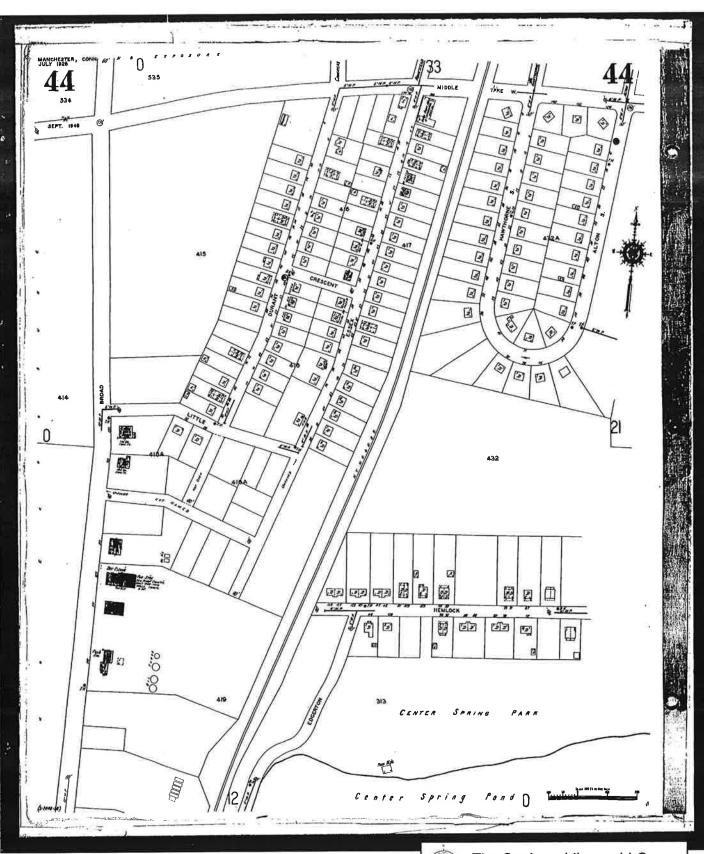
Manchester, CT 06040

LAT/LONG: 41.7775 / 72.5357

CLIENT:

GZA GeoEnvironmental, Inc.

CONTACT: Jim Hutton 1749098.12 INQUIRY#: RESEARCH DATE: 09/07/2006



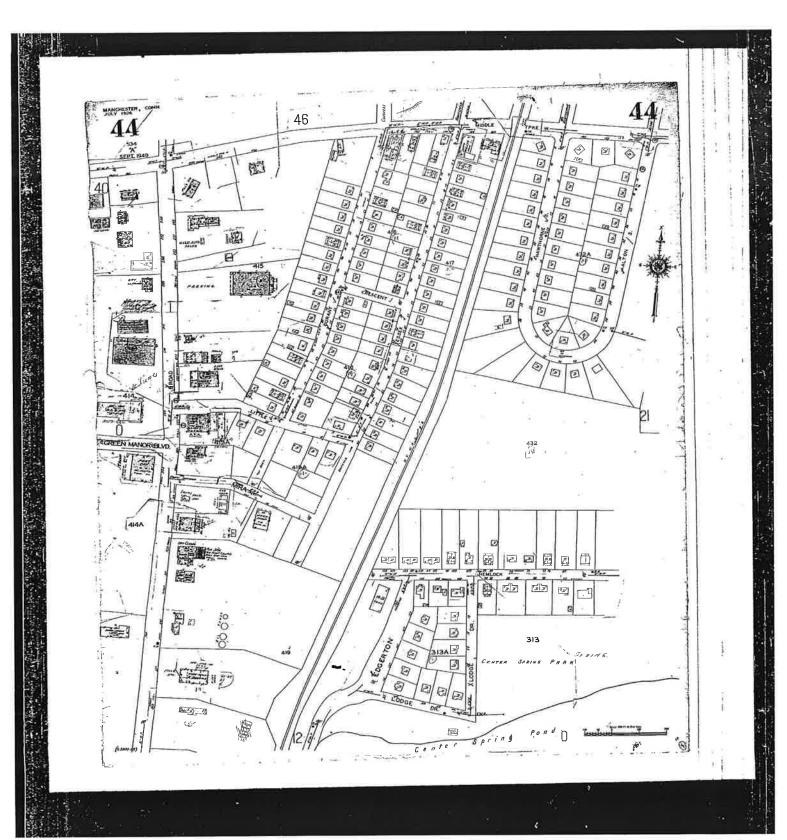
The Sanborn Library, LLC

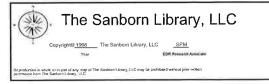
Copyright© 1949 The Sanborn Library, LLC SPM.

REPORT RESEARCH Assessment

Reportation in which o'rin gair of any says o'll he Sanborn Library, LLC stay he profibed without proviment

permanent has the Sanborn Library, LLC.





APPENDIX G USER QUESTIONNAIRE

## USER QUESTIONNAIRE

Site Name: Manchester Parkade
Title and Signature of Person Completing Questionnaire  Mark Pellegrini, Director of Planning and Economic Development
Date: February 1, 2011
The following are a series of questions from ASTM 1527-05 that must be answered in order to qualify for LLPs under CERCLA. Please provide an answer to each question or attach pertinent information and identify a number for each attachment.  (1.) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?
☑ No ☐ Yes (Describe or attach information) Attachment No
(2.) Are you aware of any Activity and Use Limitations (AULs), such as engineering controls (e.g. engineered caps, foundations, liners, treatment methods, etc. in use to prevent contamination from migrating to surrounding areas), land use restrictions or institutional controls (e.g. administrative measures restricting groundwater use, construction, or property use) that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?
☑ No ☐ Yes (Describe or attach information) Attachment No
(3.) Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would

have speci- business?	alized kno	wledge of the	e chemicals an	d processe	es used by this type of
⊠ No	☐ Ye	s (Describe	or attach inforn	nation)	Attachment No
(4.) Does the market value	he purcha ue of the p	se price bein property?	g paid for this p	oroperty re	asonably reflect the fair
□ No	🛚 Ye	s (Describe	or attach inforr	nation)	Attachment No
Reasonab	le based	on propert	y location a	and condi	tions and deed
restrict:	ions hel	d by adjace	ent owners.		
If you conc purchase p property?	lude that price is be	there is a diffe cause contan	erence, have y nination is knov	ou conside vn or belie	ered whether the lower ved to be present at the
⊠ No	□Ye	s (Describe	or attach inforr	nation)	Attachment No.
the propert	y that wou	uld help the e	cnown or reaso environmental p ed releases? Fo	rofessiona	ertainable information about al to identify conditions a, as User,
(a.) Do you information		past uses of	f the property?	□ No	X Yes (Describe or attach Attachment No.
		rcial since at.		. A gas	station on a portion of
<del>-</del>				present or o	once were present at the
property?	⊠ No	☐ Yes (De	escribe or attac	:h informat	ion) Attachment No
(c.) Do you	know of	spills or other	chemical relea	ases that h	ave taken place at the
property?	⊠ No	☐ Yes (De	escribe or attac	:h informat	ion) Attachment No

(d.) Do you know	of any environmental cleanups that have	ve taken place at the property?
☑ No ☐ Yes (	(Describe or attach information)	Attachment No
(6.) As the User of property are there contamination at the	the ESA, based on your knowledge a any obvious indicators that point to the he property?	nd experience related to the e presence or likely presence of
□ No 图 Yes	(Describe or attach information)	Attachment No
Assessments of	properties across the street sh	nowing "landfill" and some
petroleum relea	ases. Prior Phase I draft repo	cts.

APPENDIX H
QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

#### Gary J. Cluen, LEP

Gary Cluen is a Principal in GZA's Connecticut Office and has an undergraduate (Rensselaer Polytechnic Institute) and master's degree (Rensselaer Polytechnic Institute) in geology. He has over 30 years of experience in performing environmental site characterizations, groundwater monitoring, hazardous waste, and groundwater control projects throughout the United States. He has been responsible for managing site assessments and sampling activities and has designed/managed the installation of groundwater control and site remediation systems on many projects. Project experience includes: environmental site assessments, environmental permitting, groundwater supply evaluations, contamination assessment and cleanup, construction dewatering, groundwater monitoring, landfill closure, lagoon stabilization, RCRA closures, and Remedial Investigation/Feasibility Studies for federal and state Superfund projects. Mr. Cluen is also experienced in designing and installing various construction dewatering and groundwater control systems including: deep well, well point and ejector pumping systems; slurry trenches, grouting, and ground freezing applications.

#### James T. Hutton, LEP

Mr. James Hutton has more than 17 years of experience in the area of environmental site investigation and remediation and has an undergraduate (Colgate University) and master's degree (University of Rhode Island) in geology. At GZA, Mr. Hutton manages a wide variety of projects including: Phase I, II and III site assessments; property transfer filings, subsurface investigation of soils and groundwater, remediation of impacted soil and groundwater, and underground storage tank assessment and closure. Mr. Hutton has developed an in-depth knowledge of regional (New England and New York) environmental regulations and subsurface conditions governing contaminant transport and migration. He also has specific experience in soil remediation in preparation for site development, remedial action plan design and implementation, health and safety plan design and implementation, Petroleum Storage Tank Clean-Up Fund application preparation, soil gas testing programs, and soil vapor extraction systems. Mr. Hutton routinely manages and coordinates multiple investigations and remediation projects for clients in the government, commercial, manufacturing, banking and insurance sectors. He obtained his Connecticut Licensed Environmental Professional license in July 2000. Prior to joining GZA, Mr. Hutton worked as a senior geologist at two other Connecticut environmental consulting firms.