



January 30, 2006

Mr. Scott Alfonse  
Director of Environmental Stewardship  
City of New Bedford  
133 William Street, Room 314  
New Bedford, Massachusetts 02746

Clayton Project No. 41-04087.00

Subject: Phase I Environmental Site Assessment with Limited Subsurface Investigation for the Vacant Lot, located at 29 Brook Street in New Bedford, Massachusetts.

Dear Mr. Alfonse:

Enclosed are one original and one copy of the report entitled "*Phase I Environmental Assessment and Limited Subsurface Investigation for the Vacant Lot, located at 29 Brook Street, New Bedford, Massachusetts.*"

If you have any questions or concerns, please contact Siobhan T. Costello at or me at 508.485.3338.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sanford E. Garrett', with a long horizontal line extending to the right.

Sanford E. Garrett  
Director  
Environmental, Health, and Safety

STC/stc

Enclosures

**Clayton Group Services, Inc.**

A Bureau Veritas Company  
Raritan Center, 160 Fieldcrest Avenue  
Edison, NJ 08837

Main: (732) 225-6040  
Fax: (732) 225-4577  
[www.us.bureauveritas.com](http://www.us.bureauveritas.com)

**Phase I  
Environmental Site Assessment  
and  
Limited Subsurface Investigation**

Vacant Lot  
29 Brook Street  
New Bedford, Massachusetts

January 30, 2006  
Clayton Project No. 41-04087.00  
**CITY OF NEW BEDFORD**  
New Bedford, Massachusetts

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## EXECUTIVE SUMMARY

Mr. Scott Alfonse, Director of Environmental Stewardship with the City of New Bedford, retained Clayton Group Services, Inc. (Clayton) to conduct a Phase I Environmental Site Assessment and Limited Subsurface Investigation of the vacant lot, located at 29 Brook Street in New Bedford, Massachusetts (the "subject property"). The objective of the assessment was to provide an independent, professional opinion regarding recognized environmental conditions, as defined by ASTM, associated with the subject property. This assessment was requested in association with a financial transaction.

This assessment was performed under the conditions of, and in accordance with Clayton's Proposal Number 04BOSES037 dated March 24, 2004, using ASTM E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* as a guideline. Any exceptions to, additions to, or deletions from the ASTM guidelines are described in the report. Details of the work performed, sources of information, and findings are presented in the report. Limitations of the assessment are described in Sections 1.2 and 1.3.

The subject property is a vacant lot, located on 0.792 acres of land in an industrial setting. The planned future use for subject property is for unspecified industrial use.

The historical research presented in this report has established the use of the subject property since 1889; however, Clayton researched as far back as 1865. According to the records reviewed, the former Dawson's Brewery occupied the northern portion of the subject property, extending in a north-northwesterly direction. The southern portion of the subject property was a vacant area, owned by the brewery. Dawson's Brewery was in operation from approximately 1889 to approximately 1975, resuming operations for a brief period until its final closure in 1977. Due to alcohol prohibition, from approximately 1920 to 1933, the brewery operated as an ice plant. Historical city directories for the years 1931, 1932, and 1936 also noted that a Pacific Coast Coal Company, Inc. was in operation at 29 Brook Street. Mann's Transportation was listed at 29 Brook Street, along with Dawson's Brewery, in the historical city directories reviewed from approximately 1937 to approximately 1952. Mann's Transportation was researched at the City of New Bedford Fire Department, and, according to fire department records reviewed, it appears that Mann's Transportation was located on the north adjoining property and was presumably utilized by Dawson's Brewery to ship goods for sale offsite. According to a *Standard Times* newspaper article, dated circa 1979, an auto body shop was housed at the former Dawson's Brewery site. From approximately 1975 to approximately 1979, the former brewery was rented for storage space, which included tire storage, by various businesses and individuals. A fire destroyed a significant portion of the former brewery in 1979. It is Clayton's assumption that the remaining portions of the former brewery building were utilized for storage prior to its demolition in 2000. From approximately 2000 until the present, the subject property has been an inoperative vacant lot.



## EXECUTIVE SUMMARY (Continued)

This assessment has revealed the following *recognized environmental conditions*, as defined by ASTM, in connection with the subject property:

- A limited subsurface investigation, which consisted of advancing ten soil borings, four of which were completed as groundwater monitoring wells, was conducted by Clayton in December 2004 and April 2005. Soil contaminants reported in the laboratory analytical data were compared to the Massachusetts S-2/GW-2/3, and S-3/GW-2/3 standards. Elevated levels, which exceeded all of the applied Massachusetts standards, of the following contaminants were detected in soil:
  - In CB-1 (5-7'), benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene
  - In CB-2 (5-7'), naphthalene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene
  - In CB-3 (0-2'), benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene

Additionally, the following contaminants were detected in soil at concentrations that exceeded the Massachusetts standards, as follows:

- In CB-2 (5-7'), chrysene at 30 parts per million (ppm) and benzo(k)fluoranthene at 23 ppm, each of which exceeds the S-2/GW-2/3 standard of 10 ppm
- In CB-3 (0-2'), Phenanthrene at 120 ppm, which exceeds the S-2/GW-3 and S-3/GW-3 standard of 100 ppm, and benzo(k)fluoranthene at 30 ppm, which exceeds the S-2/GW-2/3 standard of 10 ppm
- Information obtained from the City of New Bedford Department of Environmental Stewardship indicated that the subject property formerly maintained two 15,000-gallon USTs, used to store No. 6 fuel oil, and one 275-gallon UST, used to store No. 2 fuel oil. According to the City of New Bedford Fire Department records reviewed, the two 15,000-gallon USTs were installed at the subject property on July 14, 1949 and removed on November 2, 2000. There were no records regarding the removal of the 275-gallon UST. However, a letter dated May 10, 1977 indicated the 275-gallon UST was emptied and that its contents were purged.



## EXECUTIVE SUMMARY (Continued)

- In October 2005, Clayton excavated seven (7) test pits at the subject property to visually assess the components of the backfill material. Each of the areas excavated contained building debris, piping and charred wood from the ground surface to a depth of 8-feet below ground surface. Field screening of the excavated material for volatile organic vapors detected vapor concentrations ranging from 0.2 to 204 parts per million. A coal tar or burnt wood odor was detected in the excavations. The odor detected is consistent with the semi-volatile organic compounds detected in the soil samples collected on December 2004 and April 2005 by Clayton.

The following environmental conditions, which are not considered to be *recognized environmental conditions*, as defined by ASTM, were revealed during this assessment:

- Hazardous waste manifests from the year 2000 were obtained from the City of New Bedford Department of Environmental Stewardship, indicating that hazardous materials were historically utilized and stored at the subject property. It should be noted that the plant was closed in 1977, indicating that these hazardous materials were removed while the former brewery was not in operation. Therefore, these hazardous waste manifests are mostly likely in accordance with the final demolition of the former brewery building. A Fire Investigation Report, dated April 28, 1979, regarding a suspicious fire in the laboratory, located on the third floor in the northern portion of the building, was on file with the City of New Bedford Fire Department. This building was formerly located on the subject property, and was associated with the former Dawson's Brewery. The report noted that there was a large quantity of toxic corrosives, presumably associated with disinfection processes, that should be moved. The list of corrosives observed included liquid methyl bromide, phosphoric acid, and hydrochloric acid. In addition, a letter to the Fire Department, dated May 10, 1977, indicated that there were previously two 2,000-pound ASTs used to store ammonia. The letter indicated that due to the closing of the plant, the ASTs had been emptied and their contents purged. There was no indication of leaks or spills associated with ASTs.
- According to a Sanborn fire insurance map reviewed, presumably dated circa 1940, a truck garage and an area utilized for the storage of truck trailers, was located on the north adjoining property. Mann's Transportation was listed at 29 Brook Street, along with Dawson's Brewery, in the historical city directories reviewed from approximately 1937 to approximately 1952. Mann's Transportation was researched at the City of New Bedford Fire Department, and, according to fire department records reviewed, it appears that Mann's Transportation was located on the north adjoining property and was presumably utilized by Dawson's Brewery to ship goods for sale offsite. A *Standard Times* newspaper article, dated circa 1979, also indicated that an auto body shop was housed at the former Dawson's Brewery site.



## EXECUTIVE SUMMARY (Continued)

- According to historical city directories reviewed, the subject property was identified as Pacific Coast Coal Company, Inc. in the 1931, 1932, and 1936 city directories. Clayton was unable to obtain any information regarding this company; however, Clayton obtained a *Standard Times* newspaper article, which indicated that the brewery was forced to make ice during alcohol prohibition, which occurred from approximately 1920 to approximately 1933. In accordance with the historical city directories, it is possible that the subject property was also utilized as a coal facility during alcohol prohibition.
- Two dry cleaning facilities, identified as New England & Dyers and Imperial Cleaners & Dyers, were observed to the far north of the subject property in the Sanborn map dated circa 1940. No additional information regarding hazardous material use (specifically chlorinated solvents) at these facilities was obtained by Clayton. Based on laboratory analytical results, it does not appear that these sites have impacted the subject property.

Clayton recommends that the City of New Bedford contract a Licensed Site Professional (LSP) to evaluate if the contaminants detected in soil may be attributed to historic fill material. In addition, Clayton recommends that a ground penetrating radar (GPR) survey be conducted at the subject property to investigate if the 275-gallon UST is still in place.



## 1.0 INTRODUCTION

Mr. Scott Alfonse, Director of Environmental Stewardship with the City of New Bedford, retained Clayton Group Services, Inc. (Clayton) to conduct a Phase I Environmental Site Assessment (assessment) and Limited Subsurface Investigation of the vacant lot, located at 29 Brook Street, in New Bedford, Massachusetts (the "subject property"). This assessment was requested in association with a financial transaction.

### 1.1 PURPOSE

The objective of this environmental site assessment is to provide an independent, professional opinion regarding *recognized environmental conditions*, as defined by ASTM, associated with the subject property. The term *recognized environmental conditions* (RECs) is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a 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 *de minimis* conditions that generally do not present a material risk of harm to public 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. Conditions determined to be *de minimis* are not RECs.

### 1.2 METHODOLOGY AND EXCEPTIONS

This assessment was performed under the conditions of, and in accordance with Clayton's Proposal Number 04BOSES037 dated March 24, 2004, using ASTM E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* as a guideline.

The assessment included the following components:

- A site walkthrough inspection of the property for visual evidence of potential environmental concerns including existing or potential soil and groundwater contamination, as evidenced by soil or pavement staining or discoloration, stressed vegetation; indications of waste dumping or burial, pits, ponds, or lagoons; containers of hazardous substances or petroleum products; electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and hydraulic hoists; and underground and aboveground storage tanks.



- An investigation of historical use of the site by examining locally available aerial photographs (one source) and other readily available historical information such as fire insurance maps for evidence of prior land use that could have led to recognized environmental conditions.
- A review of information available on general geology and topography of the subject property, local groundwater conditions, sources of water, power, and sewer, and proximity to ecologically sensitive receptors, such as streams, that might be impacted by recognized environmental conditions and environmental issues.
- A review of environmental records available from the property owner or site contact including regulatory agency reports, permits, registrations, and consultants' reports for evidence of recognized environmental conditions.
- A site property line visual assessment of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- A review of a commercial database summary of federal and state regulatory agency records pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property.
- Evaluation of information gathered and development of this report.

This assessment also included the following non-ASTM items:

- Research of available resources concerning radon.
- Research of available resources concerning wetlands and other sensitive ecological areas.

This assessment did not include sampling or analysis of soil, groundwater or other materials.

Ms. Siobhan T. Costello, Staff Environmental Consultant, from Clayton's Boston Regional Office, conducted the site walkthrough portion of the assessment on March 31, 2004, unaccompanied. Resumes for environmental professionals involved in this assessment are included in Appendix A. Photographs taken at the time of the assessment are included behind the *Photographs* Tab.

### **1.3 LIMITING CONDITIONS OF ASSESSMENT**

Information for the assessment was obtained from sources listed in Appendix B. This information, to the extent it was relied on to form our opinion, is assumed to be correct and complete. Clayton is not responsible for the quality or content of information from these sources.



The information and opinions rendered in this report are exclusively for use by the City of New Bedford. Clayton will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by Clayton in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

## **2.0 SUBJECT PROPERTY DESCRIPTION**

### **2.1 LOCATION AND LEGAL DESCRIPTION**

The subject property, a vacant lot, is located at 29 Brook Street, New Bedford, Bristol County, Massachusetts in an industrial setting (Figure 1, *Figures Tab*).

According to the City of New Bedford Tax Assessor, the subject property is further described as Map 092, Lot 0148, Bristol County, Massachusetts.

No record of environmental liens was found in the property records reviewed (Environmental Data Resources, Inc. [EDR], dated April 1, 2004 and municipal records reviewed; Refer to Section 5.3).

### **2.2 CURRENT USE OF SUBJECT PROPERTY**

The subject property, currently owned by the City of New Bedford, is a vacant lot located on 0.792 acre of land.

Because the subject property is a vacant lot, there are no active utility connections.

- No wastewater is generated at the subject property. Based on topography, surface water runoff and groundwater are expected to flow east-southeast, towards the Acushnet River.
- Evidence of discharge sources was not observed at the subject property.
- The planned future use for the subject property is unspecified industrial use.

### **2.3 CURRENT USES OF ADJOINING PROPERTIES**

The area surrounding the subject property is mixed industrial, commercial, and residential. Adjoining properties were observed (from the subject property or from public access areas) for signs of recognized environmental conditions and their potential to pose an environmental concern to the subject property (Figure 2, *Figures Tab*). The uses and features of adjoining properties are described below.



- North:** Triunfo Import Food Corporation and SJR Foods (bakery), beyond which is a paved lot utilized by Bob's Tire Company and a large mill building.
- East:** Across Brook Street is a residential area and Holly Street (to the southwest) and Tallman Street (to the northwest).
- South:** Seaside Towing (towing, oil changes, tire center, brakes), Caltex Corporation (stitching), beyond which is Sawyer Street and a large mill building occupied by the New Bedford Storage Warehouse; a radio tower was observed to the far southeast.
- West:** A railroad track, then Purchase Street, beyond which was a large mill building identified as Pierce Brothers Limited, including Best Supply Heating and Plumbing, and the Golden Dragon Restaurant.

Adjoining properties do not appear to present an environmental concern to the subject property, based on visual observations and information obtained during the assessment, except as noted below.

- Seaside Towing, located on the south adjoining property, performs onsite oil changes. A large stone wall was observed between the subject and south adjoining property. The south adjoining property is completely paved with asphalt. Moreover, the site was not listed on the EDR report, and is located topographically downgradient. Therefore, this site is not expected to present an environmental concern to the subject property.
- A large mill building was located to the north. This site was not listed on any of the databases researched in the EDR report, and, based on distance, is not expected to present an environmental concern to the subject property.
- A radio tower was observed to the far southeast. Based on distance and its topographically downgradient location, this site is not expected to present an environmental concern to the subject property.

## 2.4 PHYSICAL SETTING

The elevation at the subject property is approximately 50-52 feet above mean sea level (United States Geologic Survey [USGS] 1979; EDR Report, dated April 1, 2004).

The subject property is located in the Biotite Gneiss geologic formation. This is an area characterized by layered feldspathic gneiss (Proterozoic Z [Bedrock Geological Map of Massachusetts, dated 1983]).



The main soil type found on and around the subject property is Urban Land (Soil Survey of Bristol County, Massachusetts, Southern Part, United States Department of Agriculture, Soil Conservation Service, dated October 1981). This soil type consists of areas covered by structures, including commercial and industrial areas, parking lots, and roads. Included in this unit are small areas of Urthodents, smoothed. Urthodents smoothed soil is typically characterized by nearly level areas formed by excavated/filled areas from construction projects. Areas of this unit are irregular in shape and range from 5 to 200 acres, with an average of 50 acres. Approximately fifteen percent of this unit consists of small, urbanized areas and small areas of undisturbed soils. Most of these areas are located near athletic fields or near interstate highways. Some of these areas have been smoothed, have had topsoil added, and have been seeded for hay. No information regarding soil permeability was available.

The regional shallow groundwater flow direction is inferred to be east-southeast towards the Acushnet River, which is located approximately one-half mile to the east-southeast, based on surface topography. However, topography is not always a reliable basis for predicting groundwater flow direction. The local gradient under the subject property may be influenced naturally by zones of higher or lower permeability, or artificially by nearby pumping or recharge, and may deviate from the regional trend.

A UST removal letter report, prepared by Vanasse Hangen Brustlin, Inc. (VHB), dated January 15, 2001, indicated that during the removal of two 15,000-gallon USTs at the subject property, groundwater was encountered at the base of the tank excavation, approximately ten feet below ground surface (bgs). Based on information provided in the EDR database report, the depth to groundwater is expected to be approximately 14 feet bgs.

### **3.0 HISTORICAL AND AGENCY REVIEW**

#### **3.1 AERIAL PHOTOGRAPHS**

Aerial photographs, which include the subject and adjoining properties, were reviewed at the City of New Bedford and Engineering Department in New Bedford, Massachusetts. Photographs reviewed are summarized as follows:

1975 Aerial Photograph; Scale: 1" = 100'

- The subject property was developed with a section of an industrial building, presumably associated with the former Dawson's Brewery. Adjoining properties included:

**North:** One commercial building was observed, beyond which was a vacant area and a large mill building.

**South:** One commercial building, consistent with the configuration of the current building, was observed.



**East:** Brook Street was observed, beyond which was a residential area and Holly Street (to the southwest) and Tallman Street (to the northwest).

**West:** A railroad track was observed, beyond which was Purchase Street.

1998 Aerial Photograph; Scale: 1" = 100'

- No significant changes were observed on the subject and adjoining properties from the 1975 aerial photograph, except that the area to the north, beyond the commercial structure, was a parking area with numerous trailers, beyond which was a mill building.

No readily apparent evidence of recognized environmental conditions at the subject or adjoining properties was noted on the aerial photographs reviewed.

### 3.2 USGS TOPOGRAPHIC MAPS

Historic topographic maps for the subject property and vicinity were viewed at <http://www.docs.unh.edu/towns/massachusettsstownlist.htm> for the years 1885, 1936, and 1949 and were obtained from the USGS collection for the year 1979. The maps depicted the following:

Quadrangle: New Bedford, MA (southwest corner) Scale: 1:62,500 Series: 15 Minute

1885: The subject property was depicted as vacant land. Brook Street was not depicted. A railroad track was depicted to the west. Several unnamed streets were depicted to the north, northeast, and east, beyond which was the Acushnet River/New Bedford Harbor. An urbanized area was depicted to the south.

Quadrangle: New Bedford North, MA (northeast corner) Scale: 1:31,680 Series: 7.5 Minute

1936: No significant changes were depicted from the 1885 topographic map, except that Brook Street was depicted in a shaded portion of the map, indicating an urbanized area. The building associated with Dawson's Brewery was not depicted. A railroad track was depicted to the west, beyond which were several large commercial structures. Several streets were depicted to the north and south of the subject property. Several streets were also depicted to the east, including Acushnet Avenue. St. Anthony School was depicted to the far northeast.

Quadrangle: New Bedford North, MA (northeast corner) Scale: 1:31,680 Series: 7.5 Minute

1949: No significant changes were depicted from the 1936 topographic map.



Quadrangle: New Bedford North Scale: 1:25,000 Series: 7.5 Minute

1979: No significant changes were depicted from the 1949 topographic map, except that three large structures were depicted on Brook Street, presumably the Dawson's Brewery building and the adjoining properties, and several large structures were depicted to the north of the subject property. Several small structures were depicted to the west and southwest, across the railroad track. Interstate 195 was depicted to the far south, in an area not depicted in the previous topographic maps reviewed.

No readily apparent evidence of recognized environmental conditions at the subject or adjoining properties was noted on the topographic maps reviewed.

### 3.3 FIRE INSURANCE MAPS

Fire insurance maps that include the subject and adjoining properties were obtained from EDR for the period 1906 to 1995. One, undated, fire insurance map was also obtained at the City of New Bedford Fire Department. It is Clayton's belief that the map is dated circa 1940, based on the fact that the property to the far north had one 1,000-gallon UST (which, according to fire department records, was installed and removed in 1940), and because the brewery was depicted as active, indicating that the map is post-1937, when the brewery reopened after alcohol prohibition. The maps depicted the following:

1906: The subject property was depicted with a section of a large structure, identified as Dawson & Son Brewery. A railroad spur, associated with the railroad track located to the west, ran along the northern portion of the subject property. One structure was depicted on the western portion of the subject property, adjacent to the railroad track. A small structure was also depicted to the north of the brewery building. Vacant land was depicted on the north adjoining property. Holden, Leonard, & Co., a woolen mill consisting of several buildings, was depicted to the far north. The map noted that the mill utilized power and heat steam, gas lighting, and had two gasoline fuel tanks outside the northern portion of the main building. Residential dwellings and vacant land were depicted to the east, across Brook Street. Vacant land was depicted to the south, beyond which was Sawyer Street.

1924: No significant changes were depicted from the 1906 Sanborn map, except that the subject property was identified as the Isaac Dawson Brewery and had expanded to two buildings, the northern consisting of an office, storage area, and an ice plant, and the southern consisting of a wash room, stock room, and storage area. The expansion of these buildings was northerly, beyond the subject property boundary. The map noted that everything in the brewery was closed except for the ice plant. It also noted that the brewery was steam heated and had gas and electric lighting. A possible storage tank was also depicted; however, due to the poor clarity of the map, it is unclear if the tank was used for gasoline storage. The railroad spur, which formerly ran along the northern



portion of the subject property, was no longer depicted. The structure to the west, adjacent to the railroad track, was identified as a shop. Vacant land was depicted to the south, beyond which was Sawyer Street. The mill building to the far north was depicted, but was not described, due to the fact that it was identified on another map. The area to the east, located across Brook Street, was depicted with additional residential dwellings and flats.

- 1940: No significant changes were depicted from the 1924 Sanborn map, except that the subject property was not depicted on this map; however, the north adjoining property was depicted as an area associated with Dawson's Brewery, including a truck garage to the northwest and an area for storage of truck trailers, presumably used to ship goods offsite for sale, to the north. The large mill building to the far north was identified as Laurans Bros., Inc. Imperial Cleaners & Dyers (dry cleaning) was depicted beyond the Laurans Bros., Inc. building. Two 500-gallon USTs and one 1,000-gallon UST were depicted to the west of Imperial Cleaners & Dyers. A smaller dry cleaning facility, identified as New England Cleaners & Dyers, was also depicted in this area. A vacant lot was depicted to the east of Imperial Cleaners, beyond which was Gilt Edge Textile Mill (silk weaving). One 3,000-gallon UST was depicted in association with this mill. A large building, identified as Monarch Clothing Company, was depicted to the far north, beyond Imperial Cleaners and Laurans Bros., Inc. One 300,000-gallon cistern (contents unknown) was depicted in association with Monarch Clothing Company.
- 1950: No significant changes were depicted from the 1924 Sanborn map, except that the subject property was identified as Dawson's Brewery, Inc. and had further expanded. The structure on the west, adjacent to the railroad track, had also expanded. A private garage was depicted on the south adjoining property, beyond which was Sawyer Street.
- 1990: No significant changes were depicted from the 1950 Sanborn map, except that the structure on the western portion of the subject property was identified as a storage and sign printing area.
- 1992: No significant changes were depicted from the 1990 Sanborn map, except that the southern building associated with the brewery on the subject property was identified as mostly vacant.
- 1993: No significant changes were depicted from the 1992 Sanborn map.
- 1995: No significant changes were depicted from the 1993 Sanborn map.



### 3.4 CITY DIRECTORIES

An incomplete set of New Bedford and Manning's City Directories, that included the subject and adjoining properties, was reviewed at the City of New Bedford Public Library on March 31, 2004. Clayton researched as far back as 1865, however, the city directories contained only residential listings until approximately 1915. From approximately 1900 to 1915 Clayton was able to locate the subject property in the Business Directory of Patrons/Advertisements section, under either "Bottlers (Ale, Porter, etc.)" or "Brewery." Along with Dawson's Brewery, Mann's Transportation was listed at 29 Brook Street from approximately 1937 until approximately 1952. According to the City of New Bedford Fire Department records reviewed, Mann's Transportation appears to be located on the north adjoining property and was presumably utilized by Dawson's Brewery to ship goods for sale offsite. A summary of the listings for the subject and adjoining properties is shown below:

Year	Subject Property	Adjoining Properties
1891	Not Listed	Not Listed
1895	Not Listed	Not Listed
1896	Not Listed	Not Listed
1897	Not Listed	Not Listed
1899	Not Listed	Not Listed
1900	<u>29 Brook Street</u> Dawson & Son Brewery	Not Listed
1915	<u>29 Brook Street</u> Dawson & Son Brewery	<u>Brook Street</u> Listed, no occupancies listed
1921	<u>29 Brook Street</u> Not Listed	<u>Brook Street</u> 15, 32, 36 - Residential
1926	<u>29 Brook Street</u> Not Listed	<u>Brook Street</u> 14, 15, 32, 36 - Residential
1930	<u>29 Brook Street</u> Dawson, John	<u>Brook Street</u> 7, 14, 24, 32, 26 - Residential 27 - Farmer's Dairy Inc.
1931	<u>29 Brook Street</u> Pacific Coal Company, Inc.	<u>Brook Street</u> 7, 14, 32, 26 - Residential 27 - Farmer's Dairy Inc.



Year	Subject Property	Adjoining Properties
1932	<u>29 Brook Street</u> Pacific Coast Coal Company, Inc.	<u>Brook Street</u> 7, 14, 32, 26 – Residential 27 – Farmer’s Dairy Inc.
1936	<u>29 Brook Street</u> Pacific Coast Coal Company, Inc	<u>Brook Street</u> 7, 10, 14, 32, 36 – Residential 27 – Dawson’s Brewery, Inc.
1937	<u>29 Brook Street</u> Dawson’s Brewery, Inc. Mann’s Transportation	<u>Brook Street</u> 7, 10, 14, 32, 36 – Residential
1943	<u>29 Brook Street</u> Dawson’s Brewery, Inc. Mann’s Transportation	<u>Brook Street</u> 10, 14, 32, 36 – Residential
1952	<u>29 Brook Street</u> Dawson’s Brewery, Inc. Mann’s Transportation	<u>Brook Street</u> 10, 14, 32, 36 – Residential
1971	<u>29 Brook Street</u> Forrest Brewing Company, a Subsidiary of Jacob Ruppert, Inc.	<u>Brook Street</u> 14 – Residence and Jacob Ruppert, Inc. 32, 36 - Residential

No readily apparent evidence of recognized environmental conditions at the subject or adjoining properties was noted in the city directories reviewed, except for the Pacific Coast Coal Company, Inc., which was listed at 29 Brook Street in the 1931 and 1932 city directories. A release of coal/coal ash to the soil may have occurred at the subject property, in conjunction with the Pacific Coast Coal Company, Inc.

### 3.5 PRIOR OWNERSHIP

Readily available records at the City of New Bedford Tax Assessor’s Office were reviewed to assess past ownership of the subject property. This information is summarized below. The subject property is currently owned by the City of New Bedford.



Date	Record Book/ Page	Grantor
12/31/1989	2026/1233	N/A
10/01/1991	2701/162	David Fournier
11/26/1991	2727/63	Madison Finance
07/05/1994	3326/183	29 Brook Street
09/25/1997	3953/149	Madison Avenue
09/30/1997	3956/138	Laurel Avenue
02/25/2000	4627/66	Sylvia, Daniel F. (C/O City of New Bedford)

No readily apparent evidence of recognized environmental conditions at the subject property was noted in the ownership records reviewed.

### 3.6 AGENCY CONTACTS

#### 3.6.1 City of New Bedford Inspectional Services Department

The City of New Bedford Inspectional Services Department was visited on March 31, 2004 to obtain information regarding environmental permits, concerns, violations, or historical use at the subject property. These permits may pertain to the entire brewery property, some of which may not be specific to the current subject property. According to staff, the City of New Bedford Inspectional Services Department has the following building permits on file:

- 1902: Permit No. 175-02, indicating that a stable was located on the subject property.
- 1907: Permit No. 388-07, indicating that an ice plant was located on the subject property.
- 1930: Permit No. 53-30, indicating that a new boiler was installed at the subject property.
- 1933: Permit No. 173-33, indicating that alterations were performed at the brewery formerly located at the subject property.
- 1935: Permit No. 82-35, indicating that there was an addition and alterations to the brewery formerly located at the subject property.
- 1936: Permit No. 290-36, indicating that there was an addition to the bottling plant.
- 1937: Permit No. 168-37, indicating that an addition was to be erected and moved offsite.



- 1939: Permit No. 191-39, indicating that a storage building was erected on the subject property.
- 1942: Permit No. 109-42, indicating that a roof house was erected on the subject property.
- 1943: Permit No. 406-43, indicating that a grain receiving building was present on the subject property.
- 1944: Permit No. 222-44, indicating that a cooling tower was present at the subject property.
- 1945: Permit No. 75-45, indicating that structural alterations were performed in Cellar #4.
- 1946: Permit No. 242-46, indicating that an addition to the brew house was to be erected.
- 1949: Permit No. 897-49, indicating that a cooling tank foundation was to be installed.
- 05/17/1979: No Permit Number, two survey letters were sent regarding fire damage.
- 1979: Permit No. 386-79, indicating that a portion of the building was to be demolished.
- 1992: Permit No. 40-92 to install a 14' x 10' garage door.
- 07/28/1999: No Permit Number, fire mentioned.
- 1999: Permit No. 269-99, indicating that the subject property was a brewery.
- 03/03/2000: No Permit Number, there was a mention of a certified letter. No details regarding this letter or its content were provided. The letter was not available for review. This was the most recent record on file.

Clayton filled out a 21E Request Form to obtain information regarding environmental health concerns or violations at the subject property. According to Mr. Barry Sylvia, Chief Sanitarian, the City of New Bedford Department of Inspectional Services does not have any information regarding environmental health concerns at the subject property, nor do they have knowledge of recognized environmental conditions in connection with the subject property.



### **3.6.2 City of New Bedford Department of Environmental Stewardship**

The City of New Bedford Department of Environmental Stewardship was visited on March 31, 2004 and contacted on April 1, 2004. Clayton obtained several hazardous waste manifests from the former Dawson's Brewery, along with an underground storage tank (UST) closure letter report. Refer to Section 3.7 for a summary of the previous report, and Section 5.4 for the hazardous waste manifest information.

### **3.6.3 City of New Bedford Clerk's Office**

The City of New Bedford Clerk's Office was visited on March 31, 2004 to obtain information regarding environmental concerns or violations at the subject property. According to staff, the following record were on file:

- A UST registration card was on file for two 10,000-gallon fuel oil USTs, registered annually from February 3, 1982 to August 19, 1987, billed to Madison Finance Corporation. Although this record states that the two USTs had a 10,000-gallon capacity, the UST removal letter, prepared by VHB, and the tank removal application and permit, reviewed at the City of New Bedford Fire Department, indicated that each UST actually had a 15,000-gallon capacity.

### **3.6.4 City of New Bedford Engineering Department**

The City of New Bedford Engineering Department was visited on March 31, 2004 to obtain information regarding environmental concerns or violations at the subject property. According to staff, the City of New Bedford Engineering Department does not have files on record for the subject property, nor do they have knowledge of recognized environmental conditions in connection with the subject property. Clayton was able to view 1975 and 1998 aerial photographs and a zoning map, dated May 2003. According to the zoning map, the subject property is zoned as Industrial B.

### **3.6.5 City of New Bedford Conservation Commission**

The City of New Bedford Conservation Commission was visited on March 31, 2004 to obtain information regarding environmental concerns or violations at the subject property. According to staff, the City of New Bedford Conservation Commission does not have files on record for the subject property, nor do they have knowledge of recognized environmental conditions in connection with the subject property. Clayton reviewed a Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, which indicated that the subject property is located in Zone C, an area of minimal flooding (Panel No. 255216 0009 B, dated January 5, 1984).

### **3.6.6 City of New Bedford Planning Department**

The City of New Bedford Department Planning Department was visited on March 31, 2004 to obtain information regarding environmental concerns or violations at the subject property.



According to staff, there were no records on file with the City of New Bedford Planning Department for the subject property.

### **3.6.7 City of New Bedford Fire Department**

The City of New Bedford Fire Department, Bureau of Fire Prevention, was visited on March 31, 2004 to obtain information regarding any fires, complaints, permits, violations involving hazardous material use, USTs, or aboveground storage tanks (ASTs) on record for the subject property. Mann's Transportation, listed as 29 Brook Street in the historical city directories reviewed, was researched during the Fire Department file review, despite the fact that it was identified as 7-15 Brook Street in the Fire Department records. Moreover, records pertaining to Farmer's Dairy, Inc., located at 17 Brook Street, and possibly a historical adjoining property, were also reviewed due to a UST on file. A record associated with a brewery, identified at 13 Brook Street, was also reviewed. Files for the mill building to the north of the subject property, identified as 55 Brook Street, were also reviewed.

Although some of these records for the subject property state that the two USTs had a 10,000-gallon capacity, a UST removal letter prepared by VHB, obtained from the City of New Bedford Department of Environmental Stewardship, and the tank removal application and permit, dated November 2, 2000, indicated that the USTs actually had a 15,000-gallon capacity.

According to the City of New Bedford Fire Department, the following records are on file:

#### **29 Brook Street**

- 11/18/1946: Permit and application to install a 280-gallon (dimensions 36" x 64") No. 2 Fuel oil burner, and to keep, store, and use oil in the building in connection therewith.
- 10/27/1948: Note that the former Dawson's Brewery was a one-story building constructed of brick, steel, and concrete, and that the office was steam heated from the main plant.
- 07/14/1949: The installation of two 10,000-gallon fuel oil USTs in the yard, in front of the boiler room, at Dawson's Brewery.
- 01/20/1965: Letter stating that because the six car garage at Dawson's Brewery was no longer a garage, the permit to keep and store gasoline and oil should be revoked.
- 02/11/1965: Letter indicating that the license to keep and store gasoline and oil at Dawson's Brewery was revoked. There was no mention of gasoline or oil disposal, or 275-gallon UST removal.



- 05/10/1977: A letter from Jacob Rupert, Inc. indicating that, due to the closing of the plant, several tanks have been emptied and their contents purged, as to meet the requirements of the fire department. The letter mentioned the following:

29 Brook Street

- Two 10,000-gallon USTs, formerly used to store No. 6 fuel oil, located under the yard, which was black topped.
- One 275-gallon UST, formerly used to store No. 2 fuel oil, located under the boiler room floor.
- Two 2,000 pound ASTs, used to store ammonia.

7 Brook Street

- One 2,000-gallon diesel fuel UST, formerly used to store gasoline.
- 04/28/1979: A Fire Investigation Report regarding a suspicious fire in the laboratory, located on the third floor, in the northern portion of the building. The report noted that there was a large quantity of toxic corrosives that should be moved. The list of corrosives observed included liquid methyl bromide, phosphoric acid, and hydrochloric acid.
- 03/12/1986: Permit and application (Permit No. 8437) to install one 100-gallon propane AST on the southeast side of the Southeastern Auto Body Building, noted to be stored atop a concrete pad.
- 11/02/2000: Permit and application (Permit No. 8437) for the removal of two 15,000-gallon USTs, formerly used to store No. 6 fuel oil (tank dimensions 126" x 23'2"). The removal contractor was Frank Corp. ENU of New Bedford, Massachusetts. The tanks were removed to A.W. Martin (License No. 346) of New Bedford, Massachusetts. No environmental contractor was noted.

13 Brook Street

- 10/17/1997: Permit No. 8437, issued to a brewery, for the removal of one 1,000-gallon UST, formerly used to store gasoline. The UST was removed by Norman's Enterprises, of New Bedford, Massachusetts, and was transported to Mid-City tank yard in New Bedford, Massachusetts.



### **7-15 Brook Street – Mann’s Transportation**

- 02/14/1949: Note that Mann’s Transportation Company (located at 7-15 Brook Street) has one 2,000-gallon UST, contents unknown. The note also mentions that Mann’s Transportation Company is a one-story cement block and brick building.
- 02/14/1949: Note that Mann’s Transportation Company (located at 7 Brook Street) has one 2,000-gallon UST, contents unknown.

### **17 Brook Street – Farmer’s Dairy, Inc.**

- 12/15/1927: Note of a 3,000-gallon UST.

### **55 Brook Street – Mill Building to the north**

- 01/24/1940: Permit No. 11514, indicating the installation of one 1,000-gallon gasoline tank.
- 1940: Note mentioning the presence of one 1,000-gallon gasoline/fuel oil UST.
- 1940: Permit to remove one 1,000-gallon gasoline UST.
- 08/1947: Permit No. 11514, indicating the installation of an additional 5,000-gallon gasoline tank.

### **3.6.8 Other Agency Records**

Clayton obtained a *Standard Times* newspaper article ([http://www.ci\\_new-bedford.ma.us/psafety/fire/072899fire.html](http://www.ci_new-bedford.ma.us/psafety/fire/072899fire.html)), which detailed the fire that occurred at the former Dawson’s Brewery in 1979. The article provided a historical background of the former brewery, indicating that the brewery building also contained an auto body shop. The article stated that the brewery was founded in 1889 and was forced to make ice during alcohol prohibition, which occurred from approximately 1920 to approximately 1933. According to the article, the brewery closed in 1975 and reopened briefly a few years later, before its final closing in 1977. From approximately 1975 to approximately 1979, the former brewery was rented for storage space, which included tire storage, by various businesses and individuals.

### **3.7 PREVIOUS ENVIRONMENTAL REPORTS**

A UST removal letter report, prepared by VHB, dated January 15, 2001, was obtained from the City of New Bedford Department of Environmental Stewardship. This letter indicated that two 15,000-gallon No. 6 Fuel oil USTs were removed from the subject property, identified as the former Dawson’s Brewery site, on November 6, 2000. According to the letter report, both USTs appeared to be in good condition, with no visible signs of holes or pitting. VHB obtained twelve soil samples from the tank excavation area and field screened them for volatile organic



compounds (VOCs), using a photo ionization detector (PID). No VOC concentrations were detected during the field screening process. The soil samples consisted of dark brown fine to medium sand and gravel fill materials, with trace coal/coal ash. No olfactory evidence of soil contamination was noted. Groundwater was encountered at the base of the excavation, which was approximately ten feet bgs. No sheen or product was observed on the groundwater.

Additional soil samples were collected from the four sidewall and base areas of the excavation (labeled Bottom 1, Bottom 2, Sidewalls 1+2, Sidewalls 3+4, Bottom 3, Bottom 4, Sidewalls 4+5, and Sidewalls 7+8), for a total of eight samples, and were submitted for laboratory analysis for extractable petroleum hydrocarbons (EPH) by Massachusetts Department of Environmental Protection (MADEP) approved methods. EPH concentrations in two of the soil samples (Sidewalls 1+2 and Sidewalls 7+8, both obtained at a depth of approximately 7-10 feet bgs) exceeded applicable MADEP RCS-1 reporting standards. However, based on the specific target polycyclic aromatic hydrocarbons (PAHs) detected in the EPH analysis and the presence of coal/coal ash fill materials observed in the soil, the EPH exceedances were attributed by VHB to the presence of coal/coal ash and not indicative of a release of fuel oil. VHB concluded that no MADEP reportable release conditions associated with the former USTs existed within the tank removal area.

### 3.8 SUMMARY OF HISTORICAL REVIEW

The historical research presented in this report has established the use of the subject property since 1889; however, Clayton researched as far back as 1865. According to the records reviewed, the former Dawson's Brewery occupied the northern portion of the subject property, extending in a north-northwesterly direction. The southern portion of the subject property was a vacant area, owned by the brewery. Dawson's Brewery was in operation from approximately 1889 to approximately 1975, resuming operations for a brief period until its final closure in 1977. Due to alcohol prohibition, from approximately 1920 to 1933, the brewery operated as an ice plant. Historical city directories for the years 1931, 1932, and 1936 also noted that a Pacific Coast Coal Company, Inc. was in operation at 29 Brook Street. Mann's Transportation was listed at 29 Brook Street, along with Dawson's Brewery, in the historical city directories reviewed from approximately 1937 to approximately 1952. Mann's Transportation was researched at the City of New Bedford Fire Department, and, according to fire department records reviewed, it appears that Mann's Transportation was located on the north adjoining property and was presumably utilized by Dawson's Brewery to ship goods for sale offsite. According to a *Standard Times* newspaper article, dated circa 1979, an auto body shop was housed at the former Dawson's Brewery site. From approximately 1975 to approximately 1979, the former brewery was rented for storage space, which included tire storage, by various businesses and individuals. A fire destroyed a significant portion of the former brewery in 1979. It is Clayton's assumption that the remaining portions of the former brewery building were utilized for storage prior to its demolition in 2000. From approximately 2000 until the present, the subject property has been an inoperative vacant lot.



**4.0 STANDARD ENVIRONMENTAL RECORD SOURCES, FEDERAL, STATE, AND LOCAL**

Available government database information prepared by Environmental Data Resources (EDR), dated April 1, 2004 was reviewed to evaluate both the subject property and any listed sites within ASTM-recommended search distances. Federal, state, and local databases reviewed are included in Appendix D.

The subject property is not listed in the databases reviewed, and no environmental cleanup liens appear to be on record. One hundred and seventy six sites were identified within the specified search distances from the subject property. Due to the large number of sites, Clayton has only listed the sites within one-half mile of the subject property, which are summarized as follows:

Facility	Database	Orientation from Subject Site (miles)	Environmental Concern
G&E Automotive Service 11 Brook Street	RCRIS-SQG, FINDS	<1/8 mile, south	No, downgradient and no violations
No Location Aid 2301 Purchase Street	Release, SHWS	<1/8 mile, west-southwest	See Below
Costa & Sons Service Station Inc. 397 Sawyer Street	UST	<1/8 mile, south-southwest	See Below
Interstate Brands 2185 Purchase Street	UST, RCRIS-SQG, FINDS	<1/8 mile, south	See Below
Mill Building Warehouse 419 Sawyer Street	Release, SHWS	<1/8 mile, southwest	See Below
Property 79 Brook Street	MA Spills, SHWS, LUST, INST CONTROL	<1/8 mile, north-northeast	See Below
Boiler Room Area 1129 County Street	Release, SHWS	1/8-1/4 mile, south-southwest	No, crossgradient, RAO Statement has been submitted
Minit Man Auto Wash 2351 Purchase Street	UST	1/8-1/4 mile, northwest	No, two 10,000-gallon gasoline USTs have been removed, no violations.



Facility	Database	Orientation from Subject Site (miles)	Environmental Concern
Shell Service Station 129 Ashley Boulevard	Release, SHWS, LUST, UST	1/8-1/4 mile, east-southeast	See Below
No Location Aid 435 Sawyer Street	Release, SHWS	1/8-1/4 mile, southwest	No, crossgradient, RAO Statement has been submitted
Fidelio Montrond 121 Ashley Boulevard	UST	1/8-1/4 mile, east-southeast	No, downgradient and two USTs removed
Executive Auto 2359 Purchase Street	RCRIS-SQG, FINDS	1/8-1/4 mile, northwest	No, upgradient but no violations
Glenn Harte 2359 Purchase Street	UST	1/8-1/4 mile, northwest	No, upgradient, one waste oil UST removed, no violations
No Location Aid 116 Ashley Boulevard	Release, SHWS, LUST	1/8-1/4 mile, east-southeast	See Below
Hi-Lo Gas 116 Ashley Boulevard	UST	1/8-1/4 mile, east-southeast	No, downgradient, three gasoline USTs removed, one 6,000- gallon gasoline UST in use, one 8,000- gallon UST in use, no violations
Rear Parking Lot 14 Adams Street	Release, SHWS, LUST	1/8-1/4 mile, south-southwest	No, crossgradient and RAO Statement has been submitted
Tibbetts Engineering Corp. 210 Deane Street	RCRIS-SQG, FINDS	1/8-1/4 mile, north-northwest	No, upgradient, but no violations



Facility	Database	Orientation from Subject Site (miles)	Environmental Concern
Clean Rentals Inc. 1066 County Street	Release, SHWS, LUST, UST	1/8-1/4 mile, south-southwest	No, crossgradient and RAO Statement has been submitted, and three 4,000-gallon diesel and two 4,000-gallon gasoline USTs have been removed.
Brooks 603 1207 Acushnet Avenue	RCRIS-SQG, FINDS	1/8-1/4 mile, east	No, downgradient and no violations
Salvation Army 1145 Acusnet Avenue	Release, SHWS	1/8-1/4 mile, east	No, downgradient and RAO Statement has been submitted
Elite Cleansers 1266 Acushnet Avenue	RCRIS-SQG, FINDS	1/8-1/4 mile, east-northeast	No, crossgradient and no violations
No Location Aid 1 Church Street	Release, SHWS	1/8-1/4 mile, north-northwest	See Below
Alden Corrugated Container 1 Church Street	CERC- NFRAP	1/8-1/4 mile, north-northwest	See Below
Collette/Quansett St. 1 Church Street	Release, SHWS	1/8-1/4 mile, north-northwest	See Below
Island Transportation Company, Inc. 1 Church Street	RCRIS-SQG, FINDS	1/8 - 1/4 mile, north-northwest	No, upgradient, but no violations exist
Payne Cutlery 295 Phillips Avenue	CERCLIS, RCRIS-SQG, FINDS, Release, SHWS	1/4-1/2 mile, north-northeast	See Below
Corner of N. Front Street 40 Bullard Street	Release, SHWS	1/4-1/2 mile, east-northeast	See Below
Property 100 Penniman Street	Release SHWS	1/4-1/2 mile, south-southwest	See Below



Facility	Database	Orientation from Subject Site (miles)	Environmental Concern
No Location Aid 206-378 Belleville Avenue	Release, SHWS, LUST	1/4-1/2 mile, east	No, downgradient, distance, and RAO Statement has been submitted
My Bread Bakery 229 Coffin Avenue	Release, SHWS	1/4-1/2 mile, northeast	No, crossgradient, distance, and RAO Statement has been submitted
New Bedford Harbor NPL Site 103 Sawyer Street	Release, SHWS	1/4-1/2 mile, east	No, downgradient, distance, and site was deemed adequately regulated
Cumberland Farms 1737 Acushnet Avenue	Release, SHWS, LUST, INST CONTROL	1/4-1/2 mile, north-northeast	No, crossgradient, distance, and RAO Statement has been submitted

RAO = A Response Action Outcome asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated in accordance with the Massachusetts Contingency Plan (MCP).

The following sites that may pose an environmental concern to the subject property were evaluated in more detail:

- The property located at 2301 Purchase Street, and topographically crossgradient, was identified on the SHWS and Release databases. According to the EDR report, a 20-gallon spill of diesel fuel oil was reported to the Massachusetts Department of Environmental Protection (MADEP) on November 12, 1994. The site was assigned MADEP Release Tracking Number (RTN) 4-0010910. A Response Action Outcome (RAO) Statement was submitted to the MADEP on November 17, 1995, indicating that a level of no significant risk had been achieved. A release of oil was reported to the MADEP on April 14, 2003. The site was assigned MADEP RTN 4-0017775. According to the EDR report and the MADEP website, a RAO Statement was also submitted to the MADEP on April 14 2003. Based on the regulatory status of this site and the topographically crossgradient location, this site is not expected to present an environmental concern to the subject property.
- Costa & Sons Service Station, Inc., located at 397 Sawyer Street and topographically crossgradient, was identified on the UST database. According to the EDR report, three 4,000 gallon gasoline USTs have been removed from the site, one 550-gallon gasoline UST has been removed from the site, three 8,000-gallon gasoline USTs are in use, one 6,000-gallon diesel fuel UST is in use, and one 1,000-gallon kerosene UST is in use at the site. No violations have



been reported. Based on the regulatory status of this site and the topographically crossgradient location, this site is not expected to present an environmental concern to the subject property.

- Interstate Brands, located at 2185 Purchase Street, and topographically downgradient, was identified on the RCRIS-SQG, FINDS, and UST databases. According to the EDR report, three violations for a small quantity generator achieved compliance on March 20, 1991. Furthermore, one 6,000-gallon diesel UST and one 5,000-gallon diesel UST have been removed from the site. Based on the regulatory status of this site and the topographically downgradient location, this site is not expected to present an environmental concern to the subject property.
- Mill Building Warehouse, located at 419 Sawyer Street, and topographically crossgradient, was identified on the Release and SHWS databases. According to the EDR report, a 20-gallon spill of an unknown chemical from an AST was reported to the MADEP on December 22, 2003. This site was assigned MADEP RTN 4-0018186. This site is currently an unclassified waste site. Based on the topographically crossgradient location of the site and nature of the spill, this site is not expected to present an environmental concern to the subject property.
- The property located at 79 Brook Street, and topographically crossgradient, was identified on the MA Spills, SHWS, LUST, and INST CONTROL databases. According to the EDR report, an approximate 12-inch spill of No. 6 Fuel oil from a UST was reported to the MADEP on March 22, 1994. The release was assigned MADEP RTN 4-0010386. A RAO Statement for this spill was received on April 3, 1995. An Activity Use Limitation (AUL) for this site was received on September 13, 2002. A spill of an unknown chemical was reported to the MADEP on July 15, 1993. This release was assigned MADEP RTN 4-0000989. According to the MADEP website, a Class A2 RAO Statement was received by the MADEP on May 16, 2002, indicating that a permanent solution has been achieved. According to the EDR report, a spill of an unknown material from a drum/barrel occurred on January 7, 1993 and has since been closed, and a spill of No. 2 Fuel oil from a UST occurred on October 11, 1990 and has since been closed. Based on the regulatory status and topographically crossgradient location of this site, this site is not expected to present an environmental concern to the subject property.
- Shell Service Station, located at 129 Ashley Boulevard, and topographically downgradient, was identified on the UST, Release, SHWS, and LUST databases. According to the EDR report, a spill of an unknown chemical from a UST was reported to the MADEP on July 16, 1991. The site was assigned MADEP RTN 4-0001079. The site is currently has a Remedy Operation Status (REMOPS) and is undergoing Phase V Remediation, indicating that the site is relying on Active Operation and Maintenance to achieve a permanent solution. Furthermore, the site currently operates four 6,000-gallon gasoline USTs. No violations exist for these USTs. Based on the regulatory status and topographically downgradient location of this site, this site is not expected to present an environmental concern to the subject property.



- The property located at 116 Ashley Boulevard, and topographically downgradient, was identified on the Release, SHWS, and LUST databases. According to the EDR report, a release of a petroleum based oil, at 250 parts per million (ppm), from a UST was reported to the MADEP on December 16, 1997. The site was assigned MADEP RTN 4-0013556. The site is currently undergoing Phase III remediation and has been classified as a Tier II site by the MADEP, indicating that remedial activities at the site do not have to be monitored by the MADEP, but instead by a Licensed Site Professional (LSP). Based on the regulatory status of the site, distance, and the topographically downgradient location of the site, this site is not expected to present an environmental concern to the subject property.
- The property located at 1 Church Street and topographically upgradient, was identified on the Release and SHWS databases. According to the EDR report and a previous environmental report reviewed entitled *Response Action Outcome Statement* for the former Alden Corrugated Container Property, located at 1 Church Street in New Bedford, MA, prepared by Clayton on February 24, 2004, total petroleum hydrocarbons were detected at the site at a level of 2,100 ppm and lead at 1,700 ppm, which exceeded MADEP Reportable Concentration (RC) levels. These levels were reported to the MADEP on August 19, 1999 and the site was assigned MADEP RTN 4-0014950. According to the MADEP website, a Class A2 RAO Statement was received on February 26, 2004, indicating that a permanent solution has been achieved. Based on the regulatory status and distance, this site is not expected to present an environmental concern to the subject property.
- Alden Corrugated Container, located at One Church Street, and topographically upgradient, was identified on the CERC-NFRAP database. According to the EDR report, this site was described as a non-oil spill site, and as a removal only site. Soil removal was completed on July 6, 1995 and it was determined that the site was a Non-NPL, indicating that it was not a national/federal priority, on October 7, 1996. A previous environmental report entitled *Response Action Outcome Statement* for the former Alden Corrugated Container Property, located at 1 Church Street in New Bedford, MA, prepared by Clayton on February 24, 2004, was reviewed. According to the report, this site was assigned MADEP RTN 4-12324 on June 28, 1996, following the discovery of a UST. However, this RTN was later downgraded to “less than” status, indicating that the release or threat originally reported was later determined to be a non-reportable condition.
- Collette/Quansett Street, located at 1 Church Street, and topographically upgradient, was identified on the Release and SHWS databases. A previous environmental report entitled *Response Action Outcome Statement* for the Corrugated Container Property, located at 1 Church Street in New Bedford, MA, prepared by Clayton on February 24, 2004, was reviewed. According to the report, this site was assigned MADEP RTN 4-11155 in February 1995 due to some hazardous materials observed by the City of New Bedford Fire Department, who were onsite responding to a fire. A Class A1 RAO Statement was submitted for this release on August 28, 1995, indicating that a permanent solution has been achieved. Based on the



regulatory status and distance, this site is not expected to present and environmental concern to the subject property.

- Payne Cutlery, located at 295 Philips Avenue, and topographically crossgradient, was identified on the CERCLIS, RCRIS-SQG, FINDS, Release, and SHWS databases. According to the EDR report, the site was described as an old, large, three-acre brick factory, currently used for chemical storage. A release of petroleum-based oil was reported to the MADEP on April 8, 1987. This release was assigned MADEP RTN 4-0000404 and was classified as a Tier 1D site on August 9, 1995, indicating that the responsible party has not reached MADEP compliance. A release of trichloroethene, at 5 ppm, was reported to the MADEP on February 7, 2002. This release was assigned MADEP RTN 4-0015373 and was also classified as a Tier 1D site by the MADEP on February 14, 2002. Four RCRIS-SQG violations exist at this site. Although this site is not in compliance with the MADEP, based on distance and the topographically crossgradient location, this site is not expected to present and environmental concern to the subject property.
- The property located on the corner of North Front Street, 40 Bullard Street, and topographically crossgradient, was identified on the Release and SHWS databases. According to the EDR report, a release of No. 2 Fuel oil from the crankcase of a vehicle was reported to the MADEP on August 7, 1995. The release was assigned MADEP RTN 4-0011580 and was classified as a Tier 1D site, indicating that the responsible party has not reached MADEP compliance, on August 14, 1996. Although the site is not in compliance with the MADEP, based on distance and the topographically crossgradient location of the site, this site is not expected to present an environmental concern to the subject property.
- The property located at 100 Penniman Street, and topographically crossgradient, was identified on the Release and SHWS databases. According to the EDR report, a release of an unknown chemical was reported to the MADEP on December 13, 1999. The release was assigned MADEP RTN 4-0006052. The site was classified as a Tier 1D site on March 6, 1995, indicating that the responsible party has not reached MADEP compliance. Although the site is not in compliance with the MADEP, based on distance and the topographically crossgradient location of the site, this site is not expected to present an environmental concern to the subject property.

The other listed sites are not expected to present an environmental concern to the subject property because they only hold an operating permit (which does not imply a problem), require no further action, or based upon Clayton's review, are too distant and/or topographically downgradient or crossgradient relative to the subject property to reasonably affect it.

Unmappable sites cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information in the environmental database record provided by its applicable agency. Cross referencing addresses and site names, as well as a visual reconnaissance of surrounding properties, has been completed



for the unmappable facility sites. The subject and adjacent properties were not identified on the unmappable sites listing in the environmental database report. No unmappable sites were identified with the potential to impact the subject property.

## 5.0 SITE RECONNAISSANCE AND INTERVIEWS

### 5.1 METHODOLOGY AND LIMITATIONS

Clayton was provided full access to the subject property and inspected all areas on foot.

### 5.2 GENERAL OBSERVATIONS

At the time of the assessment, Clayton observed the subject property to be a topographically flat, vacant parcel, covered with construction and demolition (C&D) debris, particularly crushed brick, and some overgrown vegetation. In addition, rubbish was scattered throughout the area. A large stone wall was observed along the western portion of the subject property, extending partially along the southern border. A fence ran along the remainder of the southern border, along the eastern border, and partially along the northern border of the subject property. The remainder of the northern border consisted of a concrete and asphalt paved area associated with the north adjoining property. A solid waste dumpster, presumably associated with the north adjoining property, was also observed on the northern border. According to a label, this dumpster is maintained by Frade's Disposal. The dumpster is located atop a concrete pad, and no unusual stains or cracks were observed.

Summarized below is the site inspection and findings overview. All items that are, or are known to have been present at the subject property are noted in the table. The table also notes items that may present concerns to the subject property. Additional information about items noted can be found in the referenced section of this report.

Onsite Environmental Features	Currently/ Historically Present (Y/N)	Possible Environmental Condition (Y/N)	Report Section
Hazardous Substances or Petroleum Products	Y	Y	3.6.2, 3.6.3, 3.6.7, 3.7, 5.4
Underground Storage Tanks	Y	Y	3.6.2, 3.6.3, 3.6.7, 3.7, 5.5, 5.5.1
Aboveground Storage Tanks	Y	N	3.6.7, 5.5.2, 5.4



Onsite Environmental Features	Currently/ Historically Present (Y/N)	Possible Environmental Condition (Y/N)	Report Section
Odors	N	N	
Air Emissions (stacks, hoods, other point sources)	N	N	
Pools of Liquid	N	N	
Drums	N	N	
Unidentified Substance Containers	N	N	
Electrical Equipment/Possible PCBs	N	N	
Hydraulic Equipment/Possible PCBs	N	N	
Stains or Corrosion	N	N	
Drains	N	N	
Sumps	N	N	
Pits, Ponds, or Lagoons	N	N	
Stained Soil or Pavement	N	N	
Stressed Vegetation	N	N	
Evidence of Spills or Releases	N	N	
Artificially Filled Areas (Solid Waste Disposal)	N	N	
Waste Water	N	N	
Wells	N	N	
Septic Systems	N	N	
Dry Cleaning Operations	N	N	
Agricultural Use (Pesticides/herbicides)	N	N	
Oil/Gas Production or Exploration	N	N	
Railroad Spur	Y	N	3.3
Remedial Activities	N	N	

### 5.3 INTERVIEWS

All of the information obtained in this report was provided by previous environmental reports reviewed and a review of records maintained by the City of New Bedford Inspectional Services Department, City of New Bedford Department of Environmental Stewardship, City of New Bedford Engineering Department, City of New Bedford Conservation Commission, City of New Bedford Clerk's Office, City of New Bedford Planning Department, City of New Bedford Fire Department, City of New Bedford Public Library, and Environmental Data Resources.



#### 5.4 HAZARDOUS MATERIAL AND WASTE

The subject property was assessed for signs of storage, use, or disposal of hazardous materials. The assessment consisted of noting evidence (e.g., drums, unusual vegetation patterns, staining) indicating that hazardous materials are currently or were previously located on the subject property.

Potentially hazardous materials are currently not used or stored onsite. No visual observations were made that indicated potential historical use of hazardous materials.

However, a Fire Investigation Report, dated April 28, 1979, regarding a suspicious fire in the laboratory, located on the third floor in the northern portion of the building, was on file with the City of New Bedford Fire Department. This building was formerly located on the subject property, and was associated with the former Dawson's Brewery. The report noted that there was a large quantity of toxic corrosives that should be moved. The list of corrosives observed included liquid methyl bromide, phosphoric acid, and hydrochloric acid. In addition, a letter to the Fire Department, dated May 10, 1977, indicated that there were previously two 2,000-pound ASTs used to store ammonia. The letter indicated that due to the closing of the plant, the ASTs had been emptied and their contents purged.

Hazardous waste manifests were obtained from the City of New Bedford Department of Environmental Stewardship, indicating that the following hazardous materials were historically stored at the subject property. It should be noted that the plant was closed in 1977, indicating that these hazardous materials were removed prior to the demolition of the former brewery building.

Summary of Waste Oil and Hazardous Waste Disposal				
Date	Waste Description	Quantity	Transporter	Disposal Facility
01/02/00	Acetylene, Dissolved Flammable Gas	200 lbs.	Yellow Freight	MG Industries Morrisville, Pennsylvania
03/11/00	Waste Corrosive Liquid, Acidic, Inorganic	50 gallons	Oil Recovery Corp	Jones Environmental Services NE, Inc. Lowell, Massachusetts
	Waste Corrosive Liquid, Acidic, Inorganic	50 gallons		
	Batteries, Wet, Filled With Acid	200		



**Summary of Waste Oil and Hazardous Waste Disposal**

Date	Waste Description	Quantity	Transporter	Disposal Facility
03/14/00	Waste Corrosive Liquids, Acidic, Inorganic (Sulfuric Acid, Hydrochloric Acid)	200 gallons	Oil Recovery Corp.	Jones Environmental Services NE, Inc. New Bedford, Massachusetts
	Waste Corrosive Liquids, Acidic, Inorganic (Sulfuric Acid, Hydrochloric Acid)	200 gallons		
	Waste Corrosive Liquids, Basic, Inorganic (Ammonia Solutions)	Unclear		
	Waste Mercury	Unclear		
05/11/00	RQ Waste Aerosols, flammable	55 gallons	Oil Recovery Corp.	Pollution Control Industries East Chicago, Illinois
	RQ Waste Flammable Liquids (Paints/Petroleum Distillates)	100 gallons		
	RQ Waste Flammable Liquids (Paints/Petroleum Distillates)	400 gallons		
	Waste Flammable Solids, Organic	150 gallons		
08/24/00	State Regulated Oil Sludge	55 gallons	Frank Corp.	Jones Environmental Services NE, Inc. New Bedford, Massachusetts
	RQ Corrosive Liquid, Acidic, Inorganic	120 gallons		
	Combustible Liquid	55 gallons		
	Combustible Liquid	110 gallons		
10/01/00	Combustible Liquid (No. 6 Fuel/Water)	2,150 gallons	Frank Corp.	Environmental Compliance Corp. Stoughton, Massachusetts



**Summary of Waste Oil and Hazardous Waste Disposal**

Date	Waste Description	Quantity	Transporter	Disposal Facility
10/24/00	Non RCRA Liquid	3,500 gallons	Frank Corp.	Environmental Compliance Corp. Stoughton, Massachusetts
10/24/00	Non RCRA Liquid	6,000 gallons	Frank Corp.	Environmental Compliance Corp. Stoughton, Massachusetts
10/25/00	Non RCRA Liquid	6,000 gallons	Frank Corp.	Environmental Compliance Corp. Stoughton, Massachusetts
10/31/00	State Regulated Oily Solid	400 gallons	Frank Corp.	Jones Environmental Services NE, Inc. New Bedford, Massachusetts
11/01/00	State Regulated Oily Solid	800 gallons	Frank Corp.	Jones Environmental Services NE, Inc. New Bedford, Massachusetts

**5.5 STORAGE TANKS**

**5.5.1 Underground Storage Tanks**

According to the City of New Bedford Fire Department records reviewed, and information obtained from the City of New Bedford Department of Environmental Stewardship, the subject property formerly maintained two 15,000-gallon USTs, used to store No. 6 Fuel oil and one 275-gallon UST, used to store No. 2 Fuel oil. Although records reviewed and obtained from the City of New Bedford Clerk's Office and some Fire Department records indicated that the two USTs were of 10,000-gallon capacity, more recent Fire Department records, particularly tank removal permits and regulatory compliance documents, indicated that the two USTs were actually of 15,000-gallon capacity.



According to the City of New Bedford Fire Department records reviewed, the two 15,000-gallon USTs were installed at the subject property on July 14, 1949 and removed on November 2, 2000.

There were no records regarding the removal of the 275-gallon UST. However, the letter dated May 10, 1977 indicated the 275-gallon UST was emptied and that its contents were purged.

No visual evidence (pipes, vents, pumps, stains) that would indicate current USTs present on-site was apparent. Furthermore, review of historical records, there are no USTs registered with the State of Massachusetts (EDR, dated April 1, 2004), and interviews with local agency officials indicate that no USTs are currently on-site.

The lack of visible evidence and owner/operator knowledge of USTs at the facility does not preclude the possibility that USTs could be present at the site. Visible evidence of USTs such as fill ports or vents may have been removed or obscured from view and an UST could have been used at the subject site without the knowledge of the current owner/operator.

#### **5.5.2 Aboveground Storage Tanks**

According to the City of New Bedford Fire Department records reviewed the subject property formerly maintained two 2,000-pound ASTs, used to store ammonia. A letter, dated May 10, 1977, indicated that the two ASTs had been emptied and that their contents had been purged. There was no indication of leaks or spills associated with AST. There were no records regarding the removal of the tanks, however, evidence of ASTs was not observed during the site assessment. In addition, no ASTs are registered with the State of Massachusetts (EDR, dated April 1, 2004).

#### **5.6 INDICATIONS OF SOLID WASTE DISPOSAL**

Currently, nonhazardous solid waste is not generated onsite. However, one solid waste dumpster, associated with the north adjoining property, was observed along the northern border of the subject property. The dumpster was located atop a concrete pad. No cracks or unusual staining was observed in the area of the dumpster. A label on the dumpster indicated that it is maintained by Frade's Disposal.

#### **5.7 INDICATIONS OF POLYCHLORINATED BIPHENYLS (PCBS)**

The subject property was inspected for the presence of liquid-cooled electrical units (transformers, light ballasts, and capacitors), and major sources of hydraulic fluid (elevators and lifts). Such units are notable because they may be potential PCB sources.

Transformers, capacitors, or other potential PCB sources were not observed at the subject property.



Three, unlabeled pole-mounted transformers were observed on the sidewalk adjacent to the southeastern corner of the subject property. One, unlabeled pole-mounted transformer (Serial No. 50-163) was observed across Brook Street, near the northeastern portion of the subject property. Additionally, three, unlabeled pole-mounted transformers (Serial No. 25) were observed to the far northeast, across Brook Street, on the corner of Brook Street and Tallman Street.

Clayton contacted Ms. Lorraine Durgen, Customer Service Representative with NSTAR, on April 15, 2004 regarding the possible PCB content of these transformers. According to Ms. Durgen, the three sets of pole-mounted transformers observed were all installed in 1950 and contain C Grade Oil. Ms. Durgen planned to check the PCB content of these transformers. Clayton has not received a response from Ms. Durgen.

It is unknown if large transformers, commonly containing PCBs, were formerly utilized at the site. However, based on the fact that a brewery, presumably containing numerous cooling and refrigeration units, was historically situated on the site, it is likely that transformers were utilized to power these units. Therefore, it is possible that a release of PCBs to the ground surface from a transformer may have historically occurred at the site.

## **5.8 WELLS**

Evidence of wells (monitoring, supply, or dry wells) was not observed during the assessment. According to the EDR report, there are no records of active, inactive, destroyed wells, or dry wells at the subject property. Furthermore, there are no dry wells permitted with the State of Massachusetts (EDR, dated April 1, 2004) for the subject property.

## **5.9 SOIL SAMPLING**

On December 14 and 15, 2004, Soil Exploration, under the direction of Clayton, used Hollow Stem Auger drilling equipment to advance ten soil borings (CB-1 through CB-10) at the subject property. Each boring was advanced to a depth of approximately fifteen feet below ground surface (bgs) or until bedrock refusal. Using a split spoon sampler, soil samples were collected at two-foot intervals using standard sampling methods.

The soil samples were screened using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. The PID, calibrated to an isobutylene standard, measures total concentrations of organic vapors. The PID cannot identify or quantify specific components. Soil samples collected were typically split into two portions; one portion was placed in a clean glass mason jar for headspace analysis with the PID and geologic classification, and the other portion was placed into a clean laboratory-provided jar for laboratory chemical analysis. Elevated PID levels were detected in soil samples CB-1 (0-2') at 36.6 parts per million (ppm), CB-1 (5-7') at 74.9 ppm, and in CB-1 (13-15') at 298 ppm.



Two soil samples were collected from each of the soil borings (CB-1 through CB-10), one from the fill material layer and one from the native, undisturbed soil layer. Soil samples collected from borings CB-1 through CB-4 were submitted for laboratory analyses. The remaining soil samples collected (CB-5 through CB-10) were used for soil characterization purposes only. Each soil sample collected for laboratory analysis was stored in a cooler with ice. Soil samples CB-1 through CB-4 were delivered under a chain-of-custody to Spectrum Analytical, Inc. of Agawam, Massachusetts.

Based on visual observations, there is approximately seven to fifteen feet of fill material at the subject property, followed by undisturbed native soils. The fill material generally consisted of sand and silt with brick, rocks/pebbles, wood/wood ash, coal, brick, glass, and organics. The fill layer was followed by native, undisturbed soil, which consisted mainly of fine to coarse sand and silt. It should be noted that a concrete slab was encountered on the south/southwestern portion of the subject property at approximately 8' bgs. It should also be noted that a strong, unidentified (mothball-like) odor was detected in soil borings CB-1, CB-3, CB-6, and CB-7.

Soil borings CB-1 through CB-4 were completed as two-inch monitoring wells CMW-1 through CMW-4, respectively. Monitoring wells CMW-1 and CMW-3 were set at approximately 15' bgs, with 10' screens. Due to bedrock refusal, monitoring well CMW-2 was set at approximately 14' bgs with a 10' screen and monitoring well CMW-4 was set at approximately 11.5' bgs with an 8' screen. The space surrounding the screened interval was filled with medium grained silica sand. The annular space above the filter pack was sealed with a layer of bentonite chips, followed by the placement of bentonite grout. The riser pipes were fitted with a water-tight locking plug. Well construction was completed by the installation of a flush mount protective casing, concreted into place. The soil sample descriptions, field screening results, groundwater levels, and well construction details were recorded in soil boring logs, which are included as Appendix E.

The following table describes the location of the soil borings/groundwater monitoring wells and soil/groundwater sampling plan:

Sample ID	Location	Soil Sampling Parameters (Fill)	Soil Sampling Parameters (Native)	Groundwater Sampling Parameters
CB-1/CMW-1	Northwestern Corner	EPH w/ Target PAHs, VPH, VOCs, PCBs, RCRA 8 Metals, Total Lead, SVOCs Depth 5-7' bgs	EPH w/ Target PAHs, VPH, RCRA 8 Metals, Total Lead Depth: 13-15' bgs	EPH w/ Target PAHs, VPH, VOCs, SVOCs, RCRA 8 Metals



Sample ID	Location	Soil Sampling Parameters (Fill)	Soil Sampling Parameters (Native)	Groundwater Sampling Parameters
CB-2/CMW-2	Southwestern Corner	EPH w/ Target PAHs, VPH, VOCs, PCBs, RCRA 8 Metals, Total Lead, SVOCs <b>Depth: 5-7' bgs</b>	EPH w/ Target PAHs, VPH, Total Lead <b>Depth: 9-11' bgs</b>	EPH w/ Target PAHs, VPH, VOCs
CB-3/CMW-3	Central Portion (eastern)	EPH w/ Target PAHs, VPH, VOCs, PCBs, RCRA 8 Metals, Total Lead <b>Depth: 0-2' bgs</b>	EPH w/ Target PAHs, VPH, Total Lead <b>Depth: 13-15' bgs</b>	EPH w/ Target PAHs, VPH, VOCs, RCRA 8 Metals
CB-4/CMW-4	Southeastern Corner	EPH w/ Target PAHs, VPH, VOCs, PCBs, RCRA 8 Metals, Total Lead, SVOCs <b>Depth: 5-7' bgs</b>	EPH w/ Target PAHs, VPH, Total Lead <b>Depth: 9-11' bgs</b>	EPH w/ Target PAHs, VPH, VOCs
CB-5	Northeastern Corner	N/A	N/A	N/A
CB-6	Northern/Central Portion	N/A	N/A	N/A
CB-7	Central Portion (western)	N/A	N/A	N/A
CB-8	Central/Western Portion	N/A	N/A	N/A
CB-9	Southeastern/Central Portion	N/A	N/A	N/A
CB-10	Southern/Central Portion	N/A	N/A	N/A

EPH = Extractable Petroleum Hydrocarbons  
 PAH = Polycyclic Aromatic Hydrocarbons  
 VPH = Volatile Petroleum Hydrocarbons  
 VOC = Volatile Organic Compounds via the EPA 8260 Method  
 SVOC = Semivolatile Organic Compounds  
 RCRA 8 Metals = Resource Conservation and Recovery Act Metals  
 PCB = Polychlorinated Biphenyls  
 N/A = Not Applicable

Appropriate decontamination procedures were followed during sample collection and proper chain of custody procedures were employed.

Soil contaminants reported in the laboratory analytical data were compared to the Massachusetts S-2/GW-2/3, and S-3/GW-2/3 standards. Elevated levels, which exceeded all of the applied Massachusetts standards, of the following contaminants were detected in soil:



- In CB-1 (5-7'), benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene
- In CB-2 (5-7'), naphthalene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene
- In CB-3 (0-2'), benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene

Additionally, the following contaminants were detected in soil at concentrations that exceeded the Massachusetts standards, as follows:

- In CB-2 (5-7'), chrysene at 30 parts per million (ppm) and benzo(k)fluoranthene at 23 ppm, each of which exceeds the S-2/GW-2/3 standard of 10 ppm
- In CB-3 (0-2'), Phenanthrene at 120 ppm, which exceeds the S-2/GW-3 and S-3/GW-3 standard of 100 ppm, and benzo(k)fluoranthene at 30 ppm, which exceeds the S-2/GW-2/3 standard of 10 ppm

Trace levels, which do not exceed any of the applied standards, of the following analytes were detected in the soil borings sampled: acenaphthene (CB-2 5-7', CB-3 0-2'), anthracene (CB-1 5-7', CB-2 5-7', CB-3 0-2'), C<sub>19</sub>-C<sub>36</sub> aliphatic hydrocarbons (CB-1 5-7' and 13-15', CB-2 5-7', CB-3 0-2'), C<sub>11</sub>-C<sub>22</sub> aromatic hydrocarbons (CB-1 5-7' and 13-15', CB-2 5-7', CB-3 0-2'), barium (CB-1 5-7' and 13-15', CB-2 5-7', CB-3 0-2', CB-4 5-7'), benzo(k)fluoranthene (CB-1 5-7'), benzo(g,h,i)perylene (CB-1 5-7', CB-2 5-7', CB-3 0-2'), bis(2-ethylhexyl)phthalate (CB-4 5-7'), cadmium (CB-2 5-7', CB-3 0-2'), chromium (CB-1 5-7' and 13-15', CB-2 5-7', CB-3 0-2', CB-4 5-7'), chrysene (CB-1 5-7'), fluoranthene (CB-1 5-7', CB-2 5-7' and 9-11', CB-3 0-2' and 13-15'), lead (CB-1 5-7', CB-2 5-7' and 9-11', CB-3 0-2'), mercury (CB-2 5-7', CB-3 0-2'), 2-methylnaphthalene (CB-3 0-2'), naphthalene (CB-1 13-15', CB-2 5-7', CB-3 0-2' and 13-15'), phenanthrene (CB-1 5-7', CB-2 5-7', CB-3 13-15'), pyrene (CB-1 5-7', CB-2 5-7' and 9-11', CB-3 0-2'), silver (CB-1 5-7'), trichloroethene (CB-1 5-7' and 13-15'), and m,p-xylene (CB-2 9-11').

Tables summarizing the laboratory analytical results are included under the *Tables* tab. Laboratory analytical results are included as Appendix F.

## 5.10 GROUNDWATER SAMPLING

On April 6, 2005, Clayton collected groundwater samples from the four groundwater monitoring wells installed on December 14 and 15, 2004 (CMW-1 through CMW-4) using a low flow peristaltic pump. Prior to sampling, stable water level readings were obtained using an electronic water level indicator. Portable field instruments were used during purging to measure



temperature, pH, conductivity, and turbidity. The wells were considered purged when these readings stabilized and the water was as reasonably clear. Groundwater at the subject property was measured at approximately 7.84 to 9.15 feet bgs.

One groundwater sample was collected from each of the wells and analyzed for EPH with target PAHs, VPH, and VOCs. Additionally, groundwater from monitoring well CMW-1 was analyzed for SVOCs and RCRA 8 Metals; groundwater from CMW-3 was also analyzed for RCRA 8 Metals, as previously described in Section 5.9 of this report.

Each groundwater sample collected was placed into an appropriate laboratory provided container and stored in a cooler with ice. The groundwater samples were then delivered under a chain-of-custody to Spectrum Analytical, Inc. of Agawam, Massachusetts. Appropriate decontamination procedures were followed during sample collection and proper chain of custody procedures were employed.

Groundwater contaminants reported in the laboratory analytical data were compared to the Massachusetts GW-2, GW-3, S-2/GW-2/3, and S-3/GW-2/3 standards. According to the laboratory analytical report, samples did not contain analytes at concentrations above the applied standards.

Trace levels, which do not exceed any of the applied standards, of the following parameters were detected in the monitoring wells sampled: acenaphthene (CMW-2, CMW-3), C<sub>9</sub>-C<sub>18</sub> aliphatic hydrocarbons (CMW-3), C<sub>11</sub>-C<sub>22</sub> aromatic hydrocarbons (CMW-1, CMW-3), barium (CMW-1, CMW-3), fluorene (CMW-2, CMW-3), lead (CMW-1, CMW-3), 2-methylnaphthalene (CMW-3), naphthalene (CMW-2, CMW-3), and phenanthrene (CMW-2, CMW-3).

Tables summarizing the laboratory analytical results are included under the *Tables* tab. Laboratory analytical results are included as Appendix F.

## **5.11 TEST PIT INVESTIGATION**

In October 2005, Clayton performed test pit excavations to perform a visual the presence of fill material onsite. A total of seven (7) test pits were advanced using a backhoe and operator provided by the City of New Bedford. The test pit location and depth of excavation was performed under the direction of Clayton field consultant Joel Curatolo. The visual observations and test pit results indicated the presence of building debris and remnants of the facility fire. The measurable depth of the debris extended to 8-feet below the ground surface, refusal or the reachable excavation depth of the backhoe, whichever was encountered first. Volatile organic vapor readings were also collected from the excavated material for field screening. The PID readings ranged from .2 to 204 PPM for total volatile organics. A coal tar odor was detected during the investigation is consistent with the field readings and laboratory test results of soil samples collected in December 2004 and April 2005.



TP-6 was concluded at the top of a steel plate covering a large void space. The dimensions of the void space could not be determined within the scope of the limited investigation due to equipment limitations and safety.

The table presented below details the material and depths observed.

Sample ID	Location	Depth	Material Description	PID Reading (units PPM) @ Depth Tested
TP-1	15' West of Sidewalk and ~10' south of Fence at asphalt parking area	Surface	Sandy soil with weeds, bricks and concrete debris	0.7 @ 1.5'
		0-1.5'	Brown sandy soil with stones, bricks, concrete debris. Wall segment encountered <1' below surface. Unable to penetrate below 1.5'	
TP-2	45' West of Sidewalk and ~85' south of asphalt parking area	Surface	Sandy soil with weeds, bricks and concrete debris	0.3 @ 1' 0.2 @ 3' 2.0 @ 5.5'
		0-3'	Brown sandy soil with, brick debris.	
		3-5.5'	Large Stones and pipe debris in sandy gray/brown soil, paving cobbles. Unable to penetrate below 5.5' Slight Odor, coal tar	
TP-3	45' West of Sidewalk and ~55' north of the property/fence line	Surface	Brown sandy soil with plant cover. Msc. brick, and other debris <10% on surface	0.4 @ 2.5' 0.2 @ 4'
		0-4'	Mixed tan and gray sandy soil with rare pipe debris(2.5' depth). Slight Odor, coal tar	
		4'-6'	Native soil, light brown unsorted sand. Pit stopped at 6' Slight Odor, coal tar	
TP-4	8' south of concrete paving and ~120' east of the concrete wall adjacent to the railroad tracks (at former north wall	Surface	Sandy soil with minimal plant cover. Brick and metal debris ~40% on surface	69 @ 4'
		0-3'	Concrete and asphalt pavement chunks	



Sample ID	Location	Depth	Material Description	PID Reading (units PPM) @ Depth Tested
		3'-5'	with rebar, sheet metal, metal pipe, cloth, and pieces of brick walls. Light gray sandy soil. Slight Odor, coal tar	121@5'
		5'-8'	Medium gray sandy soil, coal, brick debris and rebar as above, chips of blue plastic. Slight Odor, coal tar	
		8'-10'	Steel beam, wood and flashing debris, brick, concrete, and minor amounts of charred wood.	
		8'-10'	Somewhat similar to the above layer however collapsing sides of pit made observations uncertain. Pit stopped at 10'	
TP-5	60' south of concrete paving and ~100' east of the concrete wall adjacent to the railroad tracks	Surface-2'	Brown sandy soil with ~60% brick and masonry debris.	81@3'
		2-5'	Chunks of concrete 2' x 2' x 6" brick fragments, rebar common, coal tar like odor, and some soil as above. Slight Odor, coal tar	
		5'-8'	Debris as above plus; Pyrobar fragments, metal gratings sheet metal, clay tile copper fragments, blue plastic fragments. Pit stopped at concrete slab at 8' Slight Odor, coal tar	
TP-6	4' north of south protruding north wall and ~55' east of the concrete wall adjacent to the railroad tracks	Surface	Loose bricks and concrete debris.	134@2'
		0-4'	Bricks (~30%) and concrete debris in brown sandy soil with clay tile debris Slight odor burnt wood.	
		4'	Debris as above plus; 2' x 3' x 6" concrete slab with connecting rebar, minor wood debris and the odor of charred wood	



Sample ID	Location	Depth	Material Description	PID Reading (units PPM) @ Depth Tested
		~4-6'	Steel plate covering void space beneath Pit stopped at 6' Slight odor burnt wood.	90@5'
TP-7	70' south of concrete pavement and ~25' east of the concrete wall adjacent to the railroad tracks	Surface	Loose bricks and coarse concrete debris 4"-6" in size.	
		0-3'	Bricks and concrete debris (6"-1' in size~50% of fill) in brown sandy soil with common rebar. Slight odor burnt wood.	166@3'
		3-6'	Charred wood and ash, copper sheet, dark brown sandy soil. Odor of charred wood. Slight odor burnt wood.	204@6'
		6-8'	Gray -black soil, clear and black plastic sheet clay tile debris, sheet metal, Charred wood and ash, tire, concrete chunks. Pit stopped at 8' Slight odor burnt wood.	192@8'

## 6.0 NON-ASTM ISSUES

### 6.1 RADON

Radon is a naturally occurring radioactive gas formed by the decay of uranium in bedrock and soil. The potential adverse health effects associated with radon gas depend on various factors, such as the concentration of the gas and duration of exposure. The concentration of radon gas in a building depends on subsurface soil conditions, the integrity of the building's foundation, and the building's ventilation system.

The potential for elevated radon concentrations was evaluated for the subject property vicinity, through a review of the United States Environmental Protection Agency (USEPA) Map of Radon Zones and the EDR report.

Bristol County is located in Zone 2, according to the USEPA Map of Radon Zones and the EDR report. Zone 2 has predicted average screening concentrations ranging from 2.0 picoCuries of radon per liter of air (pCi/L) to 4.0 pCi/L. The USEPA action level is 4.0 pCi/L.



According to the Federal Area Radon Information provided in the EDR report, of the 2 sites tested in Bristol County, of the basements tested, 100% of the sites had radon concentrations of less than 4.0 pCi/L. The average concentration detected in the basements was reported as 1.500 pCi/L.

No further investigation of radon is recommended since the subject property is not in a high radon area, there are no buildings present on the subject property, and there are no subgrade areas that are routinely occupied.

## **6.2 SENSITIVE ECOLOGICAL AREAS**

The subject property was inspected for the presence of sensitive ecological areas by noting environmental indicators (e.g., wetlands vegetation, floodplains) located on or immediately adjoining the subject property.

No sensitive ecological areas were observed on the subject property. The USGS 15-Minute Topographic Map of New Bedford, Massachusetts (southwest corner), dated 1885, the USGS 7.5 Minute Topographic Maps of New Bedford South, Massachusetts (northeast corner), dated 1936, revised 1949, and the USGS 7.5 Topographic Map of New Bedford North, dated 1979, which includes the subject and adjoining properties, does not depict delineated wetlands located on the subject or adjoining properties. A United States Fish and Wildlife Service (USFWS) National Wetland Map was not available for review.

The FEMA Flood Insurance Rate Map was reviewed to determine if the subject property was located in a flood hazard area. The subject and adjoining properties are located in Zone C, an area of minimal flooding (Panel No. 255216 0009 B, dated January 5, 1984).

## **7.0 FINDINGS, OPINIONS, CONCLUSIONS, AND RECOMMENDATIONS**

We have performed a Phase I Environmental Site Assessment and Limited Subsurface Investigation in conformance with the guidelines of ASTM Practice E-1527 of the vacant lot, located at 29 Brook Street, in New Bedford, Massachusetts, the subject property. Any exceptions to or deletions from this practice are described in Sections 1.2 and 1.3.

The subject property is a vacant lot, located on 0.792 acres of land in an industrial setting. The planned future use for subject property is for unspecified industrial use.

The historical research presented in this report has established the use of the subject property since 1889; however, Clayton researched as far back as 1865. According to the records reviewed, the former Dawson's Brewery occupied the northern portion of the subject property, extending in a north-northwesterly direction. The southern portion of the subject property was a vacant area, owned by the brewery. Dawson's Brewery was in operation from approximately 1889 to approximately 1975, resuming operations for a brief period until its final closure in



1977. Due to alcohol prohibition, from approximately 1920 to 1933, the brewery operated as an ice plant. Historical city directories for the years 1931, 1932, and 1936 also noted that a Pacific Coast Coal Company, Inc. was in operation at 29 Brook Street. Mann's Transportation was listed at 29 Brook Street, along with Dawson's Brewery, in the historical city directories reviewed from approximately 1937 to approximately 1952. Mann's Transportation was researched at the City of New Bedford Fire Department, and, according to fire department records reviewed, it appears that Mann's Transportation was located on the north adjoining property and was presumably utilized by Dawson's Brewery to ship goods for sale offsite. According to a *Standard Times* newspaper article, dated circa 1979, an auto body shop was housed at the former Dawson's Brewery site. From approximately 1975 to approximately 1979, the former brewery was rented for storage space, which included tire storage, by various businesses and individuals. A fire destroyed a significant portion of the former brewery in 1979. It is Clayton's assumption that the remaining portions of the former brewery building were utilized for storage prior to its demolition in 2000. From approximately 2000 until the present, the subject property has been an inoperative vacant lot.

This assessment has revealed the following *recognized environmental conditions*, as defined by ASTM, in connection with the subject property:

- A limited subsurface investigation, which consisted of the advancement of ten soil borings, four of which were completed as groundwater monitoring wells, was conducted by Clayton in December 2004 and April 2005. Soil contaminants reported in the laboratory analytical data were compared to the Massachusetts S-2/GW-2/3, and S-3/GW-2/3 standards. Elevated levels, which exceeded all of the applied Massachusetts standards, of the following contaminants were detected in soil:
  - In CB-1 (5-7'), benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene
  - In CB-2 (5-7'), naphthalene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene
  - In CB-3 (0-2'), benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene

Additionally, the following contaminants were detected in soil at concentrations that exceeded the Massachusetts standards, as follows:

- In CB-2 (5-7'), chrysene at 30 parts per million (ppm) and benzo(k)fluoranthene at 23 ppm, each of which exceeds the S-2/GW-2/3 standard of 10 ppm



- In CB-3 (0-2'), Phenanthrene at 120 ppm, which exceeds the S-2/GW-3 and S-3/GW-3 standard of 100 ppm, and benzo(k)fluoranthene at 30 ppm, which exceeds the S-2/GW-2/3 standard of 10 ppm
- Information obtained from the City of New Bedford Department of Environmental Stewardship indicated that the subject property formerly maintained two 15,000-gallon USTs, used to store No. 6 fuel oil, and one 275-gallon UST, used to store No. 2 fuel oil. According to the City of New Bedford Fire Department records reviewed, the two 15,000-gallon USTs were installed at the subject property on July 14, 1949 and removed on November 2, 2000. There were no records regarding the removal of the 275-gallon UST. However, a letter dated May 10, 1977 indicated the 275-gallon UST was emptied and that its contents were purged.

The following environmental conditions, which are not considered to be *recognized environmental conditions*, as defined by ASTM, were revealed during this assessment:

- Hazardous waste manifests from the year 2000 were obtained from the City of New Bedford Department of Environmental Stewardship, indicating that hazardous materials were historically utilized and stored at the subject property. It should be noted that the plant was closed in 1977, indicating that these hazardous materials were removed while the former brewery was not in operation. Therefore, these hazardous waste manifests are mostly likely in accordance with the final demolition of the former brewery building. A Fire Investigation Report, dated April 28, 1979, regarding a suspicious fire in the laboratory, located on the third floor in the northern portion of the building, was on file with the City of New Bedford Fire Department. This building was formerly located on the subject property, and was associated with the former Dawson's Brewery. The report noted that there was a large quantity of toxic corrosives, presumably associated with disinfection processes, that should be moved. The list of corrosives observed included liquid methyl bromide, phosphoric acid, and hydrochloric acid. In addition, a letter to the Fire Department, dated May 10, 1977, indicated that there were previously two 2,000-pound ASTs used to store ammonia. The letter indicated that due to the closing of the plant, the ASTs had been emptied and their contents purged. There was no indication of leaks or spills associated with ASTs.
- According to a Sanborn fire insurance map reviewed, presumably dated circa 1940, a truck garage and an area utilized for the storage of truck trailers, was located on the north adjoining property. Mann's Transportation was listed at 29 Brook Street, along with Dawson's Brewery, in the historical city directories reviewed from approximately 1937 to approximately 1952. Mann's Transportation was researched at the City of New Bedford Fire Department, and, according to fire department records reviewed, it appears that Mann's Transportation was located on the north adjoining property and was presumably utilized by Dawson's Brewery to ship goods for sale offsite. A *Standard Times* newspaper article, dated circa 1979, also indicated that an auto body shop was housed at the former Dawson's Brewery site.



- According to historical city directories reviewed, the subject property was identified as Pacific Coast Coal Company, Inc. in the 1931, 1932, and 1936 city directories. Clayton was unable to obtain any information regarding this company; however, Clayton obtained a *Standard Times* newspaper article, which indicated that the brewery was forced to make ice during alcohol prohibition, which occurred from approximately 1920 to approximately 1933. In accordance with the historical city directories, it is possible that the subject property was also utilized as a coal facility during alcohol prohibition.
- Two dry cleaning facilities, identified as New England & Dyers and Imperial Cleaners & Dyers, were observed to the far north of the subject property in the Sanborn map dated circa 1940. No additional information regarding hazardous material use (specifically chlorinated solvents) at these facilities was obtained by Clayton. Based on laboratory analytical results, it does not appear that these sites have impacted the subject property.

Clayton recommends that the City of New Bedford contract a Licensed Site Professional (LSP) to evaluate if the contaminants detected in soil may be attributed to historic fill material. In addition, Clayton recommends that a ground penetrating radar (GPR) survey be conducted at the subject property to investigate if the 275-gallon UST is still in place.

FIGURES



**BUREAU  
VERITAS**

## **FIGURES**



**NOTES:**

1. Taken from New Bedford, MA, USGS  
7.5 Minute Quadrangle, 1979
2. Scale = 1:24,000 feet

**SITE LOCATION MAP**

29 Brook Street  
New Bedford, Massachusetts  
Clayton Project No. 41-04087.00

Figure

1



**BUREAU  
VERITAS**



PHOTOGRAPHS



**BUREAU  
VERITAS**

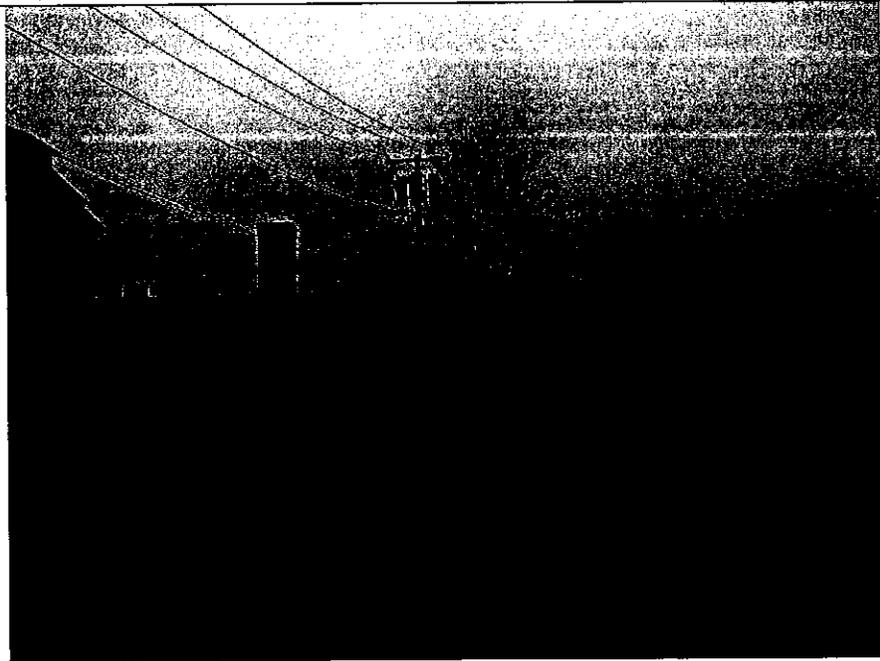
## **PHOTOGRAPHS**



**BUREAU  
VERITAS**



<b>Clayton Project No.</b> 41-04087.00	<b>Description</b>	View of the south adjoining property, Seaside Towing and Caltex Corporation.	<b>5</b>
	<b>Site Name</b>	Vacant Lot, 29 Brook Street, New Bedford, Massachusetts	<b>Photo Date</b> 03/31/04
	<b>Client</b>	City of New Bedford	



<b>Clayton Project No.</b> 41-04087.00	<b>Description</b>	View looking south down Brook Street, including the three, unlabeled, pole-mounted transformers located on the southeastern boundary of the subject property. A large mill building, occupied by the New Bedford Storage Warehouse, is also depicted, across Sawyer Street.	<b>6</b>
	<b>Site Name</b>	Vacant Lot, 29 Brook Street, New Bedford, Massachusetts	<b>Photo Date</b> 03/31/04
	<b>Client</b>	City of New Bedford	

TABLES



**BUREAU  
VERITAS**

## TABLES

TABLE 1: SUMMARY OF SOIL ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	Method 1	Method 1	Method 1	CB-1 (5-7')	CB-1 (13-15')	CB-2 (5-7')	CB-2 (9-11')	CB-3 (0-2')	CB-3 (13-15')	CB-4 (5-7')	CB-4 (9-11')
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	12/15/04	12/15/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04

VOLATILE ORGANIC COMPOUNDS (VOCs) mg/kg

Benzene	60	60	100	200	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Bromobenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Bromochloromethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Bromodichloromethane	20	20	90	90	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Bromoform	20	200	20	700	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Bromomethane	3	200	3	700	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
n-Butylbenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
sec-Butylbenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
tert-Butylbenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Carbon-tetrachloride	4	10	4	40	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Chlorobenzene	80	40	80	40	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Chloroethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Chloroform	10	200	10	300	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Chloromethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
2-Chlorotoluene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
4-Chlorotoluene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Dibromochloromethane	20	20	70	70	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2-Dibromo-3-chloropropane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2-Dibromomethane (EDB)					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Dibromomethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2-Dichlorobenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,3-Dichlorobenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,4-Dichlorobenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Dichlorodifluoromethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,1-Dichloroethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2-Dichloroethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,1-Dichloroethene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
cis-1,2-Dichloroethene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
trans-1,2-Dichloroethene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2 Dichloropropane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,3-Dichloropropane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
2,2-Dichloropropane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,1-Dichloropropene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Ethylbenzene	1000	500	2500	500	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Hexachlorobutadiene	3	10	3	40	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
2-Hexanone					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Isopropylbenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
p-Isopropyltoluene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Methylene chloride	200	200	700	700	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A

TABLE 1: SUMMARY OF SOIL ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	Method 1	Method 1	Method 1	CB-1 (5-7')	CB-1 (13-15')	CB-2 (5-7')	CB-2 (9-11')	CB-3 (0-2')	CB-3 (13-15')	CB-4 (5-7')	CB-4 (9-11')
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	12/15/04	12/15/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04
Napthalene	1000	1000	1000	1000	0.3	BDL	1.4	N/A	5.6	N/A	BDL	N/A
n-Propylbenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Styrene	20	30	20	100	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,1,1,2-Tetrachloroethane	0.5	5	0.5	20	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,1,2,2-Tetrachloroethane	0.2	0.6	0.2	2	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Tetrachloroethene					6.7	46	BDL	N/A	BDL	N/A	BDL	N/A
Toluene	500	1000	500	2500	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2,3-Trichlorobenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2,4-Trichlorobenzene	2000	800	2000	800	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,1,1-Trichloroethane	500	500	500	500	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,1,2-Trichloroethane	3	3	10	10	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Trichloroethene					5.6	26	BDL	N/A	BDL	N/A	BDL	N/A
Trichlorofluoromethane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2,3-Trichloropropane					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,2,4-Trimethylbenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
1,3,5-Trimethylbenzene					BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Vinyl chloride	0.4	0.5	0.4	2	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
o-Xylene	500	1000	500	2500	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
m,p-Xylene	500	1000	500	2500	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A

TABLE 1: SUMMARY OF SOIL ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	Method 1	Method 1	Method 1	CB-1 (5-7')	CB-1 (13-15')	CB-2 (5-7')	CB-2 (9-11')	CB-3 (0-2')	CB-3 (13-15')	CB-4 (5-7')	CB-4 (9-11')
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	12/15/04	12/15/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04

**POLYCHLORINATED BIPHENYLS (PCBs) mg/kg**

Arochlor 1016	2	2	2	2	BDL	N/A	BDL	N/A	BDL	N/A	BDL	N/A
Arochlor 1221	2	2	2	2	BDL	N/A	BDL	N/A	BDL	N/A	BDL	N/A
Arochlor 1232	2	2	2	2	BDL	N/A	BDL	N/A	BDL	N/A	BDL	N/A
Arochlor 1242	2	2	2	2	BDL	N/A	BDL	N/A	BDL	N/A	BDL	N/A
Arochlor 1248	2	2	2	2	BDL	N/A	BDL	N/A	BDL	N/A	BDL	N/A
Arochlor 1254	2	2	2	2	BDL	N/A	BDL	N/A	BDL	N/A	BDL	N/A
Arochlor 1260	2	2	2	2	BDL	N/A	BDL	N/A	BDL	N/A	BDL	N/A

**SOLUBLE METALS mg/kg**

Arsenic	30	30	30	30	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Barium	2500	2500	5000	5000	75	18	94	N/A	140	N/A	9.8	N/A
Cadmium	80	80	80	80	BDL	BDL	0.45	N/A	0.36	N/A	BDL	N/A
Chromium	2500	2500	5000	5000	7.2	6.0	14	N/A	14	N/A	3.1	N/A
Lead	600	600	600	600	110	BDL	96	12	110	BDL	BDL	N/A
Mercury	60	60	60	60	BDL	BDL	3.8	N/A	0.92	N/A	BDL	N/A
Selenium	2500	2500	2500	2500	BDL	BDL	BDL	N/A	BDL	N/A	BDL	N/A
Silver	200	200	200	200	1.2	BDL	BDL	N/A	BDL	N/A	BDL	N/A

TABLE 1: SUMMARY OF SOIL ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	Method 1	Method 1	Method 1	CB-1 (5-7')	CB-1 (13-15')	CB-2 (5-7')	CB-2 (9-11')	CB-3 (0-2')	CB-3 (13-15')	CB-4 (5-7')	CB-4 (9-11')
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	12/15/04	12/15/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04

SEMIVOLATILE ORGANIC COMPOUNDS mg/kg												
Acenaphthene	2500	2500	5000	4000	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Acenaphthylene	2500	1000	2500	1000	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Anthracene	2500	2500	5000	5000	2	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Benzidine					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Benzo(a)anthracene	1	1	4	4	6	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Benzo(b)fluoranthene	1	1	4	4	6	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Benzo(k)fluoranthene	10	10	40	40	4	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Benzo(g,h,i)perylene	2500	2500	2500	2500	2	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Benzo(a)pyrene	0.7	0.7	0.7	0.7	6	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Bis(2-chloroethyl)ether	0.7	0.7	0.7	0.7	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Bis(2-Chloroethoxy)methane					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
bis(2-chloroisopropyl)ether	3	3	4	9	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Bis(2-ethylhexyl)phthalate	300	300	1000	500	BDL	N/A	N/A	N/A	N/A	N/A	1.1	N/A
4-Bromophenyl phenyl ether					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Butylbenzene phthalate					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2-Chloronaphthalene					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
4-Chlorophenyl phenyl ether					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Chrysene	10	10	40	40	6	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Dibenzo(a,h)anthracene	0.7	0.7	0.8	0.8	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Di-n-butyl phthalate					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
1,2-Dichlorobenzene	500	500	500	500	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
1,3-Dichlorobenzene	500	500	500	500	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
1,4-Dichlorobenzene	60	60	200	200	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
3,3'-Dichlorobenzidine					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Diethyl phthalate	2500	0.7	5000	0.7	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Dimethyl phthalate	2500	0.7	5000	0.7	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2,4-Dinitrotoluene	2	2	7	7	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2,6-Dinitrotoluene					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Di-n-octyl phthalate					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
1,2-Diphenylhydrazine					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Fluoroanthene	2000	1000	5000	1000	13	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Fluoroene	2000	2000	5000	4000	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Hexachlorobenzene	0.8	0.8	3	3	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Hexachlorobutadine	3	10	3	40	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Hexachlorocyclopentadiene					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Hexachloroethane	10	10	30	50	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Indeno(1,2,3-cd)pyrene	1	1	4	4	2	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Isophorone					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Napthalene	1000	1000	1000	1000	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A

TABLE 1: SUMMARY OF SOIL ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	Method 1	Method 1	Method 1	CB-1 (5-7')	CB-1 (13-15')	CB-2 (5-7')	CB-2 (9-11')	CB-3 (0-2')	CB-3 (13-15')	CB-4 (5-7')	CB-4 (9-11')
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	12/15/04	12/15/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04
Nitrobenzene					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
N-nitrodimethylamine					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
N-nitrodiphenylamine					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
N-nitrosodi-n-propylamine					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Phenanthrene	2500	100	2500	100	10	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Pyrene	2000	2000	5000	5000	12	N/A	N/A	N/A	N/A	N/A	BDL	N/A
1,2,4-Trichlorobenzene	2000	800	2000	800	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
4-Chloro- 3-methylphenol					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2-Chlorophenol	200	20	1000	20	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2,4-Dichlorophenol	90	90	90	90	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2,4-Dimethylphenol	900	10	4000	10	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2-Methyl-4,6-dinitriphenol					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2,4-Dinitrophenol	90	6	90	6	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2-Nitrophenol					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
4-Nitrophenol					BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Pentachlorophenol	10	10	40	40	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
Phenol	800	500	800	500	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A
2,4,6-Trichlorophenol	60	60	200	200	BDL	N/A	N/A	N/A	N/A	N/A	BDL	N/A

BDL = Below Laboratory Method Detection Limit

N/A = Not Applicable, groundwater was not analyzed for corresponding parameter

mg/kg = Measured in Parts Per Million (ppm)

RED = Analytes above all applied detection limits

BLUE = Analytes above some, but not all, applied detection limits

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	CMW-1	CMW-2	CMW-3	CMW-4					
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	GW-2	GW-3	04/06/05	04/06/05	04/06/05	04/06/05

COMPONENT

EXTRACTABLE PETROLUUM HYDROCARONS (EPHs) mg/kg  
WITH TARGET POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) mg/kg

C9-C18 Aliphatic Hydrocarbons	2500	2500	5000	5000	1	20	BDL	BDL	0.028	BDL
C19-C36 Aromatic Hydrocarbons	5000	5000	5000	5000	N/A	20	BDL	BDL	BDL	BDL
C11-C22 Aromatic Hydrocarbons	2000	2000	5000	5000	50	30	0.16	0.025	0.094	BDL
Napthalene	1000	1000	1000	1000	6	6	BDL	0.003	0.027	BDL
2-Methylnapthalene	1000	1000	2000	1000	10	3	BDL	BDL	0.003	BDL
Acenaphthylene	2500	1000	2500	1000	N/A	3	BDL	BDL	BDL	BDL
Acenaphthene	2500	2500	5000	4000	N/A	5	BDL	0.003	0.003	BDL
Fluorene	2000	2000	5000	4000	N/A	3	BDL	0.002	0.003	BDL
Phenanthrene	2500	100	2500	100	N/A	0.05	BDL	0.005	0.005	BDL
Anthracene	2500	2500	5000	5000	N/A	3	BDL	BDL	BDL	BDL
Fluoranthene	2000	1000	5000	1000	N/A	0.2	BDL	BDL	BDL	BDL
Pyrene	2000	2000	5000	5000	N/A	3	BDL	BDL	BDL	BDL
Benzo(a)anthracene	1	1	4	4	N/A	3	BDL	BDL	BDL	BDL
Chrysene	10	10	40	40	N/A	3	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	1	1	4	4	N/A	3	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	10	10	40	40	N/A	3	BDL	BDL	BDL	BDL
Benzo(a)pyrene	0.7	0.7	0.7	0.7	N/A	3	BDL	BDL	BDL	BDL
Indeno(1,2,3-cd)pyrene	1	1	4	4	N/A	3	BDL	BDL	BDL	BDL
Dibenzo(a,h)anthracene	0.7	0.7	0.8	0.8	N/A	3	BDL	BDL	BDL	BDL
Benzo(g,h,i)perylene	2500	2500	2500	2500	N/A	3	BDL	BDL	BDL	BDL

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	CMW-1	CMW-2	CMW-3	CMW-4					
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	GW-2	GW-3	04/06/05	04/06/05	04/06/05	04/06/05

VPH ALIPHATIC/AROMATIC CARBON RANGE mg/kg

Methyl tert-butyl ether	200	200	200	200	50	50	BDL	BDL	BDL	BDL
Benzene	60	60	100	200	2	7	BDL	BDL	BDL	BDL
Toluene	500	1000	500	2500	6	50	BDL	BDL	BDL	BDL
Ethylbenzene	1000	500	2500	500	30	4	BDL	BDL	BDL	BDL
m,p Xylene	500	1000	500	2500	6	50	BDL	BDL	BDL	BDL
o-Xylene	500	1000	500	2500	6	50	BDL	BDL	BDL	BDL
Napthalene	1000	1000	1000	1000	6	6	BDL	BDL	0.042	BDL

VOLATILE ORGANIC COMPOUNDS (VOCs) mg/kg

Benzene	60	60	100	200	2	7	BDL	BDL	BDL	BDL
Bromobenzene							BDL	BDL	BDL	BDL
Bromochloromethane							BDL	BDL	BDL	BDL
Bromodichloromethane	20	20	90	90	N/A	50	BDL	BDL	BDL	BDL
Bromoform	20	200	20	700	0.8	50	BDL	BDL	BDL	BDL
Bromomethane	3	200	3	700	0.002	50	BDL	BDL	BDL	BDL
n-Butylbenzene							BDL	BDL	BDL	BDL
sec-Butylbenzene							BDL	BDL	BDL	BDL
tert-Butylbenzene							BDL	BDL	BDL	BDL
Carbon-tetrachloride	4	10	4	40	0.02	50	BDL	BDL	BDL	BDL
Chlorobenzene	80	40	80	40	1	0.5	BDL	BDL	BDL	BDL
Chloroethane							BDL	BDL	BDL	BDL
Chloroform	10	200	10	300	0.4	10	BDL	BDL	BDL	BDL
Chloromethane							BDL	BDL	BDL	BDL
2-Chlorotoluene							BDL	BDL	BDL	BDL
4-Chlorotoluene							BDL	BDL	BDL	BDL
Dibromochloromethane	20	20	70	70	N/A	50	BDL	BDL	BDL	BDL
1,2-Dibromo-3-chloropropane							BDL	BDL	BDL	BDL
1,2-Dibromomethane (EDB)							BDL	BDL	BDL	BDL
Dibromomethane							BDL	BDL	BDL	BDL
1,2-Dichlorobenzene							BDL	BDL	BDL	BDL
1,3-Dichlorobenzene							BDL	BDL	BDL	BDL
1,4-Dichlorobenzene							BDL	BDL	BDL	BDL
Dichlorodifluoromethane							BDL	BDL	BDL	BDL
1,1-Dichloroethane							BDL	BDL	BDL	BDL
1,2-Dichloroethane							BDL	BDL	BDL	BDL
1,1-Dichloroethene							BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene							BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene							BDL	BDL	BDL	BDL

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	CMW-1	CMW-2	CMW-3	CMW-4					
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	GW-2	GW-3	04/06/05	04/06/05	04/06/05	04/06/05
1,2-Dichloropropane							BDL	BDL	BDL	BDL
1,3-Dichloropropane							BDL	BDL	BDL	BDL
2,2-Dichloropropane							BDL	BDL	BDL	BDL
1,1-Dichloropropene							BDL	BDL	BDL	BDL
Ethylbenzene	1000	500	2500	500	30	4	BDL	BDL	BDL	BDL
Hexachlorobutadiene	3	10	3	40	0.001	0.09	BDL	BDL	BDL	BDL
2-Hexanone							BDL	BDL	BDL	BDL
Isopropylbenzene							BDL	BDL	BDL	BDL
p-Isopropyltoluene							BDL	BDL	BDL	BDL
Methylene chloride	200	200	700	700	50	50	BDL	BDL	BDL	BDL
Napthalene	1000	1000	1000	1000	6	6	BDL	0.002	0.043	BDL
n-Propylbenzene							BDL	BDL	BDL	BDL
Styrene	20	30	20	100	0.9	50	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.5	5	0.5	20	0.006	50	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.2	0.6	0.2	2	0.02	20	BDL	BDL	BDL	BDL
Tetrachloroethene							BDL	BDL	BDL	BDL
Toluene	500	1000	500	2500	6	50	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene							BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	2000	800	2000	800	10	0.5	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	500	500	500	500	4	50	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	3	3	10	10	20	50	BDL	BDL	BDL	BDL
Trichloroethene							BDL	BDL	BDL	BDL
Trichlorofluoromethane							BDL	BDL	BDL	BDL
1,2,3-Trichloropropane							BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene							BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene							BDL	BDL	BDL	BDL
Vinyl chloride	0.4	0.5	0.4	2	0.002	40	BDL	BDL	BDL	BDL
o-Xylene	500	1000	500	2500	6	50	BDL	BDL	BDL	BDL
m,p-Xylene	500	1000	500	2500	6	50	BDL	BDL	BDL	BDL

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	CMW-1	CMW-2	CMW-3	CMW-4					
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	GW-2	GW-3	04/06/05	04/06/05	04/06/05	04/06/05

**POLYCHLORINATED BIPHENYLS (PCBs) mg/kg**

Arochlor 1016	2	2	2	2	N/A	0.0003	N/A	N/A	N/A	N/A
Arochlor 1221	2	2	2	2	N/A	0.0003	N/A	N/A	N/A	N/A
Arochlor 1232	2	2	2	2	N/A	0.0003	N/A	N/A	N/A	N/A
Arochlor 1242	2	2	2	2	N/A	0.0003	N/A	N/A	N/A	N/A
Arochlor 1248	2	2	2	2	N/A	0.0003	N/A	N/A	N/A	N/A
Arochlor 1254	2	2	2	2	N/A	0.0003	N/A	N/A	N/A	N/A
Arochlor 1260	2	2	2	2	N/A	0.0003	N/A	N/A	N/A	N/A

**SOLUABLE METALS mg/kg**

Arsenic	30	30	30	30	N/A	0.4	BDL	N/A	BDL	N/A
Barium	2500	2500	5000	5000	N/A	30	0.064	N/A	0.011	N/A
Cadmium	80	80	80	80	N/A	0.01	BDL	N/A	BDL	N/A
Chromium	2500	2500	5000	5000	N/A	2	BDL	N/A	BDL	N/A
Lead	600	600	600	600	N/A	0.03	0.029	N/A	0.006	N/A
Mercury	60	60	60	60	N/A	0.001	BDL	N/A	BDL	N/A
Selenium	2500	2500	2500	2500	N/A	0.08	BDL	N/A	BDL	N/A
Silver	200	200	200	200	N/A	0.007	BDL	N/A	BDL	N/A

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	CMW-1	CMW-2	CMW-3	CMW-4					
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	GW-2	GW-3	04/06/05	04/06/05	04/06/05	04/06/05

SEMIVOLATILE ORGANIC COMPOUNDS mg/kg

Acenaphthene	2500	2500	5000	4000	N/A	5	BDL	N/A	N/A	N/A
Acenaphthylene	2500	1000	2500	1000	N/A	3	BDL	N/A	N/A	N/A
Anthracene	2500	2500	5000	5000	N/A	3	BDL	N/A	N/A	N/A
Benzidine							BDL	N/A	N/A	N/A
Benzo(a)anthracene	1	1	4	4	N/A	3	BDL	N/A	N/A	N/A
Benzo(b)fluoranthene	1	1	4	4	N/A	3	BDL	N/A	N/A	N/A
Benzo(k)fluoranthene	10	10	40	40	N/A	3	BDL	N/A	N/A	N/A
Benzo(g,h,i)perylene	2500	2500	2500	2500	N/A	3	BDL	N/A	N/A	N/A
Benzo(a)pyrene	0.7	0.7	0.7	0.7	N/A	3	BDL	N/A	N/A	N/A
Bis(2-chloroethyl)ether	0.7	0.7	0.7	0.7	0.1	50	BDL	N/A	N/A	N/A
Bis(2-Chloroethoxy)methane							BDL	N/A	N/A	N/A
bis(2-chloroisopropyl)ether	3	3	4	9	0.4	50	BDL	N/A	N/A	N/A
Bis(2-ethylhexyl)phthalate	300	300	1000	500	50	0.03	BDL	N/A	N/A	N/A
4-Bromophenyl phenyl ether							BDL	N/A	N/A	N/A
Butylbenzene phthalate							BDL	N/A	N/A	N/A
2-Chloronaphthalene							BDL	N/A	N/A	N/A
4-Chlorophenyl phenyl ether							BDL	N/A	N/A	N/A
Chrysene	10	10	40	40	N/A	3	BDL	N/A	N/A	N/A
Dibenzo(a,h)anthracene	0.7	0.7	0.8	0.8	N/A	3	BDL	N/A	N/A	N/A
Di-n-butyl phthalate							BDL	N/A	N/A	N/A
1,2-Dichlorobenzene	500	500	500	500	10	8	BDL	N/A	N/A	N/A
1,3-Dichlorobenzene	500	500	500	500	10	8	BDL	N/A	N/A	N/A
1,4-Dichlorobenzene	60	60	200	200	30	8	BDL	N/A	N/A	N/A
3,3'-Dichlorobenzidine							BDL	N/A	N/A	N/A
Diethyl phthalate	2500	0.7	5000	0.7	N/A	0.03	BDL	N/A	N/A	N/A
Dimethyl phthalate	2500	0.7	5000	0.7	N/A	0.03	BDL	N/A	N/A	N/A
2,4-Dinitrotoluene	2	2	7	7	N/A	2	BDL	N/A	N/A	N/A
2,6-Dinitrotoluene							BDL	N/A	N/A	N/A
Di-n-octyl phthalate							BDL	N/A	N/A	N/A
1,2-Diphenylhydrazine							BDL	N/A	N/A	N/A
Fluoroanthene	2000	1000	5000	1000	N/A	0.2	BDL	N/A	N/A	N/A
Fluoroene	2000	2000	5000	4000	N/A	3	BDL	N/A	N/A	N/A
Hexachlorobenzene	0.8	0.8	3	3	N/A	0.04	BDL	N/A	N/A	N/A
Hexachlorobutadine	3	10	3	40	0.001	0.09	BDL	N/A	N/A	N/A
Hexachlorocyclopentadiene							BDL	N/A	N/A	N/A
Hexachloroethane	10	10	30	50	0.01	5	BDL	N/A	N/A	N/A
Indeno(1,2,3-cd)pyrene	1	1	4	4	N/A	3	BDL	N/A	N/A	N/A
Isophorone							BDL	N/A	N/A	N/A
Napthalene	1000	1000	1000	1000	6	6	BDL	N/A	N/A	N/A

TABLE 2: SUMMARY OF GROUNDWATER ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	CMW-1	CMW-2	CMW-3	CMW-4					
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	GW-2	GW-3	04/06/05	04/06/05	04/06/05	04/06/05
Nitrobenzene							BDL	N/A	N/A	N/A
N-nitrodimethylamine							BDL	N/A	N/A	N/A
N-nitrodiphenylamine							BDL	N/A	N/A	N/A
N-nitrosodi-n-propylamine							BDL	N/A	N/A	N/A
Phenanthrene	2500	100	2500	100	N/A	0.05	BDL	N/A	N/A	N/A
Pyrene	2000	2000	5000	5000	N/A	3	BDL	N/A	N/A	N/A
1,2,4-Trichlorobenzene	2000	800	2000	800	10	0.5	BDL	N/A	N/A	N/A
4-Chloro- 3-methylphenol							BDL	N/A	N/A	N/A
2-Chlorophenol	200	20	1000	20	N/A	40	BDL	N/A	N/A	N/A
2,4-Dichlorophenol	90	90	90	90	N/A	4	BDL	N/A	N/A	N/A
2,4-Dimethylphenol	900	10	4000	10	N/A	20	BDL	N/A	N/A	N/A
2-Methyl-4,6-dinitriphenol							BDL	N/A	N/A	N/A
2,4-Dinitrophenol	90	6	90	6	N/A	2	BDL	N/A	N/A	N/A
2-Nitrophenol							BDL	N/A	N/A	N/A
4-Nitrophenol							BDL	N/A	N/A	N/A
Pentachlorophenol	10	10	40	40	N/A	0.08	BDL	N/A	N/A	N/A
Phenol	800	500	800	500	50	30	BDL	N/A	N/A	N/A
2,4,6-Trichlorophenol	60	60	200	200	N/A	0.1	BDL	N/A	N/A	N/A

BDL = Below Laboratory Method Detection Limit

N/A = Not Applicable, groundwater was not analyzed for corresponding parameter

mg/kg = Measured in Parts Per Million (ppm)

TABLE 1: SUMMARY OF SOIL ANALYTICAL DATA

SAMPLE IDENTIFICATION (SAMPLE DEPTH)	Method 1	Method 1	Method 1	Method 1	CB-1 (5-7')	CB-1 (13-15')	CB-2 (5-7')	CB-2 (9-11')	CB-3 (0-2')	CB-3 (13-15')	CB-4 (5-7')	CB-4 (9-11')
SAMPLE DATE	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	12/15/04	12/15/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04	12/14/04

COMPONENT

EXTRACTABLE PETROLUUM HYDROCARONS (EPHs) mg/kg  
WITH TARGET POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) mg/kg

C9-C18 Aliphatic Hydrocarbons	2500	2500	5000	5000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
C19-C36 Aromatic Hydrocarbons	5000	5000	5000	5000	140	51	230	BDL	400	BDL	BDL	BDL
C11-C22 Aromatic Hydrocarbons	2000	2000	5000	5000	280	12	850	BDL	1500	BDL	BDL	BDL
Napthalene	1000	1000	1000	1000	BDL	63	1080	BDL	7	BDL	BDL	BDL
2-Methylnapthalene	1000	1000	2000	1000	BDL	BDL	BDL	BDL	4	BDL	BDL	BDL
Acenaphthylene	2500	1000	2500	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthene	2500	2500	5000	4000	BDL	BDL	5	BDL	16	BDL	BDL	BDL
Fluorene	2000	2000	5000	4000	BDL	BDL	7	BDL	22	BDL	BDL	BDL
Phenanthrene	2500	100	2500	100	12	BDL	53	BDL	120	0.5	BDL	BDL
Anthracene	2500	2500	5000	5000	3	BDL	15	BDL	37	BDL	BDL	BDL
Fluoranthene	2000	1000	5000	1000	18	BDL	65	0.6	110	0.4	BDL	BDL
Pyrene	2000	2000	5000	5000	17	BDL	63	0.6	110	BDL	BDL	BDL
Benzo(a)anthracene	1	1	4	4	9	BDL	30	BDL	47	BDL	BDL	BDL
Chrysene	10	10	40	40	9	BDL	30	BDL	44	BDL	BDL	BDL
Benzo(b)fluoranthene	1	1	4	4	7	BDL	20	BDL	27	BDL	BDL	BDL
Benzo(k)fluoranthene	10	10	40	40	7	BDL	23	BDL	30	BDL	BDL	BDL
Benzo(a)pyrene	0.7	0.7	0.7	0.7	8	BDL	24	BDL	33	BDL	BDL	BDL
Indeno(1,2,3-cd)pyrene	1	1	4	4	6	BDL	15	BDL	17	BDL	BDL	BDL
Dibenzo(a,h)anthracene	0.7	0.7	0.8	0.8	BDL	BDL	4	BDL	5	BDL	BDL	BDL
Benzo(g,h,i)perylene	2500	2500	2500	2500	4	BDL	11	BDL	12	BDL	BDL	BDL

VPH ALIPHATIC/AROMATIC CARBON RANGE mg/kg

Methyl tert-butyl ether	200	200	200	200	BDL							
Benzene	60	60	100	200	BDL							
Toluene	500	1000	500	2500	BDL							
Ethylbenzene	1000	500	2500	500	BDL							
m,p Xylene	500	1000	500	2500	BDL	BDL	BDL	0.8	BDL	BDL	BDL	BDL
o-Xylene	500	1000	500	2500	BDL							
Napthalene	1000	1000	1000	1000	0.6	BDL	2.0	BDL	4.5	0.4	BDL	BDL

APPENDIX A



**APPENDIX A**

**RESUMES OF ENVIRONMENTAL PROFESSIONALS**

## **Siobhan T. Costello**

### ***Staff Environmental Consultant***

B.A., English, 2002  
University of Massachusetts,  
Amherst, Massachusetts

OSHA 40-Hour Hazardous Waste  
Operations and Emergency  
Response training

EPA AHERA Certified Asbestos  
Inspector

Siobhan T. Costello has a variety of experience in the environmental services field. She conducts Phase I Environmental Site Assessments, Phase II subsurface investigations, and brownfields assessments, provides oversight for UST removals and oil spill responses, and monitors and audits environmental compliance. Ms. Costello is able to assess properties for the likelihood of soil and/or groundwater contamination, and is well versed in groundwater and soil sampling procedures. She characterizes subsurface conditions in order to delineate the extent of hazardous materials/oil contamination in soil and groundwater, in accordance with local, state, and federal regulations.



**Siobhan T. Costello**

## ***Project Experience***

### **Phase I Environmental Site Assessments**

#### ***Various Sites***

Ms. Costello has performed numerous Phase I Environmental Site Assessments (ESAs) to evaluate the likely presence of recognized environmental conditions (RECs) in accordance with the American Society for Testing and Materials (ASTM) Standard Practice guidelines. Ms. Costello creates accurate historical timelines of property usage by conducting thorough investigations at local and regional government offices. In order to determine potential liability for property owners and/or potential lenders, site investigations consist of researching historical and current facility operations, regulatory compliance, and hazardous material storage and disposal practices. Ms. Costello also has the ability to assess non-ASTM issues such as wetlands delineation, the presence of suspect asbestos containing materials and lead-based paint, and radon surveys. Based on environmental conditions specific to individual properties, Ms. Costello has recommended further investigation of sites, which frequently includes subsurface soil and groundwater sampling and analysis.

### **Phase II Subsurface Investigations**

#### ***Industrial/Manufacturing Facilities, Former Textile Mills, Landfills***

Ms. Costello has conducted several Phase II Environmental Assessments, which characterize subsurface soils, groundwater permeability, and the extent of soil and/or groundwater contamination. She is experienced in a variety of assessment techniques, including soil boring and monitoring well installation, soil, groundwater, and drinking water well sampling, field screening, and laboratory analysis preparation. Ms. Costello is familiar with the State of Massachusetts Contingency Plan (MCP) Regulations and the State of Connecticut Remediation Standard Regulations (RSRs). She has participated in the preparation and implementation of emergency health and safety plans and procedures.

### **UST Removal Oversight**

#### ***Commercial and Residential Properties***

Ms. Costello has participated in the oversight of commercial and residential underground storage tank (UST) removals, in accordance with all of the applicable local and state regulations. Following the UST removal, Ms. Costello conducted visual inspections of the UST and tank excavation area, and field screened soil samples for the presence of volatile contaminants. Ms. Costello has completed the UST removal procedure by writing a closure report documenting the site conditions, which was submitted to the appropriate agencies.

### **Brownfields Assessments**

The Brownfields program is a federally funded program that is intended to remediate and restore underutilized commercial and industrial facilities. Ms. Costello has participated in federally funded Brownfield assessment programs for former industrial facilities located in Massachusetts. She has performed a Phase I ESA and assisted in the development and review of Quality Assurance Project Plans (QAPPs), which were submitted to the United States Environmental Protection Agency (USEPA) for review and approval.



## **Siobhan T. Costello**

### **Oil Spill Response**

#### ***Atlantic Coastline***

Ms. Costello was a part of a surveying team that assessed the environmental and ecological impact of several beaches in Buzzard's Bay, Massachusetts following an oil spill from a tanker ship. The surveying consisted of observing impacted beaches, identifying various marine wildlife and waterfowl, which included the awareness of endangered species such as the Roseate Tern and the Piping Plover, gauging the amount of oiled birds, and collecting birds that were fatally impacted by the oil spill.

### **Environmental Compliance and Auditing**

#### ***Industrial/Manufacturing Facilities***

Ms. Costello routinely reviews and analyzes current and/or historical sampling data, permits, previous environmental reports, and correspondence with federal, state, and local agencies. Ms. Costello has also inventoried all chemicals and hazardous materials utilized at a manufacturing facility and developed a book of material data safety sheets (MSDSs) for the facility.

### ***Employment History***

Clayton Group Services, Inc. – Southborough, Massachusetts  
Staff Environmental Consultant  
2003 to Present

Clayton Group Services, Inc. – Southborough, Massachusetts  
Administrative Assistant  
2002 to 2003





**MAUREEN A. KERWIN**  
Project Manager, Environmental Services

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**Summary of Professional Experience**

Maureen A. Kerwin has conducted numerous Phase I and Phase II Environmental Site Assessments (ESAs) nationally for a variety of industries including manufacturing and industrial, commercial, financial services, and real estate. She conducts and manages the Phase I ESAs of multi-property portfolios for large financial institutions. Ms. Kerwin also performs site visits to conduct inspections of hazardous materials use and waste handling practices, reviews regulatory files, and reviews multiple historical resources to provide site histories for clients. In conducting Phase II assessments, Ms. Kerwin has located and determined the extent of groundwater and soil contamination by installing soil borings and monitoring wells, and interpreting laboratory analytical data. Additional projects include asbestos and lead-based paint surveys, subcontractor supervision, and environmental compliance audits.

**Project Experience**

**Phase I ESA**

*Financial Institutions, Attorneys, Property Owners*

Ms. Kerwin has performed numerous Phase ESAs to determine the presence of recognized environmental conditions using bank-specific protocols and American Society for Testing and Materials (ASTM) Standard Practice guidelines. As part of the Phase I ESA process, she investigated facility operations, regulatory compliance, housekeeping, and hazardous material storage and disposal practices to determine potential liability for the property owner/operator and the potential lender. Historical aspects of the property, including tenant history and previous use of the property, were also investigated for the same purpose, and bulk asbestos samples were taken and analyzed upon the request of the client. Based on environmental conditions, Ms. Kerwin sometimes recommended further investigations, including subsurface soil and groundwater sampling, and comprehensive asbestos surveys. Subject properties included manufacturing, research and development, warehouse, residences, schools, lumber mills, office parks and monument manufacturing facilities. Projects have included individual properties and multi-region portfolios.

**Brownfields Assessment**

*Municipality*

Ms. Kerwin participated in a Mass Development sponsored Brownfield Assessment Program for two former industrial facilities. The scope of work included reviewing all previous site assessment reports, conducting a Phase II investigation and providing a cleanup feasibility report, including cost estimate.



**BUREAU  
VERITAS**

### **UST Removal Oversight**

#### *Real Estate Management*

During a financial transaction, Ms. Kerwin served as the geologist and consultant to oversee the removal of a UST in accordance with all applicable regulations and on a short turnaround, allowing the transaction to proceed on schedule.

### **Drywell Investigation**

#### *Educational Institution*

Ms. Kerwin assisted in the supervision of subcontractors during a Limited Removal Action (LRA) at a junior and senior high school in Massachusetts. The LRA was performed in the area surrounding a drywell to remove soil containing levels of beryllium greater than the Reportable Quantity, as defined in the Massachusetts Contingency Plan (MCP). The impacted soil was removed in order to decrease the levels of beryllium and achieve a level of no significant risk. According to the construction diagrams and visual observations, the piping leading to the suspected drywell originated from two chemistry laboratories used for junior high school instruction. Ms. Kerwin prepared a Work Plan and a Health and Safety Plan (HASP) prior to commencement of the subsurface work onsite. She also provided HASP oversight during field activities. Analytical results revealed non-detect or non-reportable concentrations of beryllium in the soil after the LRA.

### **Phase II Subsurface Investigations**

#### *Retail and Manufacturing Industries*

Ms. Kerwin has conducted numerous Phase II subsurface investigations to characterize the extent of soil and groundwater contamination at multiple facilities. She is experienced in a variety of assessment techniques, including geophysical surveys, soil boring and monitoring-well installation, soil and groundwater sampling, interpretation of laboratory analytical results, and preparing figures and tables summarizing investigation activities.

### **Polychlorinated Biphenyls (PCB) Investigation**

#### *Chemical Industry*

Ms. Kerwin participated in remedial activities to clean up a facility that had soil contaminated with PCBs and petroleum products. She participated in the soil excavation activities and conducted field laboratory analyses to determine the presence of PCBs and petroleum hydrocarbons in the soil.

### **Environmental Compliance and Auditing**

#### *Manufacturing Industry*

Ms. Kerwin participated in an environmental compliance audit for an electroplating facility in Massachusetts. The facility maintained air emissions permits associated with its activities, and wastewater discharge permits associated with its historical chemical use. Ms. Kerwin reviewed and analyzed current and historical sampling data, permits, previous environmental reports, and correspondence with federal, state, and local agencies.

**Environmental Compliance and Auditing***Manufacturing Industry*

Ms. Kerwin participated in regulatory compliance consulting services for a textile dyeing facility with onsite wastewater treatment lagoons. The facility was located partially within a regulated wetlands area at the junction of two rivers in Rhode Island. Her activities included Material Safety Data Sheet (MSDS) review for current and historical chemical use, delineation of a buffer zone between an adjacent river and developed areas onsite, and evaluation of water quality in the treatment lagoons. Ms. Kerwin also identified encroachments into the buffer zone.

**Environmental Management Systems Analysis***Manufacturing Industry*

Ms. Kerwin participated in an Environmental Management Systems Analysis (MSA) of a large manufacturer of fiber optics, undertaken as a result of a Massachusetts Department of Environmental Protection (MADEP) Consent Order. The purpose of the MSA was to provide an independent evaluation and update of the facility's obligations and compliance with existing environmental regulations in accordance with MADEP requirements. Ms. Kerwin helped address compliance with the Clean Air Act (CAA), Clean Water Act (CWA), Comprehensive Environmental Responsibility, Compensation, and Liability Act (CERCLA), Emergency Contingency Plan (ECP), Emergency Planning and Community Right-To-Know Act (EPCRA), Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), National Emissions Standards for Hazardous Air Pollutants (NESHAP), Oil Pollution Prevention Regulations, Resource Conservation and Recovery Act (RCRA), and Toxic Substances Control Act (TSCA). The audit included an inspection of the property for environmental concerns, interviews with onsite facility managers and appropriate personnel, an evaluation of existing site operations for their potential impact on the environmental compliance status of the facility, and a review of previous documents, records, employee training procedures, and permits.

**Asbestos Surveys***Various Facilities*

Ms. Kerwin has identified and quantified suspect asbestos containing material (ACM) at multiple manufacturing, commercial and educational facilities across the country. She has collected samples of suspect ACM using an AHERA sampling protocol to determine the presence of asbestos fibers in the suspect material. Under the supervision of a State of Massachusetts Abatement Project Designer and Asbestos Inspector, Ms. Kerwin conducted comprehensive asbestos surveys of properties located in the State of Massachusetts.



**BUREAU  
VERITAS**

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### **Employment History**

Clayton Group Services, Inc. – Southborough, Massachusetts  
Project Manager  
2002 to Present

Clayton Group Services, Inc. – Lincoln, Massachusetts  
Environmental Consultant  
2001 to 2002

Clayton Group Services, Inc. – Lincoln, Massachusetts  
Staff Environmental Consultant  
2000 to 2001

Harvard University Herbaria – Cambridge, Massachusetts  
Curatorial Associate  
1997 to 2000

Miami University – Oxford, Ohio  
Graduate Teaching Assistant/Laboratory Instructor  
1995 to 1997

Bell Island Ltd. Corp. – Bell Island (Exuma Chain), Bahamas  
Assistant Ecological Consultant  
1996

### **Education**

M.S., Botany, 1997  
Miami University, Oxford, Ohio

B.A., Biology, 1995  
College of the Holy Cross, Worcester, Massachusetts

### **Professional Registrations and Certifications**

OSHA 40-Hour HAZWOPER Training, 2000  
OSHA 40-Hour HAZWOPER Training, Annual Refresher Course  
AHERA 24-Hour Asbestos Inspector Certification, 2000  
AHERA 24-Hour Asbestos Inspector Certification, Annual Refresher and License Renewal with  
the State of Massachusetts



### **Publications and Presentations**

Kerwin, Maureen A. and N.L. Smith-Huerta. 2000. Pollen and Pistil Effects on Pollen Germination and Tube Growth in Populations of *Clarkia tembloriensis* (Onagraceae) and Their Hybrids. *International Journal of Plant Sciences*. 161: 895-902.

Bertin, R. I. and M. A. Kerwin. 1998. Floral Sex Ratios and Gynomonoecy in *Aster*. *American Journal of Botany*. 85: 235-244.

Freid, E. H. and M. A. Kerwin. 1998. The Flora and Vegetation of Bell Island (Exuma Chain). *Proceedings of the 7<sup>th</sup> Natural History of the Bahamas Symposium*. Bahamian Field Station, San Salvador, T.K. Wilson (ed.).

Kerwin, Maureen A. 1997. Poster presented at the American Institute of Biological Sciences Meeting in Montreal, Quebec, August.

Kerwin, Maureen A. and E. H. Freid. August 1997. Paper presented at the 7<sup>th</sup> Natural History of the Bahamas Symposium.

Kerwin, Maureen A. and R. I. Bertin. October 1995. Paper presented at the Population Biologists of New England Meeting at the University of Connecticut.

## Sanford E. Garrett



*Director,  
Environmental Services*

M.S., Environmental Science, 1986  
Hampton University, Hampton,  
Virginia

B.S., Marine Science, 1984  
Hampton University, Hampton,  
Virginia

OSHA 40-Hour Hazardous Waste  
Operations and Emergency  
Response Training, 1987

OSHA 8-Hour Refresher Training,  
Annual

OSHA 8-Hour Supervisor Training,  
1990

USEPA AHERA Certified Building  
Inspector, 1996, Annual Refreshers

Sanford E. Garrett has 17 years of experience conducting environmental compliance audits and inspections, subsurface investigations, and environmental due diligence for real estate transactions, mergers, and acquisitions. He has directed remedial investigation and remediation projects as well as turnkey demolition projects, which have included asbestos abatement, building decontamination, demolition, and disposal. As a former employee of the New Jersey Department of Environmental Protection, his regulatory background has proven to be instrumental in the development of risk-based remedial investigation and remedial action work plans.

Mr. Garrett is currently managing the remediation of a bulk petroleum lubricant facility contaminated with polychlorinated biphenyls (PCBs). He has also managed the turnkey design, abatement, and demolition of two airplane hangars at John F. Kennedy Airport in Jamaica, New York and has supervised one of the first certified closures of a wastewater treatment plant in New Jersey. In addition, he has closed numerous Resource Conservation and Recovery Act (RCRA) units for the Department of Defense (DoD) and has managed the remediation of a chemical bulk storage terminal. Mr. Garrett has also managed or conducted numerous Phase I and II environmental site assessments (ESAs), underground storage tank (UST) site assessments and closures, stream surveys, and hazardous waste site remediations.

**Sanford E. Garrett**

## ***Project Experience***

### ***Manufactured Gas Plant Soil Vapor Survey Utility Industry***

Mr. Garrett has performed and managed the subsurface investigation of manufactured gas plant (MGP) sites that are currently improved with schools, hospitals and commercial businesses in New York. The investigations required the collection and analysis of soil gas for indicator compounds typically associated with MGP operations.

### ***Regulatory Compliance Audit Management Telecommunications Industry***

Mr. Garrett managed and conducted regulatory compliance audits of telecommunications facilities throughout the northeastern United States. Project activities included taking chemical inventories and evaluating hazardous materials, waste disposal practices, and wastewater discharges. As a result of these activities, the client was able to develop standard operating procedures to meet corporate environmental compliance standards.

### ***Regulatory Compliance and ISO 14001 Audit Printing Industry – Offset Printer***

Mr. Garrett led a team of environmental auditors to conduct a regulatory compliance/ISO 14001 audit of the fourth largest offset printer in the state of New Jersey. The audit was designed to ensure compliance with Federal, state, and local environmental regulations and the company's environmental management systems. The audit resulted in the client's certification as an ISO 14001 company. Clayton is currently providing annual facility environmental audits, monthly regulatory updates and regulatory compliance support.

### ***Environmental Regulatory Compliance and Permitting Chemical Bulk Storage Industry***

Mr. Garrett managed and provided environmental regulatory compliance and permitting for a chemical bulk storage terminal in New Jersey. He managed the facility compliance audits, air permits, waste water discharge permits, air permitting, and internal quality assurance/quality control (QA/QC) procedures. Project activities improved compliance with Federal, state, and local environmental regulations, which included Resource Conservation Recovery Act (RCRA), Toxic Substances Control Act (TSCA), UST, above ground storage tank (AST), and underground injection control programs.

### ***Remediation Management and Technical Oversight Petroleum Industry – Bulk Storage Terminal***

Mr. Garrett managed and provided technical oversight for remediation of a bulk storage terminal fire that released hazardous pollutants into a natural resource wetland in Georgia. The project required remediation of spilled contaminants, evaluation of the impact on natural resources and human health, remedial investigation of the subsurface conditions, and preparation of the site for reconstruction. The severity of the fire precluded the reconstruction of the terminal; however, project activities led to restoration of the site as a public park.



## **Sanford E. Garrett**

### ***Remedial Investigation/Feasibility Study (RI/FS)***

#### ***Petroleum Industry***

Mr. Garrett managed an RI/FS for an oil lubricant facility in New Jersey. He developed a remedial investigation work plan and a health and safety plan and initiated interim remedial measures. Mr. Garrett also managed the coordination and sampling of this 6-acre property, which included installing monitoring wells to a depth of 125 feet below ground surface (bgs) and delineating PCB and petroleum contamination to a depth of 20 feet bgs. During the remedial investigation, Mr. Garrett managed the removal and disposal of buried drums, closure of the facility lagoon, closure/capping of an onsite waste pile, and mitigation of offsite impacts. The ultimate goal of the project is to mitigate the areas of environmental concern based on risk and to establish a deed restriction and engineering cap for the property. As a result of project activities, an alternate cleanup standard for the site remediation has been approved by the state agencies, resulting in substantial cost savings. Mr. Garrett also assisted counsel in developing the environmental indemnification and schedule as part of the environmental disclosure for the sale of the property.

### ***Environmental Due Diligence Assessment***

#### ***The CIT Group***

Mr. Garrett is the corporate account manager and coordinates the environmental due diligence assessments of commercial and industrial properties throughout the United States, United States Territories, and Canada. Real estate transactions and corporate mergers and acquisitions, financed by The CIT Group and valued at more than \$100 million, have been successfully completed. He has managed due diligence assessments and conducted numerous subsurface investigation, asbestos assessments, and equipment evaluations.

Mr. Garrett's services have facilitated disclosure of environmental liabilities and completion of a large-scale estate transaction and corporate acquisitions on schedule. In cases where significant environmental impairment was observed, a contractual agreement was developed, establishing a financial contribution from either the buyer or seller over time or excluding the real estate as collateral.

### ***RCRA Hazardous Waste Storage Units (HWSU) Closure Plans***

#### ***Federal Government***

Mr. Garrett prepared plans and a specification for the closure of RCRA hazardous waste storage units in New Jersey for the DoD. Activities included decontamination of buildings, UST closures, and disposal of explosive waste. The closure activities were conducted to achieve compliance with the facility's RCRA permit and Part B Closure.

### ***UST Closures and Soil Remediation***

#### ***Real Estate Industry***

Mr. Garrett prepared specifications and managed the closure of USTs and directed the remediation of soil contaminated with petroleum products for property management firms in Maryland, New Jersey, New York, Pennsylvania, Massachusetts, Georgia, and Rhode Island. Turnkey management of these projects has led to time and cost savings



## **Sanford E. Garrett**

### ***Stormwater Sampling and Discharge Investigation Federal Government***

Mr. Garrett conducted stormwater quality sampling and investigated illegal discharges that had contaminated a United States Postal Service property in New Jersey. His activities led to rerouting unpermitted facility discharges and better management of water and wastewater discharges.

### ***Waste Water Treatment Plant PCB Remediation Former Religious Institution***

Mr. Garrett prepared specifications and oversaw remediation of a PCB-contaminated waste water treatment plant in New Jersey. He collected soil and water samples to delineate the extent of contamination, designed and implemented a cleanup plan for the removal and disposal of 4,000 cubic yards of PCB- and petroleum-contaminated soil. Project activities allowed the property to be sold and redeveloped as a corporate office park.

## ***Employment History***

Clayton Group Services, Inc. – Edison, New Jersey  
Director, Environmental Services, New York Region  
1997 to Present

Clayton Group Services, Inc. – Edison, New Jersey  
Manager, Assessments and Compliance  
1996 to 1997

Clayton Group Services, Inc. – Edison, New Jersey  
Supervisor, Assessments and Compliance  
1994 to 1996

Clayton Group Services, Inc. – Edison, New Jersey  
Group Leader/Environmental Consultant  
1993 to 1994

Clayton Group Services, Inc. – Edison, New Jersey  
Environmental Consultant  
1991 to 1993

Carpenter Environmental Associates, Inc. – Ramsey, New Jersey  
Senior Environmental Analyst  
1988 to 1991

New Jersey Department of Environmental Protection – West Orange, New Jersey  
Environmental Scientist, Division of Water Resources Enforcement  
1987 to 1988

**Sanford E. Garrett**

United States Environmental Protection Agency – Gulf Breeze, Florida  
Research Assistant, Biochemistry Department  
1985 to 1987

National Oceanographic and Atmospheric Administration – Pascagoula, Mississippi  
Marine Fisheries, Volunteer Research Scientist  
Summer 1982







## **APPENDIX B**

### **LIST OF SOURCES/REFERENCES**



## LIST OF SOURCES/REFERENCES

### CONTACTS:

Agency and division/source: City of New Bedford Tax Assessor's Office  
Name/title of representative: Staff  
Location of Agency: 133 Williams Street, New Bedford, Massachusetts  
Agency Telephone Number: (508) 979-1440  
Date Information was received: March 31, 2004  
Information obtained: Property card

Agency and division/source: City of New Bedford Inspectional Services Department  
Name/title of representative: Staff  
Location of Agency: 133 Williams Street, New Bedford, Massachusetts  
Agency Telephone Number: (508) 978-1518  
Date Information was received: March 31, 2004  
Information obtained: Building Permits and a 21E Request Form was completed for health records.

Agency and division/source: City of New Bedford Department of Environmental Stewardship  
Name/title of representative: Staff  
Location of Agency: 133 Williams Street, New Bedford, Massachusetts  
Agency Telephone Number: (508) 979-1488  
Date Information was received: March 31, 2004  
Information obtained: One UST removal letter.

Agency and division/source: City of New Bedford Engineering Department  
Name/title of representative: Staff  
Location of agency: 133 Williams Street, New Bedford, Massachusetts  
Agency telephone number: (508) 979-1527  
Date information was received: March 31, 2004  
Information obtained: Aerial photographs and Zoning Map

Agency and division/source: City of New Bedford Conservation Commission  
Name/title of representative: Staff  
Location of agency: 133 Williams Street, New Bedford, Massachusetts



**LIST OF SOURCES/REFERENCES**  
**(Continued)**

Agency telephone number: (508) 991-6188  
Date information was received: March 31, 2004  
Information obtained: FEMA Flood Plain Map

Agency and division/source: City of New Bedford Clerk's Office  
Name/title of representative: Staff  
Location of agency: 133 Williams Street, New Bedford, Massachusetts  
Agency telephone number: (508) 979-1440  
Date information was received: March 31, 2004  
Information obtained: One card indicating two USTs at the subject property.

Agency and division/source: City of New Bedford Fire Department, Bureau of Fire Prevention  
Name/title of representative: Staff  
Location of Agency: 181 Hillman Street, New Bedford, Massachusetts  
Agency Telephone Number: (508) 991-6120  
Date Information was received: March 31, 2004  
Information obtained: Fire incidents, UST records, AST records, and hazardous material use.

Agency and division/source: City of New Bedford Public Library  
Name/title of representative: Staff  
Location of Agency: 613 Pleasant Street, New Bedford, Massachusetts  
Agency Telephone Number: (508) 991-6280  
Date Information was received: March 31, 2004  
Information obtained: City directories



**LIST OF SOURCES/REFERENCES**  
**(Continued)**

**REFERENCES:**

Name of publication: Soil Survey of Bristol County, Massachusetts, Southern Part  
Author of publication: U.S Department of Agriculture, Soil Conservation Service  
Date of publication: October 1981  
Page number(s): 124  
Information obtained: Soil description

Name of publication: The EDR Radius Map, with Geocheck®  
Author of publication: Environmental Data Resources  
Date of publication: April 1, 2004  
Page number(s): N/A  
Information obtained: Federal and State Database research.

Name of publication: The EDR Sanborn Fire Insurance Maps  
Author of publication: Environmental Data Resources  
Date of publication: April 1, 2004  
Page number(s): N/A  
Information obtained: Sanborn Fire Insurance Maps

Name of publication: *Response Action Outcome Statement, Lots 1A and 173 of the Former Alden Corrugated Container Property, 1 Church Street, New Bedford, Massachusetts, RTN 4-14950.*  
Author of publication: Clayton Group Services, Inc.  
Date of publication: February 24, 2004  
Page number(s): N/A  
Information obtained: Previous environmental report





## **APPENDIX C**

### **PREVIOUS ENVIRONMENTAL REPORTS**

QUALITY MANUAL  
FOR  
RI Analytical Laboratories, Inc.  
REVISION # 003

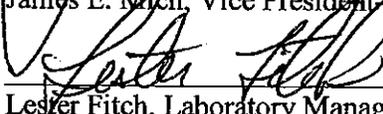
EFFECTIVE DATE  
November 14, 2002

Prepared by:  
RI Analytical Laboratories, Inc.  
41 Illinois Ave.  
Warwick, RI 02888  
401-737-8500

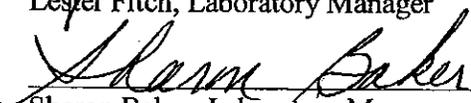
November 14, 2002

  
\_\_\_\_\_  
James E. Mich, Vice President/General Manager

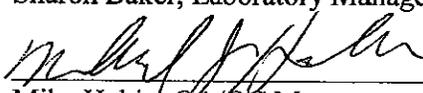
4/10/03  
Date

  
\_\_\_\_\_  
Lester Fitch, Laboratory Manager

4/10/03  
Date

  
\_\_\_\_\_  
Sharon Baker, Laboratory Manager

4/10/03  
Date

  
\_\_\_\_\_  
Mike Hobin, QA/QC Manager

04/08/03  
Date

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## **11.0 FACILITIES, EQUIPMENT, REAGENTS, AND PREVENTATIVE MAINTENANCE**

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**Figure 2-1. Organization chart**

**Table 2-1. RI Analytical Laboratories, Inc. Capabilities**

## 1) POLICY STATEMENT

This Quality Manual summarizes the policies and operational procedures associated with RI Analytical Laboratories, Inc (RIAL) in Warwick, Rhode Island. Protocols for sample handling and storage, chain-of-custody, and laboratory analyses, data reduction, corrective action, and reporting are described. All policies and procedures have been structured in accordance with the NELAC standards and applicable EPA requirements, regulations, guidance, and technical standards. This manual has been prepared in accordance with the guidance documents listed in Section 15. Specific details on these policies and procedures are contained in SOPs and related documents. This Quality Manual, SOPs, and related documentation describe the quality system for RI Analytical Laboratories, Inc. (RIAL).

The Quality Manual provides personnel and customers of RI Analytical Laboratories, Inc. with a description of company policy for maintaining an effective quality assurance system, planned and developed in conjunction with other management planning functions.

RI Analytical Laboratories, Inc. performs chemical analyses for inorganic and organic constituents in water and soil. RI Analytical Laboratories, Inc. goal is to produce data that is scientifically valid, defensible, and of known and documented quality in accordance with standards developed by the National Environmental Laboratory Accreditation Conference (NELAC) and any applicable state or EPA regulations or requirements. A Certification Statement (see Appendix A) has been recorded to this effect.

RI Analytical Laboratories, Inc. analyzes Proficiency Test samples at least two times per year from a NIST-approved PT provider for the analytes established by EPA for water samples. RI Analytical Laboratories, Inc. analyzes Proficiency Test samples at least two times per year from a ISO 9001 registered PT provider for other analytes and matrices. The specific analytes and matrices analyzed are based on the current scope of the laboratory services.

The technical and service requirements of all requests to provide analyses are thoroughly evaluated before commitments are made to accept the work. This includes a review of facilities and instrumentation, staffing, and any special QC or reporting requirements to ensure that analyses can be performed within the expected schedule. All measurements are made using published reference methods or methods developed by RI Analytical Laboratories, Inc. Competence with all methods is demonstrated according to the procedure described in Appendix B and an Initial Demonstration of Capability prior to use.

RI Analytical Laboratories, Inc. has developed a proactive program for prevention and detection of improper, unethical or illegal actions. Components of this program include:);

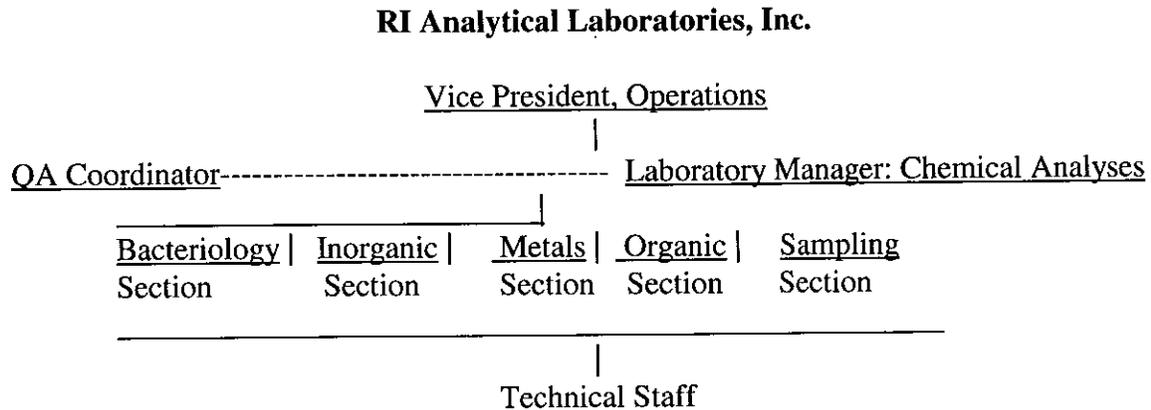
electronic data audits and post-analysis data review by the QC Coordinator; a program to improve employee vigilance and co-monitoring; and SOPs identifying appropriate and inappropriate laboratory and instrument operation practices.

## 2.0 ORGANIZATION AND RESPONSIBILITIES

### 2.1 Organization Chart / Job Descriptions

An organization chart for RI Analytical is shown in Figure 2-1. This chart includes all individuals discussed below. Job descriptions for all individuals are maintained in the Human Resources department.

Figure 2-1: ORGANIZATIONAL CHART



### JOB DESCRIPTION

#### VICE PRESIDENT OF OPERATIONS

The Vice President of Operations is responsible for the following activities and responsibilities as a minimum:

- Define the minimum level of experience and skills for new hires and existing positions within the company
- Supervise all department managers, customer service, and sales personnel
- Oversee all analytical documentation and Certificates of Analysis
- Oversee all necessary training, both in-house and outside training
- Assure that all technical staff have demonstrated proficiency in the activities for which they are responsible
- Make sure that all sample acceptance criteria are verified and followed
- Make sure that all samples are logged into the LIMS system correctly and properly labeled and stored
- Responsible for Management System Review
- Make sure that the lab has the capabilities to perform new work
- Make sure Corrective Actions are instituted and completed
- Make sure that the mission statement of RI Analytical Laboratories, Inc. particularly the ethics statement is followed

## JOB DESCRIPTION Q.C. COORDINATOR

The Q.C. Coordinator reports to the Vice President of Operations but has no immediate or direct day-to-day responsibilities for the generation of analytical data. Some of the responsibilities of the Q.C. Coordinator, though not all inclusive, are:

- Conduct internal audits to assure valid analytical data
- Monitor Corrective Actions to completion
- Notify lab management of any deficiencies in the QC/QA systems of RI Analytical Laboratories, Inc.
- Monitor the acquisition of Performance Testing (PT) samples at least 2 times per year.
- Assist in the training of the technical staff in QA/QC reporting requirements

## JOB DESCRIPTION-LAB MANAGER

Listed below are some of the responsibilities of the Lab Manager. These responsibilities are the minimum expectations, however additional responsibilities may become part of the job description as delegated by the Vice President, or President of RI Analytical.

- Monitor Q.C. and Q. A. performance
- Monitor data validation on a day to day basis
- Make sure that the lab has the necessary resources, i.e., lab space, personnel and equipment to perform the work of the laboratory
- Make sure that appropriate chemicals, standards, and equipment is ordered to perform the work of the laboratory
- Supervise the technical staff of the laboratory
- Train the technical staff in the skills required to perform the technical aspects of the analyses

## JOB DESCRIPTION- Section Supervisors

Listed below are some of the responsibilities of the Section Supervisor. These responsibilities are the minimum expectations, however additional responsibilities may become part of the job description as delegated by the Lab Manager, Vice President, or President of RI Analytical.

- Monitor Q.C. and Q. A. performance
- Monitor data validation on a day to day basis
- Make sure that the lab has the necessary resources, i.e., lab space, personnel and equipment to perform the work of the laboratory
- Make sure that appropriate chemicals, standards, and equipment is ordered to perform the work of the laboratory
- Supervise the technical staff of the laboratory

- Train the technical staff in the skills required to perform the technical aspects of the analyses

## 2.2 Training

Each employee has read, understood, and is using the latest version of the laboratory's SOPs, which relates to his/her job responsibilities. Each employee demonstrates continued proficiency by acceptable performance on Laboratory Control Sample (LCS). Training records (e.g., continuing education, participation in technical conferences, internal training activities) are kept with personnel files.

Initial Demonstration of Capabilities documentation can be found in the personnel files for the technical staff. Performance Testing, quality control samples, and internal audits are employed by RI Analytical Laboratories, Inc. (RIAL) management as a tool to train and educate the employees regarding the services and capabilities of RI Analytical Laboratories, Inc. (RIAL).

## 2.3 Laboratory Capabilities

RI Analytical Laboratories, Inc. (RIAL) analyzes water and soil samples. The table below lists the parameters/analytes measured.

Table 2-1 RI Analytical Laboratories, Inc. Capabilities

<b>Parameter/Analyte</b>	<b>Methodology</b>
PH	PH Meter
TSS	Gravimetric
Metals	ICP-OES
Metals	GFAA
Mercury	CVAA
Volatile Organics	GC/MS
Volatile Organics	GC
Semi-Volatile Organics	GC/MS
Ash	Gravity
Bulk Water & Sediment	Gravity
Flash Point	EPA SW-846
Reactivity, Cyanide	EPA SW-846
Reactivity, Sulfide	EPA SW-846
Nitrogen, Ammonia	Colorimetric
Nitrogen, Total Kjeldahl	Colorimetric
Nitrogen, Nitrate	Colorimetric
Nitrogen, Nitrite	Colorimetric
Odor	Olfactory
Fluoride	Colorimetric

Formaldehyde	HPLC
Hardness, Total	ICP
Moisture	Titration
Water, Karl Fisher	Titration
Water Reactivity	Colorimetric
Sulfur	Titration
Sulfate	Colorimetric/Gravimetric
Sulfide	Colorimetric
Sulfite	Colorimetric
Chlorine, free	Spectrophotometric
Chlorine, residual	Spectrophotometric
Chlorine Demand	Spectrophotometric
Chloride	Titration
Phenol	Colorimetric
Phosphate, Ortho	Colorimetric
Phosphate, Total	Colorimetric
Oil & Grease	GC, IR
Oxygen, Dissolved	Potentiometric
Sieve Analysis	Gravimetric
Specific Conductance	Potentiometric
Turbidity	Nephelometry
Biochemical Oxygen Demand	Potentiometric
Chemical Oxygen Demand	Colorimetric
Surfactants	IR, Spectrophotometric
Bromide	Colorimetric
Acidity	Titration
Alkalinity	Titration
Total Coliform	MF/MPN
Fecal Coliform	MF/MPN
Algae	Microscopic
Fecal Streptococcus	MF/MPN
Total Plate Count	Direct Plating
Salmonella Bacteria	MF/MPN
Legionella Bacteria	Direct Plating
Iron Bacteria	Microscopic
Enterococci	MF/MPN

### **3.0 QUALITY ASSURANCE OBJECTIVES**

The overall QA objectives for RI Analytical Laboratories, Inc. is to develop and implement procedures for laboratory analysis, chain-of-custody, and reporting that will provide results which are of known and documented quality. Data Quality Indicators (DQIs) are used as qualitative and quantitative descriptors in interpreting the degree of acceptability or utility of data. The principal DQIs are precision, accuracy, reliability (in the form of representativeness, comparability, completeness) and detection limits. DQIs are used as quantitative goals for the quality of data generated in the analytical measurement process. This section summarizes how specific QA objectives are achieved. The specific application of these various activities are contained in the method SOPs.

Another goal of this Quality Assurance Program is to meet the requests of regulatory and accrediting bodies as well as RI Analytical Laboratories, Inc. customers. Management, administrative, statistical, investigative, preventive and corrective techniques will be employed to maximize reliability and representativeness of the data.

#### **3.1 Precision**

Precision is a measure of the degree to which two or more measurements are in agreement.

Precision is assessed through the calculation of relative percent differences (RPD) and relative standard deviations (RSD) for replicate samples. For inorganic analyses, laboratory precision is usually assessed through the analysis of a sample/sample duplicate pair and field duplicate pairs. For organic analyses, precision is usually assessed through the analysis of matrix spike/matrix spike duplicate (MS/MSD) and field duplicate samples.

#### **3.2 Accuracy**

Accuracy is the degree of agreement between an observed value and an accepted reference or true value.

Accuracy is assessed by the analysis of blanks and through the adherence to all sample handling, preservation and holding times. Laboratory accuracy is further assessed through the analysis of MS/MSD, quality control check samples, laboratory control samples (LCS) and surrogate compound spikes.

#### **3.3 Representativeness**

Representativeness expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition within a defined spatial and/or temporal boundary.

Representativeness is ensured by using the proper analytical procedures, appropriate methods, meeting sample holding times and analyzing field duplicate samples.

### **3.4 Completeness**

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount that was expected to be obtained under normal conditions.

Laboratory completeness is a measure of the amount of valid measurements obtained from all the measurements taken in the project. The laboratory completeness objective is to generate valid data for all samples be greater than 95 percent.

### **3.5 Comparability**

Comparability is an expression of the confidence with which one data set can be compared to another.

Comparability is achieved by the use of routine analytical methods, achieving holding times, reporting results in common units, use of consistent detection levels, and consistent rules for reporting data.

### **3.6 Detection Limits**

Method Detection Limits (MDLs) are determined for all analytes as specified in the NELAC standards. From these, a Limit of Quantitation (LOQ), nominally 3.14 times the IDL, is established. The LOQ is the minimum concentration of an analyte that can be identified and quantified within specified limits of precision and bias during routine analytical operating conditions.

## **4.0 SAMPLING PROCEDURES**

RI Analytical Laboratories, Inc. uses the sampling guidelines established in EPA SW-846 or in the absence of EPA sampling methods, American Society of Test Methods for specific analytes.

## **5.0 SAMPLE HANDLING**

This section summarizes the RI Analytical Laboratories, Inc. policies and practices for sampling handling. Further details are contained in specific SOPs.

### **5.1 Sample Tracking**

RI Analytical Laboratories, Inc. (RIAL) uniquely identifies each sample to be tested, to ensure that there can be no confusion regarding identity. The sample identification system includes identification for all samples, subsamples and subsequent extracts and/or digestates. A unique identification (ID) code is placed on each sample container.

### **5.2 Sample Acceptance Policy**

RIAL has a written sample acceptance policy that outlines the circumstances under which samples will be accepted. Data from any samples, which do not meet the policy, are noted in the laboratory report defining the nature and substance of the variation. The policy requires:

- Proper, full, and complete documentation, including the sample identification, the location, date and time of collection, collector's name, preservation type, sample type and any special remarks concerning the sample;
- Unique identification of samples using durable labels completed in indelible ink;
- Use of appropriate sample containers;
- Receipt within holding times;
- Adequate sample volume; and
- Procedures that are used when samples show signs of damage or contamination.

### **5.3 Sample Receipt Protocols**

Upon receipt, the condition of the sample, including any abnormalities or departures from standard condition is recorded. All samples which require thermal preservation are considered acceptable if the arrival temperature is either within +/-2 degrees C of the required temperature or the method specified range. For samples with a specified temperature of 4 degrees C, samples with a temperature of ranging from just above freezing temperature of water to 6 degrees C are considered acceptable. Samples that are hand delivered to the laboratory immediately after collection may not meet this criteria. In these cases, the samples will be considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

Where applicable, RIAL verifies chemical preservation using readily available techniques, such as pH, free chlorine or temperature, prior to or during sample preparation or analysis. The results of checks are recorded.

Where there is any doubt as to the sample's suitability for testing, RIAL consults its clients for further instruction before proceeding. If the sample does not meet the sample receipt acceptance criteria, RIAL notes the condition of the samples on the chain of custody form and in the final report.

#### **5.4 Storage Conditions**

Samples which require thermal preservation are stored under refrigeration which is +/-2 degrees of the specified preservation temperature. For samples with a specified storage temperature of 4 degrees C, storage at a temperature above the freezing point of water to 6 degrees C is considered acceptable. Samples are stored in a manner that prevents cross contamination.

#### **5.5 Chain of Custody**

Chain of custody records are used to establish an intact, continuous record of the physical possession, storage and disposal of sample containers, collected samples, sample aliquots, and sample extracts or digestates. The COC records account for all time periods associated with the samples. The COC records identify all individuals who physically handled individual samples. The COC forms remain with the samples during transport or shipment. If shipping containers and/or individual sample containers are submitted with sample custody seals, and any seals are not intact, the lab shall note this on the chain of custody.

Access to all samples and subsamples is controlled. The laboratory area is restricted to authorized personnel only.

#### **5.6 Sample Disposal**

All samples, digestates, leachates and extracts or other sample preparation products are disposed of in accordance with Federal and State laws and regulations. If the sample is part of litigation, disposal of the physical sample occurs only with the concurrence of the affected legal authority, sample data user and/or submitter of the sample.

## **6.0 CALIBRATION PROCEDURES AND FREQUENCY**

### **6.1 Traceability of Calibration**

Wherever applicable, calibration of analytical support equipment and instruments is traceable to national standards of measurement.

### **6.2 Reference Standards**

Reference standards of measurement (such as Class S or equivalent weights or traceable thermometers) are used for calibration only. Reference standards are subjected to in-service checks between calibrations and verifications.

### **6.3 General Requirements**

Each calibration is dated and labeled with or traceable to the method, instrument, analysis date, and each analyte name, concentration and response (or response factor). Sufficient information is recorded to permit reconstruction of the calibration. Acceptance criteria for calibrations comply with method requirements or are established and documented.

### **6.4 Analytical Support Equipment**

Analytical support equipment includes: balances, ovens, refrigerators, freezers, incubators, water baths, temperature measuring devices and volumetric dispensing devices if quantitative results are dependent on their accuracy, as in standard preparation and dispensing or dilution into a specified volume. All such support equipment is:

- maintained in proper working order. The records of all activities including service calls are kept.
- calibrated or verified at least annually, using NIST traceable references when available, over the entire range of use. The results of such calibration must be within the specifications required of the application for which the equipment is used or the equipment is removed from service until repaired.

Balances, ovens, refrigerators, freezers, incubators and water baths are checked with NIST traceable references (where possible) in the expected use range. The acceptability for use or continued use is according to the needs of the analysis or application for which the equipment is being used. Mechanical volumetric dispensing devices (except Class A glassware) are checked for accuracy quarterly.

### **6.5 Instrument Calibration**

Calibration procedures for a specific laboratory instrument will consist of an initial calibration, and a calibration verification, when an initial instrument calibration is not performed on the day of analysis. The SOP for each analysis performed in the laboratory

describes the calibration procedures, their frequency, acceptance criteria and the conditions that will require recalibration. In all cases, the initial calibration is verified using an independently prepared calibration verification solution. RIAL maintains a sample logbook for each instrument which contains the following information: instrument identification, serial number, date of calibration, analyst, calibration solutions run and the samples associated with these calibrations.

All results are calculated based on the response curve from the initial calibration and are bracketed by calibration standards or reported as having a lower confidence level.

If the initial calibration fails, the analysis procedure is stopped and evaluated. For example, a second standard may be analyzed and evaluated or a new initial calibration curve may be established and verified. In all cases, the initial calibration must be acceptable before analyzing any samples.

When an initial instrument calibration is not performed on the day of analysis, a calibration verification check standard is analyzed at the beginning and at end of each batch. An exception to this policy is for internal standard methods (e.g. most organic methods). For these analyses, the calibration check is only analyzed at the beginning of the analytical sequence. The concentration of this calibration check varies on a daily basis as described in each method SOP. If a calibration check standard fails, and routine corrective action procedures fail to produce a second consecutive calibration check within acceptance criteria, a new initial calibration curve is constructed. If the continuing calibration acceptance criteria are exceeded high (i.e., high bias), and there are non-detects for the corresponding analyte in all environmental samples associated with the continuing calibration check, then those non-detects may be reported, otherwise the samples affected by the unacceptable check are reanalyzed after a new calibration curve has been established, evaluated and accepted. If the continuing calibration acceptance criteria are below the low limit, results may be reported if sample results indicate a concentration above an action level and accurate values are not required by the customer. Otherwise, additional sample analysis does not occur until a new calibration curve is established and verified.

## **7.0 TEST METHODS AND STANDARD OPERATING PROCEDURES**

RIAL maintains Standard Operating Procedures (SOPs) that accurately reflect all laboratory activities such as assessing data integrity, corrective actions, handling customer complaints, and all test methods. Copies of SOPs are accessible to all personnel. Each SOP indicates the effective date, the revision number, and the signature(s) of the QC Coordinator, Laboratory Manager, and Vice President, Operations.

SOPs are used to ensure consistency and to save time and effort. Any deviation from an established procedure during an analysis is documented.

### **7.1 SOPs for Sample Management**

These SOPs describe the receipt, handling, scheduling, and storage of samples.

Sample Receipt and Handling -- These procedures describe the precautions to be used in opening sample shipment containers and how to verify that chain-of-custody has been maintained, examine samples for damage, check for proper preservatives and temperature, and log samples into the laboratory sample streams.

Sample Scheduling -- These procedures describe the sample scheduling in the laboratory and includes procedures used to ensure that holding time requirements are met.

Sample Storage -- These procedures describe the storage conditions for all samples, verification and documentation of daily storage conditions, and how to ensure that custody of the samples is maintained while in the laboratory.

### **7.2 SOPs for Reagent/Standard Preparation**

These SOPs describe how to prepare standards and reagents. Information concerning specific grades of materials used in reagent and standard preparation, appropriate glassware and containers for preparation and storage, and labeling and record keeping for stocks (ex. Lot# and Expiration dates) and dilutions is included. Upon receipt of every Reagent/Standard R.I. Analytical assigns an internal ID/tracking number on each individual container and in a logbook. This Id/tracking number will be documented anywhere the Reagent/standards are used.

### **7.3 SOPs for General Laboratory Techniques**

These SOPs describe all essentials of laboratory operations that are not addressed elsewhere. These techniques should include, but are not limited to, glassware cleaning procedures, operation of analytical balances, pipetting techniques, use of volumetric glassware, pollution prevention, and waste management.

## 7.4 SOPs for Test Methods

1. Procedures for test methods describing how the analyses are actually performed in the laboratory are specified in method SOPs. These SOPs for sample preparation, cleanup and analysis are based on reference methods published by EPA, ASTM, AWWA, and other organizations and on internally developed methods validated according to EPA's Performance-Based Measurement System. Each method SOP includes (where applicable):
  - 1) identification of the test method;
  - 2) applicable matrix or matrices;
  - 3) method detection limit;
  - 4) scope and application, including components to be analyzed;
  - 5) summary of the method;
  - 6) definitions;
  - 7) interferences;
  - 8) safety;
  - 9) equipment and supplies;
  - 10) reagents and standards;
  - 11) sample collection, preservation, shipment and storage;
  - 12) quality control;
  - 13) calibration and standardization;
  - 14) procedure;
  - 15) calculations;
  - 16) method performance;
  - 17) data assessment and acceptance criteria for quality control measures;
  - 18) corrective actions for out-of-control data;
  - 19) contingencies for handling out-of-control or unacceptable data;
  - 20) references; and
  - 21) any tables, diagrams, flowcharts and validation data

## 7.5 SOPs for Equipment Calibration and Maintenance

These SOPs describe how to ensure that laboratory equipment and instrumentation are in working order. These procedures include calibration procedures and schedules, maintenance procedures and schedules, maintenance logs, service arrangements for all equipment, and spare parts available in-house. Calibration and maintenance of laboratory equipment and instrumentation are in accordance with manufacturers' specifications or applicable test specifications.

## 8.0 INTERNAL QUALITY CONTROL CHECKS

### 8.1 Laboratory Quality Control Samples

The data acquired from QC procedures are used to estimate the quality of analytical data, to determine the need for corrective action in response to identified deficiencies, and to interpret results after corrective action procedures are implemented. Each method SOP includes a QC section, which addresses the minimum QC requirements for the procedure. The internal QC checks may differ slightly for each individual procedure but in general are described below. The acceptance limits and corrective actions for these QC checks are described in Section 12 and 13 of this Manual.

- a) Method Blanks are performed at a frequency of one per batch of samples per matrix type per sample extraction or preparation test method. The results of these samples are used to determine batch acceptance.
- b) Laboratory Control Sample (QC Check Sample) are analyzed at a minimum of 1 per batch of 20 or fewer samples per matrix type per sample extraction or preparation method except for analytes for which spiking solutions are not available such as total suspended solids, total dissolved solids, total volatile solids, total solids, pH, color, odor, temperature, dissolved oxygen or turbidity. The results of these samples are used to determine batch acceptance.
- c) Matrix Spikes (MS) are performed at a frequency of one in 20 samples per matrix type per sample extraction or preparation method except for analytes for which spiking solutions are not available such as, total suspended solids, total dissolved solids, total volatile solids, total solids, pH, color, odor, temperature, dissolved oxygen or turbidity. The sample(s) selected for spiking are rotated among received samples so that various matrix problems may be noted and/or addressed. Poor performance in a matrix spike generally indicates a problem with the sample composition, and not the laboratory analysis, and is reported to assist in data assessment.
- d) Surrogates - Surrogate compounds are added to all samples, standards, and blanks for all organic chromatography test methods except when the matrix precludes its use or when a surrogate is not available. Poor surrogate recovery generally indicates a problem with the sample composition and is reported to assist in data assessment.
- e) Spike Components - In general, all reportable components are in the spike mixes. However, in cases where the components interfere with accurate assessment (such as simultaneously spiking chlordane, toxaphene and PCBs in Method 608), the test method has an extremely long list of components (such as Methods 8270 or 6010) or components are incompatible, a representative number (10%) of the listed components are used. The selected components of each spiking mix represent all chemistries, elution patterns and masses and permit specified analytes and other client requested components. All reported components are used in the spike mixture within a two-year time period, and no one

component or components dominates the spike mixture.

f) Matrix Spike Duplicates (MSD) or Laboratory Duplicates are analyzed at a minimum of 1 in 20 samples per matrix type per sample extraction or preparation test method. The selected sample(s) are rotated among received samples so that various matrix problems may be noted and/or addressed. Poor performance in the duplicates generally indicates a problem with the sample composition and is reported to assist in data assessment.

## 8.2 Detection Limits

For analytes for which spiking is a viable option, detection limits are determined by a Method Detection Limit (MDL) study as described in by 40 CFR Part 136, Appendix B. The method detection limit is initially determined for the compounds of interest in each method in laboratory pure reagent water or Ottawa sand.

An MDL study is not performed for any component for which spiking solutions are not available such as total suspended solids, total dissolved solids, total volatile solids, total solids, pH, color, odor, temperature dissolved oxygen or turbidity. For these types of analytes, the detection limit is based on the signal to noise ratio from the analysis of a QC check sample or calibration standard.

A Reporting Limit is established by multiplying the MDL or other detection level times 3.14 and rounding to the nearest 1, 2, or 5.

## 8.3 Selectivity

a) Absolute and relative retention times aid in the identification of components in chromatographic analyses and help evaluate the effectiveness of a column to separate constituents. Acceptance criteria for retention time windows are documented in each method SOP.

b) A confirmation is performed to verify a compound identification when positive results are detected on a sample from a location that has not been previously tested. Such confirmations are performed on organic tests except when the analysis involves the use of a mass spectrometer.

c) Acceptance criteria for mass spectral tuning are contained in SOPs.

## 8.4 Demonstration of Method Capability

Prior to acceptance and use of any method, satisfactory initial demonstration of method performance is required. This initial demonstration of method performance is performed each time there is a significant change in instrument type, personnel or test method. The process is described in Appendix B. A Certification Statement is completed for each

analyst documenting that this activity has been performed. A copy of this statement is found in Appendix C.

## **9.0 DATA REDUCTION, REVIEW, REPORTING AND RECORDS**

### **9.1 Data Reduction and Review**

Data resulting from the analyses of samples is reduced according to protocols described in the laboratory SOPs. Computer programs used for data reduction are validated before use and verified regularly by manual calculations. All information used in the calculations (e.g., raw data, calibration files, tuning records, results of standard additions, interference check results, sample response, and blank or background-correction protocols) is recorded in order to enable reconstruction of the final result at a later date. Information on the preparation of the sample (e.g., weight or volume of sample used, percent dry weight for solids, extract volume, dilution factor used) is maintained in order to enable reconstruction of the final result at a later date.

Data is reviewed by a second analyst or supervisor according to laboratory procedures to ensure that calculations are correct and to detect transcription errors. Spot checks are performed on computer calculations to verify program validity. Errors detected in the review process are referred to the analyst(s) for corrective action.

As described in Section 12.0, the results of all quality control sample analyses are reviewed, and evaluated before data are reported.

### **9.2 Report Format and Contents**

The results of each test, or series of tests are normally reported in a report and include all the information necessary for the interpretation of the results.

- a) each report typically includes:
- 1) the title "Certificate of Analysis";
  - 2) name and address of laboratory, and phone number with name of contact person;
  - 3) a unique identification number and the total number of pages, with all pages sequentially numbered;
  - 4) name and address of client;
  - 5) description and unambiguous identification of the sample(s) including the client identification code;
  - 6) identification of results for any sample that did not meet sample acceptance requirements;
  - 7) date of receipt of sample, date and time of sample collection, and time of sample preparation and/or analysis if the required holding time for either activity is less than or equal to 48 hours;
  - 8) identification of the test method used;

- 9) if the laboratory collected the sample, reference to sampling procedure;
- 10) any deviations from, additions to or exclusions from SOPs, and any conditions that may have affected the quality of results, and including the use and definitions of data qualifiers;
- 11) measurements, examinations and derived results, supported by tables, graphs, sketches and photographs as appropriate, and any failures identified; identification of whether data are calculated on a dry weight or wet weight basis; identification of the reporting units such as  $\mu\text{g/l}$  or  $\text{mg/kg}$ ;
- 12) clear identification of all test data provided by outside sources, such as subcontracted laboratories, clients, etc.; and
- 13) clear identification of numerical results with values below the Reporting Limit

Exceptions to this standard approach for reporting are allowed with approval of the Vice President, Operations and are documented.

Material amendments to a test report after issue are made only in the form of a further document, or data transfer including the statement "Supplement to Test Report, identification number."

Clients are notified promptly, in writing, of any event such as the identification of defective measuring or test equipment that casts doubt on the validity of results given in any test report or amendment to a report.

Test results are certified to meet all requirements of the NELAC standards, or reasons are provided if they do not.

### **9.3 Records**

Records provide the direct evidence and support for the necessary technical interpretations, judgments, and discussions concerning laboratory results. These records, particularly those that are anticipated to be used as evidentiary data, provide the historical evidence needed for later reviews and analyses. Records should be legible, identifiable, and retrievable, and protected against damage, deterioration, or loss. All records referenced in this section are retained for a minimum of ten years.

Laboratory records generally consist of bound notebooks with pre-numbered pages, personnel qualification and training forms, equipment maintenance and calibration forms, chain-of-custody forms, sample analysis request forms, and analytical change request forms. All records are recorded in indelible ink and retained for five years. Records that are stored or generated by computers or personal computers (PCs) have hard copy or write-protected backup copies.

Any documentation errors are corrected by drawing a single line through the error so that it remains legible and is initialed by the responsible individual, along with the date of change. The correction is written adjacent to the error. Strip-chart recorder printouts are signed by the person who performed the instrumental analysis. If corrections need to be made in

computerized data, a system parallel to the corrections for handwritten data is used.

If any change is made to any record it needs to be signed or initialed by the responsible individual, along with the reason for the change "per customer", "sampled by", "reviewed by".

Laboratory records include the following:

Standard Operating Procedures -- Any revisions to laboratory procedures are written, dated, and distributed to all affected individuals to ensure implementation of changes.

Equipment Maintenance Documentation -- Documents detailing the receipt and specification of analytical equipment are retained. A history of the maintenance record of each system serves as an indication of the adequacy of maintenance schedules and parts inventory. As appropriate, the maintenance guidelines of the equipment manufacturer are followed. When maintenance is necessary, it is documented in either standard forms or in logbooks.

Calibration Records & Traceability of Standards/Reagents -- The frequency, conditions, standards, and records reflecting the calibration history of a measurement system are recorded.

Sample Management -- A record of all procedures to which a sample is subjected while in the possession of the laboratory is maintained. These include records pertaining to:

- a) Sample preservation including appropriateness of sample container and compliance with holding time requirement;
- b) Sample identification, receipt, acceptance or rejection and log-in;
- c) Sample storage and tracking including shipping receipts, transmittal forms, and internal routing and assignment records;
- d) Disposal of hazardous samples including the date of sample or subsample disposal and name of the responsible person;
- e) Automated sample handling systems.

Original Data -- The raw data and calculated results for all samples are maintained in laboratory notebooks, logs, bench sheets, files or other sample tracking or data entry forms. Instrumental output is stored in a computer file or a hard copy report. These records include:

- a) Laboratory sample ID code;
- b) Date of analysis;
- c) Instrumentation identification and instrument operating conditions/parameters;
- d) Analysis type and sample preparation information, including sample aliquots processed, cleanup, and separation protocols;
- e) All manual, automated, or statistical calculations;
- f) Confirmatory analysis data, when required to be performed;
- g) Review history of sample data; and

f) Analyst's or operator's initials/signature.

QC Data -- The raw data and calculated results for all QC samples and standards are maintained in the manner described in the preceding paragraph. Documentation allows correlation of sample results with associated QC data. Documentation also includes the source and lot numbers of standards for traceability. QC samples include, but are not limited to, control samples, method blanks, matrix spikes, and matrix spike duplicates.

Correspondence -- Correspondence pertinent to a project is kept and placed in the project files.

Deviations -- All deviations from SOPs. Deviations are reviewed and approved by the QA Officer or Technical Director.

Final Report -- A copy of any report issued and any supporting documentation.

Administrative Records -- The following are maintained:

- a) Personnel qualifications, experience and training records;
- b) Initial and continuing demonstration of proficiency for each analyst; and
- c) A log of names, initials and signatures for all individuals who are responsible for signing or initialing any laboratory record.

#### **9.4 Document Control System**

A document control system is used to ensure that all staff has access to current policies and procedures at all times. Documents, which are managed by this system, include this Quality Manual and all SOP's. The system consists of a document review, revision and approval system, and, document control and distribution.

All quality documents (this Manual, SOPs, policies, etc.) are reviewed and approved by the QA Coordinator, the Laboratory Manager and the Vice President, Operations. Such documents are revised whenever the activity described changes significantly. All documents are reviewed at least every 5 years.

The QA Coordinator controls all quality documents. Controlled copies are provided to individuals in the laboratory who need copies. The QA Coordinator maintains a distribution list for controlled copies and ensures that any revisions are distributed appropriately.

#### **9.5 Confidentiality**

All laboratory results and associated raw data are kept in confidence to the customer who requested the analyses. Access to laboratory records and LIMS data is limited to laboratory personnel except with the permission of the QA Coordinator or Vice President, Operations. NELAP-related records are made available to authorized accrediting authority personnel.

Where clients require transmission of test results by telephone, telex, facsimile or other electronic or electromagnetic means, staff will ensure confidentiality is preserved.

## **10.0 PERFORMANCE AND SYSTEM AUDITS AND FREQUENCY**

### **10.1 Internal Laboratory Audits**

Annual internal audits are performed to verify that laboratory operations continue to comply with the requirements of the quality system. Audits are performed by the Quality Control Coordinator. Where the audit findings cast doubt on the correctness or validity of the laboratory's results, an immediate corrective action is initiated and any client whose work may have been affected is notified.

The internal system audits include an examination of laboratory documentation on sample receiving, sample log-in, sample storage, chain-of-custody procedures, sample preparation and analysis, instrument operating records and Certificate of Analysis.

### **10.2 Managerial Review**

At least once per year, laboratory management conducts a review of the quality system to ensure its continuing suitability and effectiveness and to introduce any necessary changes or improvements in the quality system and laboratory operations. The review takes account of reports from managerial and supervisory personnel, the outcome of recent internal audits, assessments by external bodies, the results of proficiency tests, any changes in the volume and type of work undertaken, feedback from clients, corrective actions and other relevant factors.

## **11.0 FACILITIES, EQUIPMENT, REAGENTS, AND PREVENTATIVE MAINTENANCE**

### **11.1 Equipment and Reference Materials**

Records are maintained for major equipment and all reference materials significant to the tests performed. These records include documentation on routine and non-routine maintenance activities and reference material verifications.

The records include:

- 1) the name of the equipment;
- 2) the manufacturer's name, type identification, and serial number or other unique identification;
- 3) date received and date placed in service (if available);
- 4) current location, where appropriate;
- 5) if available, condition when received (e.g. new, used, reconditioned);
- 6) copy of the manufacturer's instructions, where available;
- 7) dates and results of calibrations;
- 8) details of maintenance carried out to date and planned for the future; and
- 9) history of any damage, malfunction, modification or repair.

Glassware Cleaning - Glassware is cleaned to meet the sensitivity of the method. Any cleaning and storage procedures that are not specified by the method are documented in laboratory records and SOPs.

### **11.2 Documentation and Labeling of Standards and Reagents**

Records are kept for all standards, including the manufacturer/vendor, the manufacturer's Certificate of Analysis or purity (if supplied), the date of receipt, recommended storage conditions, and an expiration date after which the material is not used unless it is verified.

Original containers provided by the vendor are labeled with an expiration date or a date of receipt.

Detailed records are maintained on reagent and standard preparation. These records indicate traceability to purchased stocks or neat compounds, reference to the method of preparation, date of preparation, expiration date and initials of the individual preparing the standard or reagent.

All containers of prepared reagents and standards bear a unique identifier and expiration date and are linked to the documentation requirements above.

- 1) Reagents - In methods where the purity of reagents is not specified, analytical reagent grade shall be used. Reagents of lesser purity than those specified by the method are not to be used. The labels on the container are checked to verify that the purity of the reagents meets the requirements of the particular method. Such information is documented.

2) Water - The quality of reagent water sources is monitored and documented to meet method specified requirements.

### **11.3 Computers and Electronic Data Related Requirements**

Where computers or automated equipment are used for the capture, processing, manipulation, recording, reporting, storage or retrieval of test data:

- Section 8.1 through 8.11 of the EPA Document "2185 - Good Automated Laboratory Practices" (1995), is used as the standard.
- computer software is documented to be adequate for use;
- procedures are established and implemented for protecting the integrity of data;
- computer and automated equipment are maintained to ensure proper functioning;
- appropriate procedures are used for the maintenance of security of data including the prevention of unauthorized access to, and the unauthorized amendment of, computer records.

### **11.4 Preventative Maintenance**

A routine preventative maintenance program is used to minimize the occurrence of instrument failure and other system malfunctions. Designated laboratory employees regularly perform routine scheduled maintenance and repair of instruments, where applicable. All maintenance that is performed is documented in the laboratory's operating record. All laboratory instruments are maintained in accordance with manufacturer's specifications.

### **11.5 Inspection/Acceptance Requirements for Supplies and Consumables**

Labels indicating the following information on receipt and testing are to be used for critical supplies and consumables.

- Unique identification number (if not clearly shown).
- Date received.
- Date opened.
- Date tested (if performed).
- Date to be retested (if applicable).
- Expiration date.

## **12.0 SPECIFIC ROUTINE PROCEDURES USED TO EVALUATE DATA QUALITY**

Quality control acceptance criteria are used to determine the validity of the data based on the analysis of internal quality control check (QC) samples (see Section 8.0). The specific QC samples and acceptance criteria are found in the laboratory SOPs. Typically, acceptance criteria are taken from published EPA methods. Where no EPA criteria exist, laboratory generated acceptance criteria are established. Acceptance criteria for accuracy (bias) are based on the historical mean recovery plus or minus three standard deviation units, and acceptance criteria for precision range from zero (no difference between duplicate control samples) to the historical mean relative percent difference plus three standard deviation units, where applicable to the specific test method.

Analytical data generated with QC samples that fall within prescribed acceptance criteria indicate the laboratory was in control. Data generated with QC samples that fall outside the established acceptance criteria indicate the laboratory was "out-of-control" for the failing tests. These data are considered suspect and the corresponding samples are reanalyzed or reported with qualifiers.

Many published EPA methods do not contain recommended acceptance criteria for QC sample results. In these situations, RIAL uses 70 - 130% as interim acceptance criteria for recoveries of spiked analytes, until in-house limits are developed. In-house limits are based on a 95% confidence interval and must include a minimum of 10 data points.

### **12.1 Laboratory Control Samples**

A laboratory control sample (LCS) is analyzed with each batch of 20 samples to verify that the accuracy of the analytical process is within the expected performance of the method. The results of the laboratory control sample are compared to acceptance criteria to determine usability of the data. Data generated with LCS samples that fall outside the established acceptance criteria are judged to be out-of-control. These data are considered suspect and the corresponding samples are reanalyzed or reported with qualifiers.

### **12.2 Matrix Spikes/Matrix Spike Duplicates**

Results from MS/MSD analyses are primarily designed to assess data quality in a given matrix, and not laboratory performance. In general, if the LCS results are within acceptance criteria, performance problems with MS/MSD results may either be related to the specific sample matrix or to an inappropriate choice of extraction, cleanup, or determinative methods. If any individual percent recovery in the matrix spike (or matrix spike duplicate) falls outside the designated acceptance criteria, RIAL will determine if the poor recovery is related to a matrix effect or a laboratory performance problem. A matrix effect is indicated if the LCS data are within acceptance criteria but the matrix spike data exceed the acceptance criteria.

### **12.3 Surrogate Recoveries**

Surrogates are exclusively used in organic analyses. Surrogate recovery data from individual samples are compared to surrogate recovery acceptance criteria in the methods. As for MS/MSD results, surrogate recoveries are used primarily to evaluate data quality and not laboratory performance.

### **12.4 Method Blanks**

Method blank analyses are used to assess acceptance of sample results. The source of contamination is investigated and measures taken to correct, minimize or eliminate the problem if:

- the blank contamination exceeds a concentration greater than 1/10 of the measured concentration of any sample in the associated sample batch or
- the blank contamination exceeds the concentration present in the samples and is greater than 1/10 of the specified regulatory limit.

Each sample in the affected batch is assessed against the above criteria to determine if the sample results are acceptable. Any sample associated with the contaminated blank is reprocessed for analysis or the results reported with appropriate data qualifying codes.

### 13.0 CORRECTIVE ACTION

Corrective action is the process of identifying, recommending, approving and implementing measures to counter unacceptable procedures or out of control QC performance that can affect data quality. To the extent possible, samples are reported only if all quality control measures are acceptable. If a quality control measure is found to be out of control, and the data is to be reported, all samples associated with the failed quality control measure are reported with the appropriate data qualifier(s). Sample results may also be qualified when holding times are not met, improper sample containers and/or preservatives or used or when other deviations from laboratory standard practices and procedures occur.

Corrective action in the laboratory may occur prior to, during and after initial analyses. A number of conditions such as broken sample containers, multiple phases, low/high pH readings, and potentially high concentration samples may be identified during sample log-in or just prior to analysis. The SOPs specify conditions during or after analysis that may automatically trigger corrective action or optional procedures. These conditions may include dilution of samples, additional sample extract cleanup, and automatic reinjection/reanalysis when certain QC criteria are not met.

Any QC sample result outside of acceptance limits requires corrective action. Once the problem has been identified and addressed, corrective action may include the reanalysis of samples, or appropriately qualifying the results.

The analyst will identify the need for corrective action. Laboratory Manager will approve the required corrective action to be implemented by the laboratory staff. The QC Coordinator will ensure implementation and documentation of the corrective action.

Corrective actions are performed prior to release of the data from the laboratory. The corrective action will be documented in both a corrective action log (signed by analyst, the Laboratory Manager, and QC Coordinator), and the narrative in data report.

Where a complaint, or any other circumstance, raises doubt concerning the laboratory's compliance with the laboratory's policies or procedures, or with the quality of the laboratory's tests, the laboratory shall ensure that those areas of activity and responsibility involved are promptly audited. Records of the complaint and subsequent actions are maintained.

All client and internal Corrective Actions Requests (C.A.R.) are logged in to the C.A.R. log located on the computer network and hard copy in the QA/QC Office. There is an individual identification number assigned to new C.A.R. The C.A.R. request is given to the Lab Manager for an inquiry and response. Upon review and completion of the C.A.R. request by the Lab Manager a response is given to the QA/QC Coordinator. The QA/QC Coordinator issues a formal letter to the customer addressing the C.A.R. issue. A follow up is conducted with the Lab Manager.

## **14 SUBCONTRACTING AND SUPPORT SERVICES AND SUPPLIES**

### **14.1 Subcontracting Laboratory Services**

Clients are advised if any analyses will be subcontracted to another laboratory. Any subcontracted work is placed with another NELAC accredited laboratory for the tests to be performed. The following records of all subcontracted analyses are maintained:

- a copy of the subcontracted laboratory's scope of accreditation
- a copy of the report from the subcontracted laboratory
- the notice to the client.

### **14.2 Outside Support Services and Supplies**

RIAL only uses those outside support services and supplies that are of adequate quality to sustain confidence in the laboratory's tests. Records of all suppliers for support services or supplies required for tests are maintained.

## 15.0 REFERENCES

NELAC Standards, July 1999\*

Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans, QAMS-005/80, December 29, 1980, Office of Monitoring Systems and Quality Assurance, ORD, U.S. EPA, Washington, DC 20460.

RCRA QAPP Instructions, U. S. EPA Region 5, Revision: April 1998\*

ASTM D-5283-92. Generation of Environmental Data Related to Waste Management Activities: Quality assurance and Quality Control Planning and Implementation

“American National Standards Specification and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs (ANSI/ASQC E-4)”, 1994

EPA 2185 - Good Automated Laboratory Practices, 1995\*

ISO/IEC Guide 25: 1990. General requirements for the competence of calibration and testing laboratories

QA/R-2: EPA Requirements for Quality Management Plans, August, 1994\*

QA/G-4: Guidance for the Data Quality Objectives Process EPA/600/R-96/055, September 1994\*

QA/R-5: EPA Requirements for Quality Assurance Project Plans Draft - November 1997\*

QA/G-5: Guidance on Quality Assurance Project Plans EPA/600/R-98/018, February 1998\*

QA/G-6: Guidance for the Preparation of Standard Operating Procedures for Quality-Related Operations EPA/600/R-96/027, November 1995\*

QA/G-9: Guidance for the Data Quality Assessment: Practical Methods for Data Analysis EPA/600/R-96/084, January, 1998\*

Manual for the Certification of Laboratories Analyzing Drinking Water EPA/570/9-90/008\*

**APPENDIX A: CERTIFICATION STATEMENT**

**NELAC CERTIFICATION STATEMENT**

The applicant understands and acknowledges that RI Analytical Laboratories, Inc. is required to be continually in compliance with the National Environmental Laboratory Accreditation Conference (NELAC) standards and shall be subject to the penalty provisions provided therein.

I hereby certify that I am authorized to sign this application on behalf of the applicant/owner and that there are no misrepresentations in my answer to the questions on this application.

RI Analytical Laboratories, Inc.

_____ Signature Laboratory Manager	_____ Name	_____ Date
_____ Signature Quality Control Coordinator	_____ Name	_____ Date
_____ Signature Vice President, Operations	_____ Name	_____ Date

## **APPENDIX B: INITIAL DEMONSTRATION OF CAPABILITY**

A demonstration of capability (DOC) is made prior to using any test method, and at any time there is a significant change in instrument type, personnel or test method.

All demonstrations are documented through the use of the form in this appendix.

The following steps are performed.

- a) A quality control sample is obtained from an outside source. If not available, the QC sample is prepared by the laboratory using stock standards that are prepared independently from those used in instrument calibration.
- b) The analyte(s) are diluted in a volume of clean matrix sufficient to prepare four aliquots at the concentration specified, or if unspecified, to a concentration approximately 10 times the laboratory-calculated detection limit.
- c) Four aliquots are prepared and analyzed according to the test method either concurrently or over a period of days.
- d) Using all of the results, the mean recovery and the standard deviation is calculated for each parameter of interest.
- e) The calculated mean and standard deviation are compared to the corresponding acceptance criteria for precision and accuracy in the test method (if applicable) or in laboratory-generated acceptance criteria (if there are not established mandatory criteria). If all parameters meet the acceptance criteria, the analysis of actual samples may begin. If any one of the parameters does not meet the acceptance criteria, the performance is unacceptable for that parameter.
- f) When one or more of the tested parameters fail at least one of the acceptance criteria, the laboratory repeats the test for all parameters that failed to meet criteria. If repeated failure occurs, the laboratory will locate and correct the source of the problem and repeat the test for all compounds of interest beginning with c).

### **CERTIFICATION STATEMENT**

The following certification statement is used to document the completion of each demonstration of capability. A copy of the certification statement is retained in the personnel records of each affected employee.

**APPENDIX C: CERTIFICATION STATEMENT FOR METHOD VALIDATION**

**INITIAL DEMONSTRATION OF CAPABILITY CERTIFICATION STATEMENT**

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

**RI Analytical Laboratories, Inc.**  
**41 Illinois Ave.**  
**Warwick, RI 02888**

Analyst Name: \_\_\_\_\_

Matrix:            \_\_Laboratory pure reagent water            \_\_Ottawa sand

Method and Analyte: \_\_\_\_\_

We, the undersigned, CERTIFY that:

1. The analyst identified above, using the cited test method, which is in use at this facility for the analyses of samples under the National Environmental Laboratory Accreditation Program, have met the Initial Demonstration of Capability.
2. The test method was performed by the analyst identified on this certification.
3. A copy of the laboratory-specific SOPs is available for all personnel on-site.
4. The data associated with the initial demonstration capability are true, accurate, complete and self-explanatory (1).
5. All raw data (including a copy of this certification form) necessary to reconstruct and validate these analyses have been retained at the facility, and, the associated information is well organized and available for review by authorized inspectors.

\_\_\_\_\_  
Laboratory Manager's Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Quality Control Coordinator Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

(1)True: Consistent with supporting data.

Accurate: Based on good laboratory practices consistent with sound scientific principles/practices.

Complete: Includes the results of all supporting performance testing.

Self-explanatory: Data properly labeled and stored so that the results are clear and require no additional explanation.

**Supplemental Appendices**

## **APPENDIX D**

### **GUIDANCE FOR THE PREPARATION OF STANDARD OPERATING PROCEDURES (SOPs)**

#### **Title Page**

The first page of each SOP should be a title page having the following information: a title that clearly identifies the activity or procedure, the name of the laboratory, and the date and signatures of those individuals who prepared and approved the SOP.

#### **Table of Contents**

A Table of Contents is needed only if the SOP is longer than ten pages.

#### **Control Documentation**

Each page of the SOP should have control documentation, as illustrated below, generally in the upper right hand corner. A short title can identify the activity covered by the SOP and serve as a reference designation. The revision number and date are useful in identifying the SOP in use when reviewing historical data. The user can also quickly check if the SOP is complete when the number of pages is indicated. Suggested control documentation format:

Short Title  
Rev. #: 0  
Date: July 1995  
Page 1 of 6

#### **Text**

The text of an SOP should be clearly worded so as to be readily understandable by a person knowledgeable with the general concept of the procedure. The procedures should be written in a step-by-step (cookbook) format that clearly describes the steps in chronological order. Use the active voice and present verb tense. The term "you" should not be used, but implied.

An SOP can reference other SOPs. In such a case, cite the other SOP or attach a copy.

#### **Checklists**

Many activities use checklists to ensure that steps are followed in order. Checklists also document completed actions. Any checklists or forms that are included as part of an activity should be referenced at the points in the procedure where they are used; blank and completed copies of the checklists should be attached to the SOP.

In some cases, detailed checklists are prepared specifically for a given activity, as for an inspection. In those cases, the SOP should describe, at least generally, how the checklist is to be prepared, or on what it is to be based. Copies of specific checklists are then maintained in the file with the activity results and/ or with the SOP. Remember that the checklist is not an SOP, but a part of one.

## **Types of SOPs**

An SOP may be written for a repetitive administrative procedure as well as for a technical activity. Examples are: QA procedures for conducting assessments; equipment use; maintenance and calibration; and, collection of samples. General guidance for preparing both Technical and Administrative SOPs follow.

## **Suggested Format for a Technical SOP**

### **Procedural Section:**

After the title page, the following are topics that may be appropriate for inclusion in a technical SOP:

- Scope & Applicability,
- Summary,
- Definitions (acronyms, abbreviations and specialized forms used in the SOP),
- Health & Safety Warnings (indicating operations that could result in personal injury or loss of life and explaining what will happen if the procedure is not followed or is followed incorrectly; listed here and at the critical steps in the procedure),
- Cautions (indicating activities that could result in equipment damage, degradation of sample or possible invalidation of results; listed here and at the critical steps in the procedure),
- Interferences,
- Personnel Qualifications,
- Apparatus & Materials (list or specify; note also designated locations where found),
- Instrument or Method Calibration,
- Sample Collection,
- Handling & Preservation,
- Sample Preparation and Analysis,
- Troubleshooting,
- Data Acquisition, Calculations & Data Reduction,
- Computer Hardware & Software (used to manipulate analytical results and report data), and
- Data Management & Records Management

### **Quality Control and Quality Assurance Section**

QC activities are designed to allow self- verification of the quality and consistency of the work. Describe the preparation of appropriate QC procedures (self-checks, such as calibration) and QC material (such as blanks - rinsate/trip/field/method, replicates, splits and spiked samples, and performance evaluation samples) that are required to successfully demonstrate performance of the method. Specific criteria for each should be included. Describe the frequency of required calibration and QC checks and discuss the rationale for decisions. Describe the limits/criteria for QC data/results and actions required when QC data exceed QC limits or appear in the warning zone. Describe the procedures for reporting QC data/results.

Specify and describe any QA procedures that are integral parts of the activity, including performance audits, outside audits or reviews, or other activities. These can be referenced from the organization's QMP. Specify who or what organization is responsible for each QA activity, where or how QA materials are to be procured and/or verified. Assign responsibility for taking corrective action, based on the results of the QA activities.

### **Reference Section**

Documents or procedures that interface with the SOP should be fully referenced (including version), such as related SOPs and published literature or methods manuals. Citations cannot substitute for the description of the method being followed in the organization. Fully cite all references noted in the body of the SOP and attach any that are not readily available.

### **Suggested Format for an Administrative SOP**

When auditing, reviewing, and/or inspecting the work of others, the SOP needs to include a number of specific steps aimed at making initial contact with the subject of the activity, coordinating the activity, and reporting. An SOP for a general activity (e. g., a management systems review or laboratory audit) should be covered by SOP guidance tailored to that activity. The SOP guidance should fit within the framework presented here, but can be modified, reduced, or expanded.

### **Procedural Section**

The following are topics that may be appropriate for inclusion in an administrative SOP:

- Title,
- Purpose,
- Applicability,
- Summary of Procedure,
- Definitions,
- Personnel Qualifications, and
- Procedure.

Audits or assessment SOPs should specify the authority for the assessment, how targets of the audits are to be selected, what will be done with the results, and who is responsible for corrective action.

### **Quality Control and Quality Assurance Section**

Describe any control steps and provisions for review or oversight prior to acceptance of the product or deliverable. This can include test plans such as verification and validation plans for software.

### **Reference Section**

Cite all references noted in the body of the SOP. A copy of any cited references not readily

available should be attached to the SOP.

### List of SOPs

Preparation, Approval, Distribution, and Revision of Standard Operation Procedures  
Sample Receiving, Acceptance, Preservation, and Handling  
Log-in  
Corrective Action  
Document Control  
Internal Laboratory Data Review  
Logbook Maintenance, Utilization, and Review  
D.I. Water Quality Checks  
Analytical Balance Calibration and Checks  
Thermometer Calibration  
Oven, Refrigerator, and Freezer Temperature Checks  
Customer Complaints  
Internal Audits  
Reviewing New Work  
Quality in Purchasing  
External Laboratory Records Storage and Retrieval  
Internal Laboratory Records Storage and Retrieval  
Use of the LIMS Training Log (GALP related)  
Logging a Sample Into LIMS (GALP related)  
Scheduling and Updating Sample Status in LIMS (GALP related)  
Manual Data Entry into LIMS (GALP related)  
LIMS and Chem-Server Maintenance (GALP related)  
Retention and Back-up of LIMS Raw Data on Other Electronic Media (GALP related)  
Glassware Cleaning  
Standard Naming of Compounds (LIMS related)  
Sample Bottle Cleaning and Preparation  
Protection of Client Confidential Information & Proprietary Rights  
Testing of Proficiency Test Samples  
Management System Reviews (MSR)  
Nonconformity  
Taking Representative Samples & Sub-samples in the Laboratory  
Waste Disposal SOP's  
Sample Acceptance & Rejection

**APPENDIX E**  
**Environmental Monitoring Management Council**  
**Format for Analytical Methods**

In accordance with EMMC format, each analytical method must contain 17 specific topical sections in a designated order. All of these sections are mandatory for all methods.

- 1.0 Scope and Application
- 2.0 Summary of Method
- 3.0 Definitions
- 4.0 Interferences
- 5.0 Safety
- 6.0 Equipment and Supplies
- 7.0 Reagents and Standards
- 8.0 Sample Collection, Preservation, and Storage
- 9.0 Quality Control
- 10.0 Calibration and Standardization
- 11.0 Procedure
- 12.0 Data Analysis and Calculations
- 13.0 Method Performance
- 14.0 Pollution Prevention
- 15.0 Waste Management
- 16.0 References
- 17.0 Tables, Diagrams, Flowcharts, and Validation Data

<b>NELAC</b>	<b>EMMC Section</b>
<b>1) identification of the test method</b>	<b>1.0</b>
<b>2) applicable matrix or matrices</b>	<b>1.0</b>
<b>3) method detection limit</b>	<b>1.0/17.0</b>
<b>4) scope and application, including components to be analyzed</b>	<b>1.0</b>
<b>5) summary of the test method</b>	<b>2.0</b>
<b>6) definitions</b>	<b>3.0</b>
<b>7) interferences</b>	<b>4.0</b>
<b>8) safety</b>	<b>5.0</b>
<b>9) equipment and supplies</b>	<b>6.0</b>
<b>10) reagents and standards</b>	<b>7.0</b>
<b>11) sample collection, preservation, shipment and storage</b>	<b>8.0</b>
<b>12) quality control</b>	<b>9.0</b>
<b>13) calibration and standardization</b>	<b>10.0</b>
<b>14) procedure</b>	<b>11.0</b>
<b>15) calculations</b>	<b>12.0</b>
<b>16) method performance</b>	<b>13.0</b>
<b>17) pollution prevention</b>	<b>14.0</b>
<b>18) data assessment and acceptance criteria for quality control measures</b>	<b>9.0</b>
<b>19) corrective actions for out-of-control data</b>	<b>9.0</b>
<b>20) contingencies for handling out-of-control or unacceptable data</b>	<b>9.0</b>
<b>21) waste management</b>	<b>15.0</b>
<b>22) references</b>	<b>16.0</b>
<b>23) tables, diagrams, flowcharts and validation data</b>	<b>17.0</b>

**1.0 Scope and application**

This section outlines the purpose, range, limitations, and intended use of the method, and identifies target analytes.

1.1 Define the purpose and intended use of the method. State what the method is based upon, noting any relationship of the method to other existing analytical methods. Indicate whether the method is associated with a sampling method.

1.2 List analytes that can be measured by the method, including each analyte's Chemical Abstracts Service Registry Number (CASRN). If regulations cite other than the most commonly used analyte name, refer to the regulation. For pesticides, use "acceptable common names." The use of registered trade names is permitted.

1.3 Identify the matrix(ces) for which the method has been found satisfactory.

1.4 Indicate the statistically determined method detection limit (MDL) and the analyte concentration range over which the method is applicable. State the matrix(ces) in which MDL was determined. If the MDL is not available, report an instrumental detection limit and define how it was derived.

1.5 Describe method limitations, such as "This method is not applicable to saline water," or "This method is not intended for determination of metals at concentrations normally found in treated and untreated discharges from industrial facilities." Indicate any means of recognizing cases where the method may not be applicable to the sample under test.

1.6 List any restrictions that may apply, such as "This method is restricted to use by or under the supervision of analysts experienced in . . ."

1.7 Include the following statement: "Each laboratory that uses this method must demonstrate the ability to generate acceptable results using the procedure in Section 9.1.2."

## **2.0 Summary of method**

This section provides an overview of the method procedure and quality assurance.

2.1 Outline, specifying amounts of sample and reagent, the procedure that is followed to determine the presence or absence of the listed analytes. Include any sample pretreatment, such as filtration or digestion. In this description, identify the basic steps involved in performing the method, but omit the details that are a necessary part of the complete statement of procedure.

2.1.1 For chemical methods, state the type of procedure (colorimetric, electrometric, volumetric, etc.) and describe the source of color, major chemical reaction, including pertinent chemical equations, etc. For instrumental methods, state the technique.

2.1.2 In the "Summary of Method" section, use the passive voice, e.g., "Instrumental drift is corrected by using internal standardization," rather than "Correct instrumental drift by using internal standardization."

2.2 Identify the determinative step in the method.

2.3 State in a summary fashion how quality is assured in the method.

2.4 List options to the method, if applicable.

## **3.0 Definitions**

This section includes definitions of terms, acronyms, and abbreviations used in the method. If preferred, definitions may be provided in a glossary at the end of the method or manual. In this case, the definitions section must still appear in the method, with a notation that definitions are provided in a glossary at the end of the method. Refer to the specific section number of the glossary.

3.1 Include an introductory statement as follows: "The definitions and purposes below are specific to this method, but have been conformed to common usage as much as possible."

3.2 List units of weight and measure and their abbreviations or acronyms used in the method.

3.3 Alphabetically list and define terms, acronyms, and abbreviations used in the method. Where appropriate, include the purpose (e.g., The purpose of the field blank is to determine if the field or sample transporting procedures and environments have contaminated the sample).

3.4 Include definitions of the terms may, may not, must, and should, as follows:

3.4.1 May: This action, activity, or procedural step is neither required nor prohibited.

3.4.2 May not: This action, activity, or procedural step is prohibited.

3.4.3 Must: This action, activity, or procedural step is required.

3.4.4 Shall: This action, activity, or procedural step is required.

3.4.5 Should: This action, activity, or procedural step is suggested but not required.

#### **4.0 Interferences**

This section identifies known or potential interferences that may occur during use of the method, and describes ways to reduce or eliminate interferences.

4.1 Describe any known or potential problem(s) (e.g., sample or equipment contamination, instrument noise) that may be encountered during the performance of the method and the source of the problem(s). Recommend techniques to avoid or minimize the problem(s) (e.g., ways to reduce sample or equipment contamination, or instrument noise).

4.2 Identify any substances, ions, or properties that are known to or likely to cause interference and the amounts that are known to or likely to interfere. Sometimes, this information can be obtained only by observation during the analysis. In such cases, include appropriate notes under "Procedure" or "Data Analysis and Calculations."

#### **5.0 Safety**

This section describes special precautions needed to ensure personnel safety during the performance of the method. Procedures described here should be limited to those which are above and beyond good laboratory practices. The section must contain information regarding specific toxicity of analytes or reagents.

5.1 Identify and warn analysts of potential hazards associated with using the method (e.g., toxicity or carcinogenicity of analytes or reagents, explosions, fire, radiation). Recommend techniques to minimize hazards where possible (e.g., performing operations in a hood or glove box).

5.2 Where the toxicity or carcinogenicity of each compound or reagent has not been precisely determined, include the following statement: "The toxicity or carcinogenicity of each analyte or reagent has not been precisely determined; however, each chemical should be treated as a potential health hazard. Exposure to these chemicals should be reduced to the lowest possible level. It is suggested that the laboratory perform personal hygiene monitoring of each analyst using this method and that the results of this monitoring be made available to the analyst."

5.3 Indicate the steps in the procedure at which hazards that could damage equipment may occur by use of the word CAUTION in boldface type, followed by the details of the precautionary measures that must be

taken. If any step in the procedure could result in personal injury or death, include the word **WARNING** in boldface type, followed by the details of the protective measures that must be taken.

5.4 Include the following statements: "This method does not address all safety issues associated with its use. The laboratory is responsible for maintaining a safe work environment and a current awareness file of OSHA regulations regarding the safe handling of the chemicals specified in this method. A reference file of material safety data sheets (MSDS) is available to all personnel involved in these analyses. Additional information on laboratory safety can be found in References \_\_\_\_."

## **6.0 Equipment and supplies**

This section lists and describes all nonconsumable supplies and equipment needed to perform the method.

6.1 Include the following statement as a note preceding the list of equipment and supplies: "Note: Brand names, suppliers, and part numbers are cited for illustrative purposes only. No endorsement is implied. Equivalent performance may be achieved using equipment and materials other than those specified here, but demonstration of equivalent performance that meets the requirements of this method is the responsibility of the laboratory."

6.2 Categorize and list required equipment and supplies by the logical order of use; e.g., sampling equipment, equipment for glassware cleaning, equipment for calibration, equipment for sample extraction, etc. Do not list common laboratory equipment, but do include special or modified forms of unusual sizes or numbers of common equipment that are required or that may require special preparation.

6.3 Describe the essential features of each required item. Include schematic drawings as needed to clarify or supplement apparatus descriptions.

6.4 Avoid the use of trademarks, brand names, trade names, or suppliers unless a specific manufacturer's product is required for a well-defined reason or the availability of the product is limited (i.e., the apparatus is unique or unusual). For example, when special types of glassware are required, such as heat-resistant, chemical-resistant, etc., state the significant characteristic desired rather than a trademark ("borosilicate glass" rather than Pyrex or Kimax). If only a single source is known, that supplier may be identified.

6.5 Whenever a brand name is used, include "or equivalent" following the brand name or part number to demonstrate that use of another product is acceptable.

6.6 Include any special glassware cleaning instructions.

6.7 List special facilities required, such as a special room for handling hazardous materials.

## **7.0 Reagents and standards**

This section lists and describes all reagents and standards required to perform the method, and provides preparation instructions and/or suggested suppliers as appropriate.

7.1 List the name of the reagent and the necessary purity, followed by any descriptive terms. List reagents in a logical order (e.g., by order of occurrence or use, by group). The method should require that reagents be ACS Reagent Grade unless otherwise specified.

7.2 Spell out the full name of inorganic reagents when first used, and include within parentheses the exact chemical formula, showing its water of crystallization, etc. Subsequently, refer to inorganic compounds by formula if they can be specified clearly in this way. As exceptions, always spell out the word "water" and the names of substances in their elemental state (e.g., "lead" not "Pb," "oxygen" not "O<sub>2</sub>").

7.3 Spell out organic, organometallic, or complex inorganic compounds; chemical formulae are not necessary. Cite the CASRN to avoid ambiguity.

7.4 Avoid the use of trademarks and names of patented products. Use chemical names and common names, unless a specific product is required for a well-defined reason. The use of registered trade names is permitted.

7.5 Unique and unusual reagents can be named by brand. Whenever a brand name is used, include "or equivalent" following the brand name to demonstrate that another product can be used.

7.6 Specify the concentration of inorganic reagents in applicable terms, as follows:

Concentrated acids and bases      density

Dilute acids and bases      volume ratio,  $x + y$  ( $x$  volume of reagent added to  $y$  volume by water)

Nonstandardized solutions      normality, expressed decimally; or the equivalent of 1 mL of solution in terms of grams of a given element expressed as 1 mL =  $x.xx$  g of . . .

7.7 Specify filter paper by describing the significant characteristic such as porosity, rate of filtering ash content, etc., or by reference to ASTM Specification D1100 for *Filter Paper for Use in Chemical Analysis*.

## 8.0 Sample collection, preservation, and storage

This section provides requirements and instructions for collecting, preserving, and storing samples.

8.1 Give detailed directions for collecting, filtering (if applicable), preserving, shipping, and storing samples.

8.2 Use preservation procedures and holding times consistent with those specified in current EPA publications or regulations and with other methods for the same analytes.

## 9.0 Quality Control

This section cites the procedures and analyses required to fully document the quality of data generated by the method. The required components of the laboratory's quality assurance (QA) program and specific quality control (QC) analyses are described in this section. For each QC analysis, the complete analytical procedure, the frequency of required analyses, and interpretation of results are specified.

9.1 Include the following statements in the first subsection (Section 9.1): "Each laboratory that uses this method is required to operate a formal quality assurance program (Reference \_\_\_\_). The minimum requirements of this program consist of an initial demonstration of laboratory capability, ongoing analyses of standards and blanks as a test of continued performance, and [complete as appropriate to the method]. Laboratory performance is compared to established performance criteria to determine if the results of analyses meet the performance characteristics of the method."

"The analyst shall make an initial demonstration of the ability to generate acceptable accuracy and precision with this method. This ability is established as described in Section 9.2."

9.2 In Section 9.1, cite any options that the analyst is permitted, e.g., alternate extraction, concentration, or cleanup procedures; changes in columns or detectors. Specify that the analyst is required to repeat the required initial demonstration of laboratory capability each time a modification is made to the method.

Include the following statements:

"Each time a modification is made to the method, the analyst is required to repeat the procedure in Section 9.2. If the change will affect the detection limit of the method, the laboratory is required to demonstrate that the MDL (40 CFR part 136, Appendix B) is lower than the MDL for that analyte in this method, or one-third the regulatory compliance level, whichever is higher. If the change will affect calibration, the analyst must recalibrate the instrument according to Section 10.";

“Changes that degrade method performance are not allowed. If an analytical technique other than the techniques specified in this method is used, that technique must have a specificity equal to or better than the specificity of the techniques in this method for the analytes of interest.”; and  
“The laboratory is required to maintain records of modifications made to this method. These records include the following, at a minimum:

- The names, titles, addresses, and telephone numbers of the analyst(s) who performed the analyses and modification, and of the quality control officer who witnessed and will verify the analyses and modification.
- A listing of analytes measured, by name and CASRN.
- A narrative stating reason(s) for the modification(s).
- Results from all QC tests comparing the modified method to this method, including:
  - (a) Calibration (Section 10)
  - (b) Calibration verification (Section 9.5)
  - (c) Initial precision and recovery (Section 9.2.2)
  - (d) Analysis of blanks (Section 9.4)
  - (e) Accuracy assessment (Section 9.3)
  - (f) Ongoing precision and recovery (Section 9.6)
- Data that will allow an independent reviewer to validate each determination by tracing the instrument output (weight or other signal) to the final result. These data are to include:
  - (a) Sample numbers and other identifiers
  - (b) Extraction dates
  - (c) Analysis dates and times
  - (d) Analysis sequence/run chronology
  - (e) Sample weight or volume
  - (f) Extract volume
  - (g) Make and model of analytical balance and weights traceable to NIST
  - (h) Copies of logbooks, printer tapes, and other recordings of raw data
  - (i) Data system outputs, and other data to link the raw data to the results reported”

9.3 In the remainder of Section 9.1, outline the QC requirements that will be described in the section, and the purpose for each type of QC (e.g., blanks, matrix spikes/matrix spike duplicates, calibration verification).

9.4 In Section 9.2, describe in detail the initial demonstration of laboratory capability.

9.5 Describe the procedure for matrix spikes, calculating percent recoveries, and calculating relative percent difference for duplicates.

9.6 Provide instructions for analysis of blanks, e.g., laboratory reagent blanks, method blanks.

9.7 Specify requirements for calibration verification.

9.8 Provide instructions for analysis of ongoing precision and recovery standards.

9.9 Include requirements for analysis of quality control samples (QCS).

9.10 Include the following statement at the end of Section 9.0: “Depending upon specific program requirements, field replicates and field spikes of the analytes of interest into samples may be required to assess the precision and accuracy of the sampling and sample transporting techniques.”

## 10.0 Calibration and standardization

This section describes the method/instrument calibration and standardization process, and required calibration verification. Corrective actions are described for cases when performance specifications are not met.

10.1 Specify operating conditions or refer to manufacturer's recommended operating conditions. If appropriate, specify a precalibration routine as needed to document instrument stability.

10.2 Give detailed instructions for the use of standards to prepare calibration lines or tables. Include the number of calibration standards, the need for blanks, the frequency of calibration checks, the critical range, etc.

10.3 Give detailed instructions for internal standardization, including number and concentration of internal standards.

10.4 Include instructions for calibration data storage.

## **11.0 Procedure**

This section describes the sample processing and instrumental analysis steps of the method, and provides detailed instructions to analysts.

11.1 For methods used for determination of a method-defined analyte, include the following statement in the introductory portion of Section 11.0 Procedure: "This method is entirely empirical. Acceptable results can be obtained only by strict adherence to all details." Do not include this statement in methods for which the analyte is a chemical or physical parameter, the characteristics of which are known (e.g., oil and grease, COD, BOD).

11.2 Include in proper sequence detailed directions for performing the analysis.

11.2.1 Include steps that are essential to the process and avoid unnecessarily restrictive instructions.

11.2.2 Organize the procedure by logical order of activity, e.g., sample preparation, extraction, analysis.

11.2.3 Describe the procedure in the imperative mood, present tense, e.g., "Heat the sample aliquot," rather than "The sample aliquot should be heated." Comments and descriptive information that are not in the imperative mood may be included, as appropriate.

11.2.4 Write the text so that it is concise and easily understandable.

11.2.5 When alternative procedures are given, state which is preferred.

11.3 In chemical methods, specify the size of sample aliquot and indicate the required measurement accuracy. (There is no need to weigh a sample to five significant figures in a spectrophotometric method where the final absorbance measurement yields data with only three significant figures).

11.4 Include "Notes" throughout the procedure to highlight critical points. Include notes of "WARNING" or "CAUTION" as appropriate to identify known or potential hazards to the analyst or the equipment, respectively.

11.5 Indicate steps in which timing is critical, e.g., if a determination may not be interrupted overnight. For a color reaction, indicate how long the color is stable.

## **12.0 Data analysis and calculations**

This section provides instructions for analyzing data, and equations and definitions of constants used to calculate final sample analysis results.

12.1 Calculations—Provide directions for calculating the results of the analysis, including any equations.

12.1.1 Use the imperative mood, e.g., "Report results to three significant figures," rather than "Results should be reported to three significant figures."

12.1.2 Where there may be ambiguity of meaning, spell out names in the text (e.g., total Kjeldahl nitrogen) but use the abbreviations (e.g., TKN) in text where the meaning is clear, and in equations.

12.1.3 Define the symbols used in the equation immediately under the equation.

12.1.4 Use numerical values for any constants. Identify dilution factors, titration factors, etc.

12.2 Reporting results

12.2.1 Indicate the units in which the results are to be reported (e.g.,  $\mu\text{g/L}$ ,  $\text{mg/kg}$ ).

12.2.2 If the sample is a solid material such as a sediment or sludge, indicate whether results are to be reported as wet weight or dry weight.

12.2.3 Specify the number of significant figures to be reported.

12.2.4 Require that all values obtained by various QC procedures are reported along with the calculated results of the analysis.

12.3 Interpretation of results—Use this heading in place of Calculations when the results of the analysis must be expressed in descriptive form, relative terms, or abstract values. List and define the descriptive terms or classifications used.

### 13.0 Method performance

This section provides method performance criteria for the method, including precision/bias statements regarding detection limits and source/limitations of data produced using the method.

13.1 Explain how the method was validated. Provide a detailed description of method performance, including data on precision, bias, detection limits (including the method by which they were determined and matrices to which they apply), and statistical procedures used to develop performance specifications.

*Note: This information can be provided through reference to the method validation study.*

13.2 At a minimum, state single-operator precision and accuracy on reagent water. If other sample types have been investigated, also provide this information for them.

13.3 If a collaborative study has been completed, describe the study and report the number of participating operators and laboratories, spike concentrations, level of replication, types of background waters, and any other significant aspects. If the study has been documented, cite the study report and include it in the References section. When citing reference documentation, the details of the study do not have to be included in this section.

### 14.0 Pollution prevention

This section describes aspects of the method that minimize or prevent pollution known to be or potentially attributable to the method.

14.1 Cite potential sources of pollution attributable to the method.

14.2 Recommend ways to minimize pollution.

## 15.0 Waste management

This section describes minimization and proper disposal of waste and samples.

15.1 Include the following statement as the first subsection: "It is the laboratory's responsibility to comply with all federal, state, and local regulations governing waste management, particularly the hazardous waste identification rules and land disposal restrictions, and to protect the air, water, and land by minimizing and controlling all releases from fume hoods and bench operations. Compliance with all sewage discharge permits and regulations is also required."

15.2 Provide instructions for sample and waste handling and disposal.

15.3 Include the following statement as the last subsection: "For further information on waste management, consult *The Waste Management Manual for Laboratory Personnel* and *Less is Better: Laboratory Chemical Management for Waste Reduction*, both available from the American Chemical Society's Department of Government Relations and Science Policy, 1155 16th Street N.W., Washington DC, 20036."

## 16.0 References

This section lists references for source documents and publications that contain ancillary information.

*Note: Each method should be a free-standing document, providing all information necessary for the method user to perform the method may be found. References within a method should be restricted to associated or source material. Procedural steps or instructions should not be referenced as being found elsewhere, but should be included in total within the method.*

16.1 Include references for other, related EPA methods; and published studies/articles relating to method performance, techniques, or analytes, and health and safety.

16.2 List references in the order cited in the method, and assign each reference an identification number using Arabic numerals.

16.3 As a rule, do not list documents that are not readily accessible to the reader (e.g., unpublished theses, personal communications, private correspondence). If it is important to list these types of documents, identify where the reader may obtain a copy of the document.

## 17.0 Tables, diagrams, flowcharts, and validation data

This section contains all method tables and figures (diagrams and flowcharts), and may contain validation data referenced in the body of the method.

17.1 In addition to tables and figures, include additional useful information. Examples of such information include:

17.1.1 Notes on significance and interpretation of the method, used to amplify the statement in the text.

17.1.2 Development of equations used in the calculations.

17.1.3 Charts or supplementary information for computations.

## 18.0 Glossary

This optional section contains a glossary of terms, acronyms, abbreviations, and symbols used in the method.

*Note: This information may appear in the Definitions section of the method (Section 3.0) or may be included in a glossary at the end of the method.*

18.1 In the first subsection of the glossary, identify units of weight and measure used in the method and their abbreviations.

18.2 In the second subsection, define key terms and all acronyms used in the method.

18.2.1 List terms, acronyms, and abbreviations alphabetically.

18.2.2 Definitions should appear only once. Where an acronym or abbreviation represents a term that is defined under its full name, reference the full name as the definition for acronym or abbreviation.

## APPENDIX F

# CODE OF ETHICS

RI Analytical Laboratories, Inc. is committed to ensuring the integrity of its data and meeting the quality needs of its clients. We pledge to manage our business according to the following principles:

- To produce results that are technically sound and legally defensible;
- To assert competency only for work for which adequate equipment and personnel are available;
- To present services in a confidential, honest, and forthright manner;
- To have a clear understanding with the client as to the extent and kind of services to be rendered;
- To provide employees with guidelines and an understanding of the ethical and quality standards required in this industry;
- To operate facilities in a manner that protects the environment and the health and safety of employees and the public;
- To obey all pertinent federal, state, and local laws and regulations;
- To continually improve product and service quality;
- To treat employees equitably, acknowledge their scientific contributions, and provide them with opportunities for professional growth and development;
- To recognize and respond to community concerns; and
- To deal openly, honestly, and fairly in all business and financial matters with employees, clients and the public.





**BUREAU  
VERITAS**

## **APPENIDIX D**

# **ENVIRONMENTAL DATA RESOURCES REPORT**



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**10 Executive Boulevard  
10 Executive Boulevard  
Farmingdale, NY 11735**

**Inquiry Number: 1592165.2s**

**January 13, 2006**

## **The Standard in Environmental Risk Management Information**

**440 Wheelers Farms Road  
Milford, Connecticut 06461**

### **Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)**

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

10 EXECUTIVE BOULEVARD  
FARMINGDALE, NY 11735

#### COORDINATES

Latitude (North): 40.719200 - 40° 43' 9.1"  
Longitude (West): 73.427800 - 73° 25' 40.1"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 632790.1  
UTM Y (Meters): 4508563.5  
Elevation: 61 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 40073-F4 AMITYVILLE, NY  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
ANTECH DIAGNOSTICS 10 EXECUTIVE BLVD FARMINGDALE, NY 11735	RCRA-SQG FINDS	NYR000012138

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### FEDERAL RECORDS

Proposed NPL..... Proposed National Priority List Sites  
Delisted NPL..... National Priority List Deletions  
NPL Liens..... Federal Superfund Liens

## EXECUTIVE SUMMARY

RCRA-TSDF.....	Resource Conservation and Recovery Act Information
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
US BROWNFIELDS.....	A Listing of Brownfields Sites
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS INSP.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS.....	Section 7 Tracking Systems
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
RAATS.....	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
SWF/LF.....	Facility Register
SWRCY.....	Registered Recycling Facility List
SWTIRE.....	Registered Waste Tire Storage & Facility List
CBS UST.....	Chemical Bulk Storage Database
MOSF UST.....	Major Oil Storage Facilities Database
CBS AST.....	Chemical Bulk Storage Database
MOSF AST.....	Major Oil Storage Facilities Database
ENG CONTROLS.....	Registry of Engineering Controls
INST CONTROL.....	Registry of Institutional Controls
VCP.....	Voluntary Cleanup Agreements
DRYCLEANERS.....	Registered Drycleaners
Brownfields.....	Brownfields Site List
SPDES.....	State Pollutant Discharge Elimination System
AIRS.....	Air Emissions Data

### TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
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### EDR PROPRIETARY RECORDS

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
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### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### FEDERAL RECORDS

**NPL:** Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/14/2005 has revealed that there are 2 NPL sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PREFERRED PLATING CORP.</i>	<i>32 ALLEN BLVD</i>	<i>1/4 - 1/2 SSE 0</i>		<i>6</i>
<i>LIBERTY INDUSTRIAL FINISHING</i>	<i>55 MOTOR PARKWAY</i>	<i>1/2 - 1 WNW 0</i>		<i>13</i>

**CERCLIS:** The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 09/19/2005 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PREFERRED PLATING CORP.</i>	<i>32 ALLEN BLVD</i>	<i>1/4 - 1/2 SSE 0</i>		<i>6</i>

**CERCLIS-NFRAP:** As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 08/22/2005 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>FARMINGDALE ORG. MAINT. SHOP #</i>	<i>25 BAITING PLACE ROAD</i>	<i>1/4 - 1/2 SSE 41</i>		<i>113</i>

**CORRACTS:** CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 10/13/2005 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>POLYCOM HUNTSMAN INC.</i>	<i>100 ADAMS BOULEVARD</i>	<i>1/2 - 1 ESE 57</i>		<i>151</i>

## EXECUTIVE SUMMARY

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 10/14/2005 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>DEL PHARMACEUTICALS INCORPORAT</i>	<i>565 BROAD HOLLOW ROAD</i>	<i>0 - 1/8 ESE</i>	<i>D14</i>	<i>36</i>

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 10/14/2005 has revealed that there are 12 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>EXECUTIVE AUTOPARTS DIST CO IN</i>	<i>40 EXECUTIVE DR</i>	<i>0 - 1/8 WSW</i>	<i>A3</i>	<i>25</i>
<i>LONG ISLAND WOODWORKING INC</i>	<i>44 EXECUTIVE BLVD</i>	<i>0 - 1/8 W</i>	<i>A4</i>	<i>25</i>
<i>CRIS-RAY PRINTING CORP</i>	<i>50 EXECUTIVE BLVD</i>	<i>0 - 1/8 W</i>	<i>B7</i>	<i>26</i>
<i>ENZOLABS INC</i>	<i>60 EXECUTIVE BLVD</i>	<i>0 - 1/8 W</i>	<i>C15</i>	<i>65</i>
<i>ENZOLABS INC</i>	<i>60 EXECUTIVE BLVD</i>	<i>0 - 1/8 W</i>	<i>C16</i>	<i>66</i>
<i>PRIVATE LABEL BRAND DISTRIBUTO</i>	<i>81 EXECUTIVE BLVD</i>	<i>0 - 1/8 NW</i>	<i>E18</i>	<i>68</i>
<i>FANTASTIC BOOKS INC</i>	<i>707 BROADHOLLOW RD STE</i>	<i>1/8 - 1/4 NE</i>	<i>21</i>	<i>70</i>
<i>B &amp; G INDUSTRIES INC</i>	<i>121 EXECUTIVE BLVD</i>	<i>1/8 - 1/4 N</i>	<i>23</i>	<i>71</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>I J WHITE</i>	<i>20 EXECUTIVE BLVD</i>	<i>0 - 1/8 SE</i>	<i>5</i>	<i>26</i>
<i>AMCO PLASTIC MATERIALS INC</i>	<i>595 BROADHOLLOW RD</i>	<i>1/8 - 1/4 SE</i>	<i>20</i>	<i>70</i>
<i>CAREFREE LIVIN HOME ACCESSORIE</i>	<i>168 BROADHOLLOW ROAD RO</i>	<i>1/8 - 1/4 SSE</i>	<i>25</i>	<i>73</i>
<i>LEATHER CRAFTSMEN INC</i>	<i>51 CAROLYN BLVD</i>	<i>1/8 - 1/4 ESE</i>	<i>F27</i>	<i>76</i>

## EXECUTIVE SUMMARY

**CONSENT:** Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/14/2004 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LIBERTY INDUSTRIAL FINISHING</i>	<i>55 MOTOR PARKWAY</i>	<i>1/2 - 1 WNW 0</i>		<i>13</i>

**RODS:** Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, has revealed that there are 2 ROD sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PREFERRED PLATING CORP.</i>	<i>32 ALLEN BLVD</i>	<i>1/4 - 1/2 SSE 0</i>		<i>6</i>
<i>LIBERTY INDUSTRIAL FINISHING</i>	<i>55 MOTOR PARKWAY</i>	<i>1/2 - 1 WNW 0</i>		<i>13</i>

### STATE AND LOCAL RECORDS

**SHWS:** The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, has revealed that there are 3 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PREFERRED PLATING CORP.</i>	<i>32 ALLEN BLVD</i>	<i>1/4 - 1/2 SSE 0</i>		<i>6</i>
<i>LIBERTY INDUSTRIAL FINISHING</i>	<i>55 MOTOR PARKWAY</i>	<i>1/2 - 1 WNW 0</i>		<i>13</i>
<i>FARMINGDALE PLAZA CLEANERS</i>	<i>480 MAIN STREET</i>	<i>1/2 - 1 WNW 58</i>		<i>155</i>

**DEL SHWS:** A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the DEL SHWS list, as provided by EDR, and dated 05/16/2005 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LOUIS SORRENTINO PROPERTY</i>		<i>1/2 - 1 SE</i>	<i>56</i>	<i>149</i>

## EXECUTIVE SUMMARY

**LTANKS:**Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 11/08/2005 has revealed that there are 28 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>RANT INTERNATIONAL</b> Date Closed: / /	51 EXECUTIVE BLVD	0 - 1/8 W	B8	27
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DEL PHARMACEUTICALS INCORPORAT</b> Date Closed: 07/20/87	565 BROAD HOLLOW ROAD	0 - 1/8 ESE	D14	36
<b>EAST MEMORIAL FARM SD</b> Date Closed: 01/09/91	MILL LANE	1/8 - 1/4 SW	26	74
<b>EAST MEMORIAL E S</b> Date Closed: 08/13/96	25 MILL LANE	1/8 - 1/4 SW	29	77
<b>FEDERICO RESIDENCE</b> Date Closed: 02/25/94	2 CARLE LANE	1/4 - 1/2 WSW	31	80
<b>WHOLESALE TIRE</b> Date Closed: 11/27/91	68 ALLEN BLVD	1/4 - 1/2 SE	G32	82
<b>ALLEN MOTOR LINES</b> Date Closed: 01/19/89	68 ALLEN BLVD	1/4 - 1/2 SE	G33	86
<b>NEW LEHIGH CORRUGATED PRODUCTS</b> Date Closed: 02/03/87	41 DANIEL STREET	1/4 - 1/2 SW	H34	89
<b>DANIEL REALTY</b> Date Closed: 10/15/98	40 DANIEL STREET	1/4 - 1/2 SW	H35	95
<b>HUB TRUCK RENTAL CORP</b> Date Closed: / /	81 ALLEN BLVD	1/4 - 1/2 SE	36	98
<b>CARBON STEEL CO</b> Date Closed: 01/20/87	270 BROADHOLLOW ROAD	1/4 - 1/2 S	I37	104
<b>COZY CORPORATION</b> Date Closed: 11/03/03	200 ROUTE 110 UNIT 1	1/4 - 1/2 S	I38	106
<b>Not reported</b> Date Closed: / /	100 ALLEN BLVD	1/4 - 1/2 SE	39	108
<b>VENDELIN RUBEC RESIDENCE</b> Date Closed: 06/29/95	1 A HAZEL AVENUE	1/4 - 1/2 WNW	40	111
<b>MCGUIRE RESIDENCE</b> Date Closed: 09/14/95	3 MILL ROAD	1/4 - 1/2 SW	J42	114
<b>ED MCGUIRE RESIDENCE</b> Date Closed: 03/16/95	3 MILL ROAD	1/4 - 1/2 SW	J43	116
<b>ROLLIN DAIRY CORP</b> Date Closed: 07/12/00	118 ALLEN BLVD	1/4 - 1/2 SE	44	118
<b>SUNDIAL FRAGRANCES</b> Date Closed: 04/16/92	200 RTE 110	1/4 - 1/2 S	K45	121
<b>COZY CORP</b> Date Closed: 11/03/03	200 RTE 110	1/4 - 1/2 S	K46	126

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>FARMINGDALE SCHOOL DISTRI</b> Date Closed: 01/09/91	<b>MILL LANE / MILL ROAD</b>	<b>1/4 - 1/2 SW</b>	<b>J47</b>	<b>128</b>
<b>CAIRO QUALITY MANAGEMENT</b> Date Closed: 07/21/04	<b>852 MAIN STREET</b>	<b>1/4 - 1/2 SW</b>	<b>48</b>	<b>130</b>
<b>COUNTY TANK LINES</b> Date Closed: 12/01/88	<b>9 MURRY STREET</b>	<b>1/4 - 1/2NW</b>	<b>49</b>	<b>132</b>
<b>SOUTH FARMINGDALE FIRE</b> Date Closed: 08/13/99	<b>819 SOUTH MAIN STREET</b>	<b>1/4 - 1/2WSW</b>	<b>L50</b>	<b>134</b>
<b>SOUTH FARMINGDALE</b> Date Closed: 01/17/94	<b>819 MAIN STREET</b>	<b>1/4 - 1/2WSW</b>	<b>L51</b>	<b>137</b>
<b>OLD SHELL S/S</b> Date Closed: 03/07/96	<b>141 RTE 110</b>	<b>1/4 - 1/2 S</b>	<b>M52</b>	<b>139</b>
<b>CITCO OIL</b> Date Closed: 02/21/95	<b>141 ROUTE 110</b>	<b>1/4 - 1/2 S</b>	<b>M53</b>	<b>142</b>
<b>TRONIC PLATING COMPANY</b> Date Closed: 04/24/89	<b>37 POTTER STREET</b>	<b>1/4 - 1/2NW</b>	<b>54</b>	<b>144</b>
<b>VACANT INDUSTRIAL BLDG</b> Date Closed: 03/17/98	<b>1100 FULTON STREET</b>	<b>1/4 - 1/2NW</b>	<b>55</b>	<b>147</b>

**HIST LTANKS:** A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 26 HIST LTANKS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DEL PHARMACEUTICALS INCORPORAT</b> Spill Closed Dt: 07/20/87	<b>565 BROAD HOLLOW ROAD</b>	<b>0 - 1/8 ESE</b>	<b>D14</b>	<b>36</b>
<b>EAST MEMORIAL FARM SD</b> Spill Closed Dt: 01/09/91	<b>MILL LANE</b>	<b>1/8 - 1/4 SW</b>	<b>26</b>	<b>74</b>
<b>EAST MEMORIAL E S</b> Spill Closed Dt: 08/13/96	<b>25 MILL LANE</b>	<b>1/8 - 1/4 SW</b>	<b>29</b>	<b>77</b>
<b>FEDERICO RESIDENCE</b> Spill Closed Dt: 02/25/94	<b>2 CARLE LANE</b>	<b>1/4 - 1/2WSW</b>	<b>31</b>	<b>80</b>
<b>WHOLESALE TIRE</b> Spill Closed Dt: 11/27/91	<b>68 ALLEN BLVD</b>	<b>1/4 - 1/2 SE</b>	<b>G32</b>	<b>82</b>
<b>ALLEN MOTOR LINES</b> Spill Closed Dt: 01/19/89	<b>68 ALLEN BLVD</b>	<b>1/4 - 1/2 SE</b>	<b>G33</b>	<b>86</b>
<b>NEW LEHIGH CORRUGATED PRODUCTS</b> Spill Closed Dt: 02/03/87	<b>41 DANIEL STREET</b>	<b>1/4 - 1/2 SW</b>	<b>H34</b>	<b>89</b>
<b>DANIEL REALTY</b> Spill Closed Dt: 10/15/98	<b>40 DANIEL STREET</b>	<b>1/4 - 1/2 SW</b>	<b>H35</b>	<b>95</b>
<b>HUB TRUCK RENTAL CORP</b> Spill Closed Dt: / /	<b>81 ALLEN BLVD</b>	<b>1/4 - 1/2 SE</b>	<b>36</b>	<b>98</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CARBON STEEL CO</b> Spill Closed Dt: 01/20/87	<b>270 BROADHOLLOW ROAD</b>	<b>1/4 - 1/2 S</b>	<b>I37</b>	<b>104</b>
<b>COZY CORPORATION</b> Spill Closed Dt: / /	<b>200 ROUTE 110 UNIT 1</b>	<b>1/4 - 1/2 S</b>	<b>I38</b>	<b>106</b>
<b>Not reported</b> Spill Closed Dt: / /	<b>100 ALLEN BLVD</b>	<b>1/4 - 1/2 SE</b>	<b>39</b>	<b>108</b>
<b>VENDELIN RUBEC RESIDENCE</b> Spill Closed Dt: 06/29/95	<b>1 A HAZEL AVENUE</b>	<b>1/4 - 1/2 WNW 40</b>		<b>111</b>
<b>MCGUIRE RESIDENCE</b> Spill Closed Dt: 09/14/95	<b>3 MILL ROAD</b>	<b>1/4 - 1/2 SW</b>	<b>J42</b>	<b>114</b>
<b>ED MCGUIRE RESIDENCE</b> Spill Closed Dt: 03/16/95	<b>3 MILL ROAD</b>	<b>1/4 - 1/2 SW</b>	<b>J43</b>	<b>116</b>
<b>ROLLIN DAIRY CORP</b> Spill Closed Dt: 07/12/00	<b>118 ALLEN BLVD</b>	<b>1/4 - 1/2 SE</b>	<b>44</b>	<b>118</b>
<b>SUNDIAL FRAGRANCES</b> Spill Closed Dt: 04/16/92	<b>200 RTE 110</b>	<b>1/4 - 1/2 S</b>	<b>K45</b>	<b>121</b>
<b>COZY CORP</b> Spill Closed Dt: / /	<b>200 RTE 110</b>	<b>1/4 - 1/2 S</b>	<b>K46</b>	<b>126</b>
<b>FARMINGDALE SCHOOL DISTRI</b> Spill Closed Dt: 01/09/91	<b>MILL LANE / MILL ROAD</b>	<b>1/4 - 1/2 SW</b>	<b>J47</b>	<b>128</b>
<b>COUNTY TANK LINES</b> Spill Closed Dt: 12/01/88	<b>9 MURRY STREET</b>	<b>1/4 - 1/2 NW</b>	<b>49</b>	<b>132</b>
<b>SOUTH FARMINGDALE FIRE</b> Spill Closed Dt: 08/13/99	<b>819 SOUTH MAIN STREET</b>	<b>1/4 - 1/2 WSW</b>	<b>L50</b>	<b>134</b>
<b>SOUTH FARMINGDALE</b> Spill Closed Dt: 01/17/94	<b>819 MAIN STREET</b>	<b>1/4 - 1/2 WSW</b>	<b>L51</b>	<b>137</b>
<b>OLD SHELL S/S</b> Spill Closed Dt: 03/07/96	<b>141 RTE 110</b>	<b>1/4 - 1/2 S</b>	<b>M52</b>	<b>139</b>
<b>CITCO OIL</b> Spill Closed Dt: 02/21/95	<b>141 ROUTE 110</b>	<b>1/4 - 1/2 S</b>	<b>M53</b>	<b>142</b>
<b>TRONIC PLATING COMPANY</b> Spill Closed Dt: 04/24/89	<b>37 POTTER STREET</b>	<b>1/4 - 1/2 NW</b>	<b>54</b>	<b>144</b>
<b>VACANT INDUSTRIAL BLDG</b> Spill Closed Dt: 03/17/98	<b>1100 FULTON STREET</b>	<b>1/4 - 1/2 NW</b>	<b>55</b>	<b>147</b>

**UST:**The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>FEDERAL MOGUL CORP</b>	<b>40 EXECUTIVE BLVD</b>	<b>0 - 1/8 WSW</b>	<b>A2</b>	<b>24</b>
<b>RAND INTERNATIONAL</b>	<b>51 EXECUTIVE BLVD</b>	<b>0 - 1/8 W</b>	<b>B6</b>	<b>26</b>
<b>T W COMMUNICATION CORP</b>	<b>81 EXECUTIVE BLVD</b>	<b>0 - 1/8 NW</b>	<b>E19</b>	<b>69</b>
<b>WINDSOR INDUSTRIES INC</b>	<b>131 EXECUTIVE BLVD</b>	<b>1/8 - 1/4 N</b>	<b>22</b>	<b>71</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ACCESS SYSTEMS INC	91 EXECUTIVE BLVD	1/8 - 1/4 NW	24	73

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DEL LABORATORIES INC	565 BROADHOLLOW RD	0 - 1/8 ESE	D12	33
H & B AUTO SALES	1430 RTE 27 A MONTAUK H	1/8 - 1/4 ESE	F30	79

**AST:**The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 6 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>ENZOLABS INC</b>	<b>60 EXECUTIVE BLVD</b>	<b>0 - 1/8 W</b>	<b>C15</b>	<b>65</b>
IRIS ELECTRONICS	61 EXECUTIVE BLVD	0 - 1/8 W	C17	67
<b>PRIVATE LABEL BRAND DISTRIBUTO</b>	<b>81 EXECUTIVE BLVD</b>	<b>0 - 1/8 NW</b>	<b>E18</b>	<b>68</b>
<b>T W COMMUNICATION CORP</b>	<b>81 EXECUTIVE BLVD</b>	<b>0 - 1/8 NW</b>	<b>E19</b>	<b>69</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DEL LABORATORIES INC	565 BROADHOLLOW RD	0 - 1/8 ESE	D10	30
YOEL INDUSTRIAL	1 BAITING PLACE RD	1/8 - 1/4 ESE	F28	77

**SPILLS:**Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/08/2005 has revealed that there are 3 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>JFB LITHOGRAPHERS</b> Date Closed: 12/30/99	<b>61 EXECUTIVE DRIVE</b>	<b>0 - 1/8 W</b>	<b>C9</b>	<b>28</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DEL LABS</b> Date Closed: 09/29/95	<b>565 BROADHOLLOW ROAD</b>	<b>0 - 1/8 ESE</b>	<b>D11</b>	<b>31</b>
<b>DEL LAB</b> Date Closed: 11/30/92	<b>565 BROADHOLLOW ROAD</b>	<b>0 - 1/8 ESE</b>	<b>D13</b>	<b>34</b>

**HIST SPILLS:**This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there

## EXECUTIVE SUMMARY

are 3 NY Hist Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>JFB LITHOGRAPHERS</b> Spill Closed Dt: 12/30/99	<b>61 EXECUTIVE DRIVE</b>	<b>0 - 1/8 W</b>	<b>C9</b>	<b>28</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>DEL LABS</b> Spill Closed Dt: 09/29/95	<b>565 BROADHOLLOW ROAD</b>	<b>0 - 1/8 ESE</b>	<b>D11</b>	<b>31</b>
<b>DEL LAB</b> Spill Closed Dt: 11/30/92	<b>565 BROADHOLLOW ROAD</b>	<b>0 - 1/8 ESE</b>	<b>D13</b>	<b>34</b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

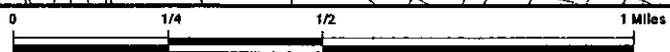
<u>Site Name</u>	<u>Database(s)</u>
LOUIS SORRENTINO PROPERTY	SHWS
FAIRCHILD REPUBLIC	CERCLIS, FINDS
RJN ASSOCIATES; LTD	SWF/LF
FUEL FARM	LTANKS, HIST LTANKS
FAA	LTANKS, HIST LTANKS
JD POSILLICO CO	LTANKS, HIST LTANKS
PORCELANOSA TILE	LTANKS
PORCELANOSA TILE	HIST LTANKS
PRIVATE LABELS DISTRIBUTORS	UST
ACCESS DIRECT SYSTEMS	UST
PEERLESS AEROSPACE FASTENER CO	UST
IRIS ELECTRONICS	UST
WATER DISTRICT PLANT NO. 4	AST
CRIS RAY PRINTING CORP	AST
MOBIL SERVICE STATION	RCRA-SQG, FINDS
NEW YORK TELEPHONE	RCRA-SQG
JAMAR PRINTING INC	RCRA-SQG, FINDS
SANDS SALVAGE CORP	RCRA-SQG, FINDS
FRANKS AUTO BODY	RCRA-SQG, FINDS
STROBER BUILDING SUPPLY	RCRA-SQG, FINDS
TOSCO #34754	RCRA-SQG, FINDS
WONDERBREAD	RCRA-SQG, FINDS
HOME DEPOT THE 1203	RCRA-SQG, FINDS
COZY CORP 79	RCRA-SQG, FINDS
WESTERN SUFFOLK BOCES	RCRA-SQG, FINDS
NYSDOT LOCKHEED REPUBLIC AIRPORT	RCRA-SQG, FINDS
MAXUS PHARMACEUTICALS	RCRA-SQG
MINUTEMAN PRESS	RCRA-SQG
ATLANTIC TOOL & MFG NORTH CORP	RCRA-SQG, FINDS
ACTION ENVELOPE & PRINTING CO INC	RCRA-SQG
110 SAND COMPANY	DEL SHWS
EXXON STATION	NY Spills, NY Hist Spills
ROLLI RETREAD INC	NY Spills, NY Hist Spills
TAONIC PLATING COMPANY	NY Spills, NY Hist Spills
7 UM SOUTH FARMINGDALE SU	NY Spills
REPUBLIC AIRPORT	NY Spills
LITTLE JOSEPH REALTY	NY Spills, NY Hist Spills
LONG ISLAND JET CENTER	NY Spills

# OVERVIEW MAP - 1592165.2s



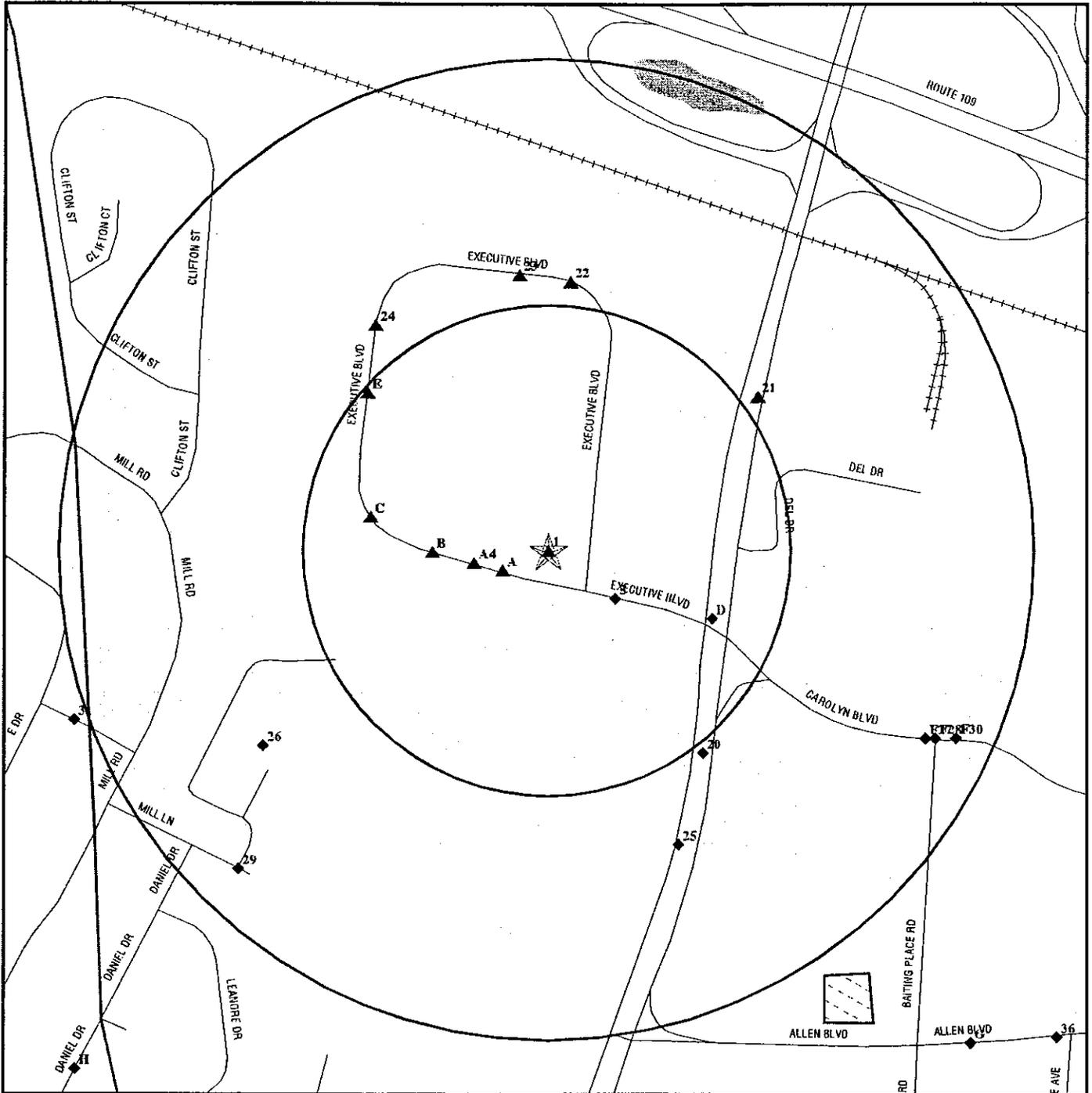
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Federal Wetlands
- State Wetlands



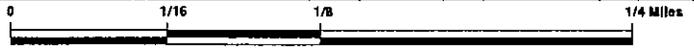
<p>SITE NAME: 10 Executive Boulevard          ADDRESS: 10 Executive Boulevard          Farmingdale NY 11735          LAT/LONG: 40.7192 / 73.4278</p>	<p>CLIENT: Clayton Group Services          CONTACT: Kathryn Wojtal          INQUIRY #: 1592165.2s          DATE: January 13, 2006</p>
--	---

DETAIL MAP - 1592165.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ◆ Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- ▨ Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Federal Wetlands
- State Wetlands



SITE NAME: 10 Executive Boulevard  
 ADDRESS: 10 Executive Boulevard  
 Farmingdale NY 11735  
 LAT/LONG: 40.7192 / 73.4278

CLIENT: Clayton Group Services  
 CONTACT: Kathryn Wojtal  
 INQUIRY #: 1592165.2s  
 DATE: January 13, 2006

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	1	1	NR	2
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	1	NR	NR	1
CERC-NFRAP		0.500	0	0	1	NR	NR	1
CORRACTS		1.000	0	0	0	1	NR	1
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	1	0	NR	NR	NR	1
RCRA Sm. Quan. Gen.	X	0.250	7	5	NR	NR	NR	12
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	1	NR	1
ROD		1.000	0	0	1	1	NR	2
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
HSWDS		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	1	2	NR	3
DEL SHWS		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LTANKS		0.500	2	2	24	NR	NR	28
HIST LTANKS		0.500	1	2	23	NR	NR	26
UST		0.250	4	3	NR	NR	NR	7
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
AST		0.250	5	1	NR	NR	NR	6
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
NY Spills		0.125	3	NR	NR	NR	NR	3



**EDR™** Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Vacant Lot  
29 Brook Street  
New Bedford, MA 02746**

**Inquiry Number: 1162726.2s**

**April 01, 2004**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06460

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

29 BROOK STREET  
NEW BEDFORD, MA 02746

#### COORDINATES

Latitude (North): 41.658200 - 41° 39' 29.5"  
Longitude (West): 70.931700 - 70° 55' 54.1"  
Universal Transverse Mercator: Zone 19  
UTM X (Meters): 339159.9  
UTM Y (Meters): 4613417.0  
Elevation: 52 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 41070-F8 NEW BEDFORD NORTH, MA  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

#### FEDERAL ASTM STANDARD

NPL ..... National Priority List  
Proposed NPL ..... Proposed National Priority List Sites  
CORRACTS ..... Corrective Action Report  
RCRIS-TSD ..... Resource Conservation and Recovery Information System  
RCRIS-LQG ..... Resource Conservation and Recovery Information System  
ERNS ..... Emergency Response Notification System

#### STATE ASTM STANDARD

SWF/LF ..... Solid Waste Facility Database/Transfer Stations

## EXECUTIVE SUMMARY

### FEDERAL ASTM SUPPLEMENTAL

CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
Delisted NPL.....	National Priority List Deletions
FINDS.....	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS.....	Hazardous Materials Information Reporting System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
NPL Liens.....	Federal Superfund Liens
PADS.....	PCB Activity Database System
INDIAN RESERV.....	Indian Reservations
US BROWNFIELDS.....	A Listing of Brownfields Sites
DOD.....	Department of Defense Sites
RAATS.....	RCRA Administrative Action Tracking System
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
FTTS INSP.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

### STATE OR LOCAL ASTM SUPPLEMENTAL

AST.....	Aboveground Storage Tank Database
MA Spills.....	Historical Spill List

### EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas.....	Former Manufactured Gas (Coal Gas) Sites
---------------	--

### BROWNFIELDS DATABASES

US BROWNFIELDS.....	A Listing of Brownfields Sites
---------------------	--------------------------------

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### FEDERAL ASTM STANDARD

**CERCLIS:** The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 11/17/2003 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PAYNE CUTLERY	295 PHILLIPS AVENUE	1/4 - 1/2 NNE	28	38

**CERCLIS-NFRAP:** As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERCLIS-NFRAP list, as provided by EDR, and dated 11/17/2003 has revealed that there is 1 CERCLIS-NFRAP site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALDEN CORRUGATED CONTAINER	ONE CHURCH STREET	1/8 - 1/4 NNW	F25	36

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 01/12/2004 has revealed that there are 7 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
G & E AUTOMOTIVE SERVICE	11 BROOK ST	0 - 1/8 S	1	6
EXECUTIVE AUTO	2359 PURCHASE ST	1/8 - 1/4 NW	B13	24
TIBBETTS ENGINEERING CORP	210 DEANE ST	1/8 - 1/4 NNW	18	30
ISLAND TRANSPORTATION CO INC	1 CHURCH ST	1/8 - 1/4 NNW	F27	38
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
INTERSTATE BRANDS	2185 PURCHASE ST	0 - 1/8 S	4	11

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BROOKS 603	1207 ACUSHNET AVE	1/8 - 1/4 E	21	34
ELITE CLEANSERS	1266 ACUSHNET AVE	1/8 - 1/4 ENE	23	35

### STATE ASTM STANDARD

SHWS: Non Leaking Underground Storage Tank sites within the Releases Database.

A review of the SHWS list, as provided by EDR, has revealed that there are 79 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NO LOCATION AID	2301 PURCHASE ST	0 - 1/8 WSW	2	6
MILL BUILDING WAREHOUSE	419 SAWYER ST	0 - 1/8 SW	A6	13
PROPERTY	79 BROOK ST	0 - 1/8 NNE	7	14
BOILER ROOM AREA	1129 COUNTY ST	1/8 - 1/4 SSW	8	16
NO LOCATION AID	435 SAWYER ST	1/8 - 1/4 SW	11	21
REAR PARKING LOT	14 ADAMS ST	1/8 - 1/4 SSW	17	28
NO LOCATION AID	1 CHURCH ST	1/8 - 1/4 NNW	F24	35
COLLETTE/QUANSETT ST	1 CHURCH ST	1/8 - 1/4 NNW	F26	37
PAYNE CUTLERY	295 PHILLIPS AVENUE	1/4 - 1/2 NNE	28	38
PROPERTY	100 PENNIMAN ST	1/4 - 1/2 SSW	30	43
CUMBERLAND FARMS	1737 ACUSHNET AVE	1/4 - 1/2 NNE	34	49
AMERADA HESS 21516	1783 ACUSHNET AVE	1/2 - 1 NNE	G36	52
DEBROSS OIL CO INC	465 N FRONT ST	1/2 - 1 NNE	H37	54
Not reported	466 NORTH FRONT ST	1/2 - 1 NNE	H39	61
MERIT STATION	1793 ACUSHNET AVE	1/2 - 1 NNE	G40	62
NO LOCATION AID	268 CHURCH ST	1/2 - 1 NNW	41	64
RALPH H CHASE JR	54 MOUNT PLEASANT ST	1/2 - 1 SSW	43	67
LUZO FOOD SERVICE CORP	376 NASH RD	1/2 - 1 N	44	70
SUNOCO XTRAMART	367 ASHLEY BLVD	1/2 - 1 N	47	74
COATERS INCORPORATED	305 NASH ROAD	1/2 - 1 N	J48	75
COATERS INC	305 NASH RD	1/2 - 1 N	J49	80
WEIGEL & SON	282 NASH RD	1/2 - 1 NNE	50	81
CORNER NASH RD	263 BROOK ST	1/2 - 1 N	54	86
PROPERTY	452-460 MT PLEASANT ST	1/2 - 1 WNW	55	87
NO LOCATION AID	413 ASHLEY BLVD	1/2 - 1 N	N61	96
CHRISTIAN TIRE & AUTO CENTER	413 ASHLEY BLVD	1/2 - 1 N	N62	97
NEW BEDFORD ROOFING	169 MT VERNON ST	1/2 - 1 SW	64	101
PO BOX 3096	480 MT PLEASANT ST	1/2 - 1 NW	66	104
SHAWMUT AVE LANDFILL	HATHAWAY RD	1/2 - 1 WSW	69	115
MCCREARY TIRE & AUTO	428 ASHLEY BLVD	1/2 - 1 N	70	116
STAR SEAT COVER INC	78 HATHAWAY RD	1/2 - 1 W	72	118
ADAMS AUTOMOTIVE FMR	953 SHAWMUT AVE	1/2 - 1 W	P73	119
ADAMS AUTOMOTIVE INC	953 SHAWMUT AVE	1/2 - 1 W	P74	120
SUBSTATIONS INTERCEPTORS	HOWARD AVENUE STA	1/2 - 1 NNE	75	124
CHAMBERLAIN MANUFACTURING CORP	117 KING STREET	1/2 - 1 NNW	79	128
NO LOCATION AID	2008 ACUSHNET AVE	1/2 - 1 NNE	R80	131
CUMBERLAND FARMS #2054	2012 ACUSHNET AVE	1/2 - 1 NNE	R81	133
NO LOCATION AID	38 ARLINGTON ST	1/2 - 1 N	82	137
CHAMBERLIN MANUFACTURING	117 KING ST	1/2 - 1 NNW	83	138
SUMMER & LOCUST	39 LOCUST ST	1/2 - 1 S	88	144
NEW BEDFORD LANDFILL CITY OF	1103 SHAWMUT AVENUE	1/2 - 1 WNW	89	145

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MAYHEWS CLEANERS	2076-2072 ACUSHNET AVE	1/2 - 1 NNE 91		149
JCT OF BROOKLAWN AVE	429 CHURCH ST	1/2 - 1 NNW 92		151
FORMER PENSKE TRUCK LEASING CO	1136 SHAWMUT AVE	1/2 - 1 WNW S93		152
NO LOCATION AID	1136 SHAWMUT AVE	1/2 - 1 WNW S94		153
BELL ATLANTIC GARAGE	1166 SHAWMUT AVE	1/2 - 1 WNW 95		155
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERVICE STATION	129 ASHLEY BLVD	1/8 - 1/4ESE C10		18
NO LOCATION AID	116 ASHLEY BLVD	1/8 - 1/4ESE D16		26
CLEAN RENTALS INC	1066 COUNTY ST	1/8 - 1/4SSW E20		32
SALVATION ARMY	1145 ACUSHNET AVE	1/8 - 1/4E 22		34
CORNER OF N FRONT ST	40 BULLARD ST	1/4 - 1/2ENE 29		41
NO LOCATION AID	206-378 BELLEVILLE AVE	1/4 - 1/2E 31		44
MY BREAD BAKERY	229 COFFIN AVE	1/4 - 1/2NE 32		47
NEW BEDFORD HARBOR NPL SITE	103 SAWYER ST	1/4 - 1/2E 33		48
PROPERTY	5 HICKS ST	1/2 - 1 SE 35		51
FAIRHAVEN MILLS	94 SAWYER ST	1/2 - 1 E 38		59
NO LOCATION AID	122-132 FRONT ST	1/2 - 1 SE 42		66
B&S REALTY	100 NORTH FRONT ST	1/2 - 1 SE 145		71
REVERE COPPER	100 NORTH FRONT ST	1/2 - 1 SE 146		72
FAIRHAVEN MILLS REALTY CORP	85 COGGESHALL ST	1/2 - 1 ESE 51		83
LEONARDS WHARF	84 FRONT ST	1/2 - 1 SE K53		85
JUSTIN CLOTHING CO/NATCO	61 NORTH FRONT ST	1/2 - 1 SE 56		88
SHELL STATION	45 COGGESHALL ST	1/2 - 1 ESE L57		89
NO LOCATION AID	45 COGGESHALL ST	1/2 - 1 ESE L58		91
GIUSTI BAKERY	1707 PURCHASE ST	1/2 - 1 SSE M59		92
INTERSECTION WITH HAZARD ST	1707 PURCHASE ST	1/2 - 1 SSE M60		94
JOHN T NISSEN BAKING CO	1707 PURCHASE ST	1/2 - 1 SSE M63		100
NO LOCATION AID	41 COFFIN AVE	1/2 - 1 ENE 65		103
REVERE COPPER PRODUCTS INC	24 N FRONT ST	1/2 - 1 SSE O67		107
DELKEN CO	16 FRONT ST	1/2 - 1 SSE O68		112
BLDG 19	19 HATHAWAY ST	1/2 - 1 NE 71		117
TRANSAMERICA SPINNING MILLS	1 COFFIN AVE	1/2 - 1 ENE 76		125
RYDER TRANSPORATION SERVICES	730 ACUSHNET AVE	1/2 - 1 SSE Q77		126
RYDER TRUCK RENTAL	730 ACUSHNET AVE	1/2 - 1 SSE Q78		127
CLIFTEX CORP	194 RIVERSIDE AVE	1/2 - 1 NE 84		139
RIO PLAZA	30-34 HOWLAND RD	1/2 - 1 E 85		141
NO LOCATION AID	10 MANOMET ST	1/2 - 1 NE 86		142
MAINLINE TIRE & RECYCLING	680 ACUSHNET AVE	1/2 - 1 SSE 87		143
MOES ALIGNMENT	36 HOWLAND ST	1/2 - 1 E 90		148

LUST: Sites within the Releases Database that have a UST listed as its source.

A review of the LUST list, as provided by EDR, and dated 02/06/2004 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PROPERTY	79 BROOK ST	0 - 1/8 NNE 7		14
REAR PARKING LOT	14 ADAMS ST	1/8 - 1/4SSW 17		28
CUMBERLAND FARMS	1737 ACUSHNET AVE	1/4 - 1/2NNE 34		49
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERVICE STATION	129 ASHLEY BLVD	1/8 - 1/4ESE C10		18

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NO LOCATION AID	116 ASHLEY BLVD	1/8 - 1/4 ESE	D16	26
CLEAN RENTALS INC	1066 COUNTY ST	1/8 - 1/4 SSW	E20	32
NO LOCATION AID	206-378 BELLEVILLE AVE	1/4 - 1/2 E	31	44

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's Summary Listing of all the Tanks Registered in the State of Massachusetts.

A review of the UST list, as provided by EDR, and dated 01/05/2004 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
COSTA & SONS SERVICE STATION I	397 SAWYER ST	0 - 1/8 SSW	3	8
MINIT MAN AUTO WASH	2351 PURCHASE ST	1/8 - 1/4 NW	B9	17
GLENN HARTE	2359 PURCHASE ST	1/8 - 1/4 NW	B14	24

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
INTERSTATE BRANDS	2185 PURCHASE ST	0 - 1/8 S	4	11
SHELL SERVICE STATION	129 ASHLEY BLVD	1/8 - 1/4 ESE	C10	18
FIDELIO MONTROND	121 ASHLEY BLVD	1/8 - 1/4 ESE	C12	22
HI-LO GAS	116 ASHLEY BLVD	1/8 - 1/4 ESE	D15	24
CLEAN RENTALS	1066 COUNTY ST	1/8 - 1/4 SSW	E19	30

### Release: MA Release Tracking Database.

A review of the Release list, as provided by EDR, and dated 02/06/2004 has revealed that there are 72 Release sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NO LOCATION AID	2301 PURCHASE ST	0 - 1/8 WSW	2	6
MILL BUILDING WAREHOUSE	419 SAWYER ST	0 - 1/8 SW	A5	13
BOILER ROOM AREA	1129 COUNTY ST	1/8 - 1/4 SSW	8	16
NO LOCATION AID	435 SAWYER ST	1/8 - 1/4 SW	11	21
REAR PARKING LOT	14 ADAMS ST	1/8 - 1/4 SSW	17	28
NO LOCATION AID	1 CHURCH ST	1/8 - 1/4 NNW	F24	35
COLLETTE/QUANSETT ST	1 CHURCH ST	1/8 - 1/4 NNW	F26	37
PAYNE CUTLERY	295 PHILLIPS AVENUE	1/4 - 1/2 NNE	28	38
PROPERTY	100 PENNIMAN ST	1/4 - 1/2 SSW	30	43
CUMBERLAND FARMS	1737 ACUSHNET AVE	1/4 - 1/2 NNE	34	49
AMERADA HESS 21516	1783 ACUSHNET AVE	1/2 - 1 NNE	G36	52
DEBROSS OIL CO INC	465 N FRONT ST	1/2 - 1 NNE	H37	54
MERIT STATION	1793 ACUSHNET AVE	1/2 - 1 NNE	G40	62
NO LOCATION AID	268 CHURCH ST	1/2 - 1 NNW	41	64
RALPH H CHASE JR	54 MOUNT PLEASANT ST	1/2 - 1 SSW	43	67
SUNOCO XTRAMART	367 ASHLEY BLVD	1/2 - 1 N	47	74
COATERS INCORPORATED	305 NASH ROAD	1/2 - 1 N	J48	75
WEIGEL & SON	282 NASH RD	1/2 - 1 NNE	50	81
CORNER NASH RD	263 BROOK ST	1/2 - 1 N	54	86
PROPERTY	452-460 MT PLEASANT ST	1/2 - 1 WNW	55	87
NO LOCATION AID	413 ASHLEY BLVD	1/2 - 1 N	N61	96

## EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CHRISTIAN TIRE & AUTO CENTER	413 ASHLEY BLVD	1/2 - 1 N	N62	97
NEW BEDFORD ROOFING	169 MT VERNON ST	1/2 - 1 SW	64	101
PO BOX 3096	480 MT PLEASANT ST	1/2 - 1 NW	66	104
SHAWMUT AVE LANDFILL	HATHAWAY RD	1/2 - 1 WSW	69	115
MCCREARY TIRE & AUTO	428 ASHLEY BLVD	1/2 - 1 N	70	116
STAR SEAT COVER INC	78 HATHAWAY RD	1/2 - 1 W	72	118
ADAMS AUTOMOTIVE FMR	953 SHAWMUT AVE	1/2 - 1 W	P73	119
ADAMS AUTOMOTIVE INC	953 SHAWMUT AVE	1/2 - 1 W	P74	120
SUBSTATIONS INTERCEPTORS	HOWARD AVENUE STA	1/2 - 1 NNE	75	124
CHAMBERLAIN MANUFACTURING CORP	117 KING STREET	1/2 - 1 NNW	79	128
NO LOCATION AID	2008 ACUSHNET AVE	1/2 - 1 NNE	R80	131
CUMBERLAND FARMS #2054	2012 ACUSHNET AVE	1/2 - 1 NNE	R81	133
NO LOCATION AID	38 ARLINGTON ST	1/2 - 1 N	82	137
SUMMER & LOCUST	39 LOCUST ST	1/2 - 1 S	88	144
NEW BEDFORD LANDFILL CITY OF	1103 SHAWMUT AVENUE	1/2 - 1 WNW	89	145
MAYHEWS CLEANERS	2076-2072 ACUSHNET AVE	1/2 - 1 NNE	91	149
JCT OF BROOKLAWN AVE	429 CHURCH ST	1/2 - 1 NNW	92	151
FORMER PENSKE TRUCK LEASING CO	1136 SHAWMUT AVE	1/2 - 1 WNW	S93	152
NO LOCATION AID	1136 SHAWMUT AVE	1/2 - 1 WNW	S94	153
BELL ATLANTIC GARAGE	1166 SHAWMUT AVE	1/2 - 1 WNW	95	155
<b>Lower Elevation</b>	<b>Address</b>	<b>Dist / Dir</b>	<b>Map ID</b>	<b>Page</b>
SHELL SERVICE STATION	129 ASHLEY BLVD	1/8 - 1/4ESE	C10	18
NO LOCATION AID	116 ASHLEY BLVD	1/8 - 1/4ESE	D16	26
CLEAN RENTALS INC	1066 COUNTY ST	1/8 - 1/4SSW	E20	32
SALVATION ARMY	1145 ACUSHNET AVE	1/8 - 1/4E	22	34
CORNER OF N FRONT ST	40 BULLARD ST	1/4 - 1/2ENE	29	41
NO LOCATION AID	206-378 BELLEVILLE AVE	1/4 - 1/2E	31	44
MY BREAD BAKERY	229 COFFIN AVE	1/4 - 1/2NE	32	47
NEW BEDFORD HARBOR NPL SITE	103 SAWYER ST	1/4 - 1/2E	33	48
FAIRHAVEN MILLS	94 SAWYER ST	1/2 - 1 E	38	59
NO LOCATION AID	122-132 FRONT ST	1/2 - 1 SE	42	66
B&S REALTY	100 NORTH FRONT ST	1/2 - 1 SE	145	71
REVERE COPPER	100 NORTH FRONT ST	1/2 - 1 SE	146	72
FAIRHAVEN MILLS REALTY CORP	85 COGGESHALL ST	1/2 - 1 ESE	51	83
LEONARDS WHARF	84 FRONT ST	1/2 - 1 SE	K52	85
JUSTIN CLOTHING CO/NATCO	61 NORTH FRONT ST	1/2 - 1 SE	56	88
SHELL STATION	45 COGGESHALL ST	1/2 - 1 ESE	L57	89
NO LOCATION AID	45 COGGESHALL ST	1/2 - 1 ESE	L58	91
GIUSTI BAKERY	1707 PURCHASE ST	1/2 - 1 SSE	M59	92
INTERSECTION WITH HAZARD ST	1707 PURCHASE ST	1/2 - 1 SSE	M60	94
NO LOCATION AID	41 COFFIN AVE	1/2 - 1 ENE	65	103
REVERE COPPER PRODUCTS INC	24 N FRONT ST	1/2 - 1 SSE	O67	107
DELKEN CO	16 FRONT ST	1/2 - 1 SSE	O68	112
BLDG 19	19 HATHAWAY ST	1/2 - 1 NE	71	117
TRANSAMERICA SPINNING MILLS	1 COFFIN AVE	1/2 - 1 ENE	76	125
RYDER TRANSPORATION SERVICES	730 ACUSHNET AVE	1/2 - 1 SSE	Q77	126
RYDER TRUCK RENTAL	730 ACUSHNET AVE	1/2 - 1 SSE	Q78	127
CLIFTEX CORP	194 RIVERSIDE AVE	1/2 - 1 NE	84	139
RIO PLAZA	30-34 HOWLAND RD	1/2 - 1 E	85	141
NO LOCATION AID	10 MANOMET ST	1/2 - 1 NE	86	142
MAINLINE TIRE & RECYCLING	680 ACUSHNET AVE	1/2 - 1 SSE	87	143
MOES ALIGNMENT	36 HOWLAND ST	1/2 - 1 E	90	148

## EXECUTIVE SUMMARY

### BROWNFIELDS DATABASES

**INST CONTROL:** Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

A review of the INST CONTROL list, as provided by EDR, and dated 02/06/2004 has revealed that there is 1 INST CONTROL site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PROPERTY</i>	<i>79 BROOK ST</i>	<i>0 - 1/8 NNE</i>	<i>7</i>	<i>14</i>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
MARSH ISLAND	2719 CERC-NFRAP, Release, SHWS
RTE 240	2719 Release, SHWS
HATHAWAY BRALEY WHARF	2719 MA Spills, SHWS
NO LOCATION AID	2719 Release, SHWS
CUMBERLAND FARMS	2719 Release, SHWS, LUST
HATHAWAY BRALEY ICEHOUSE	2719 Release, SHWS
NEAR USCG AUXILLARY	2719 Release, SHWS
S OF CROW ISLAND	2719 Release, SHWS
RIVERSIDE LOTS 33 36 53 55	2719 Release, SHWS
POLE #42577	2719 Release, SHWS, LUST
PROPERTY	2740 Release, SHWS
EXIT 4	Release, SHWS
NEAR INTERSECTION OF RTE. 6	Release, SHWS
@ COGGESHALL	Release, SHWS
ACUSHNET RIVER	Release, SHWS
BETWEEN EXIT 14 & 15	Release, SHWS
PROPERTY	2740 Release, SHWS
NO LOCATION AID	2745 Release, SHWS
NO LOCATION AID	Release, SHWS
PRIVATE A POIRIER POST	Release, SHWS
NO LOCATION AID	Release, SHWS
F/V JENASARA	SHWS
FRANCIS PLAYGROUND	2740 CERC-NFRAP, Release, SHWS
ADJACENT TO ELM ST GARAGE &	Release, SHWS
NEW BEDFORD HARBOR	Release, SHWS, INST CONTROL
US ARMY RESERVE CTR	2740 MA Spills, SHWS, LUST
PROPERTY	2740 Release, SHWS
REVERE COPPER PRODUCTS INC	2740 Release, SHWS
DELKEN	Release, SHWS
NO LOCATION AID	Release, SHWS
SULLIVAN S LEDGE	2740 Release, SHWS
SUNSHINE PLAZA	2746 Release, SHWS
CONRAIL PROPERTY	Release, SHWS
SULLIVANS LEDGE	Release, SHWS
MCCOY FIELD	Release, SHWS
FV SEAFARER	Release, SHWS
CITY OF NEW BEDFORD	2746 Release, SHWS
MAR LEES SEAFOOD	Release, SHWS
ROADWAY/ACCIDENT	MA Spills, SHWS
INFRONT PACKAGING PRODUCTS C	Release, SHWS
NO LOCATION AID	2740 Release, SHWS
FISH ISLAND	2740 CERC-NFRAP, Release, SHWS
NO LOCATION AID	Release, SHWS
NEAR SEA FUELS	Release, SHWS
NORTH OF EASTERN FISHERIES	Release, SHWS
OFF STATE PIER #3	Release, SHWS
NEAR TWIN PIERS FMR	Release, SHWS
BEHIND SHUSTER	Release, SHWS
NEAR FAIRHAVEN BRIDGE	Release, SHWS
PIER 3	Release, SHWS
COAL POCKET PIER	Release, SHWS
NO LOCATION AID	Release, SHWS
STATE PIER	Release, SHWS
INNER HARBOR	Release, SHWS
CARDINAL ST	SHWS
NB SCHOOL DEPT MAINT BLDG	2740 Release, SHWS
LOT 21 MAP 132	Release, SHWS
COMMONWEALTH ELECTRIC COMPAN	2740 CERC-NFRAP, Release, SHWS
PURCHASE & MAXFIELD ST	Release, SHWS

## EXECUTIVE SUMMARY

TELEDYNE BRITTANY DYE  
NO LOCATION AID  
OFF BEACH  
ISOTRONICS  
HATHAWAY RD  
STATE PIER  
NO LOCATION AID  
NO LOCATION AID  
ALBEROX CORP  
NO LOCATION AID  
NATCO

SAWYER STREET DRUM  
SULLIVANS LEDGE LANDFILL  
NEW BEDFORD LANDFILL  
ALDEN CORRUGATED  
ALDEN CORRUGATED  
ALDEN CORRUGATED

2740 Release, SHWS, LUST  
Release, SHWS  
Release, SHWS  
2740 Release, SHWS  
Release, SHWS  
Release, SHWS  
Release, SHWS  
SHWS  
2740 Release, SHWS  
Release, SHWS  
2740 Release, SHWS, LUST, INST  
CONTROL  
2746 CERC-NFRAP  
SWF/LF  
SWF/LF  
US BROWNFIELDS  
US BROWNFIELDS  
US BROWNFIELDS

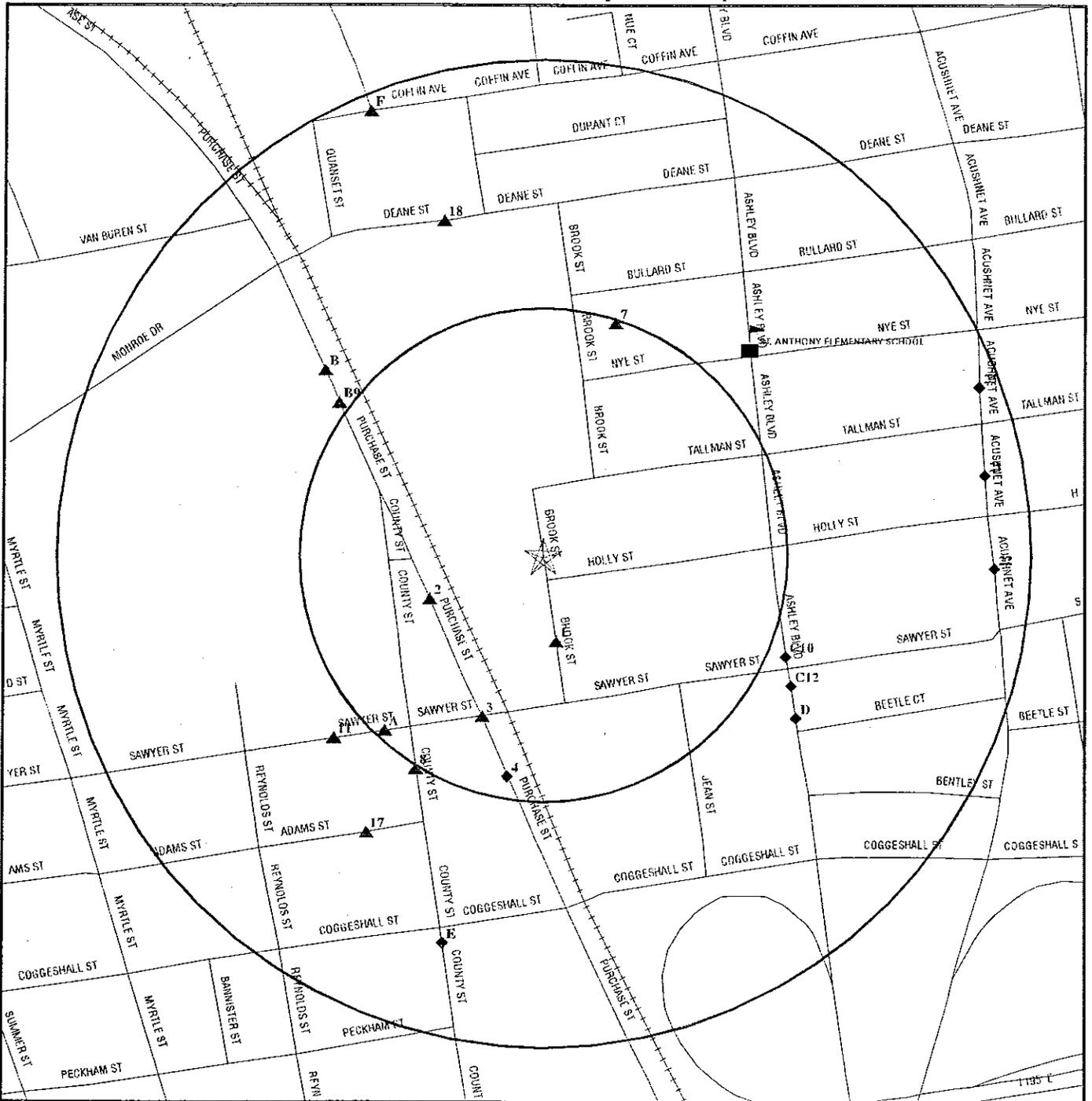
# OVERVIEW MAP - 1162726.2s - Clayton Group Services



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Areas of Critical Environmental Concern

<b>TARGET PROPERTY:</b> Vacant Lot <b>ADDRESS:</b> 29 Brook Street <b>CITY/STATE/ZIP:</b> New Bedford MA 02746 <b>LAT/LONG:</b> 41.6582 / 70.9317	<b>CUSTOMER:</b> Clayton Group Services <b>CONTACT:</b> Siobhan Costello <b>INQUIRY #:</b> 1162726.2s <b>DATE:</b> April 01, 2004 1:17 pm
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# DETAIL MAP - 1162726.2s - Clayton Group Services



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Critical Environmental Concern

**TARGET PROPERTY:** Vacant Lot  
**ADDRESS:** 29 Brook Street  
**CITY/STATE/ZIP:** New Bedford MA 02746  
**LAT/LONG:** 41.6582 / 70.9317

**CUSTOMER:** Clayton Group Services  
**CONTACT:** Siobhan Costello  
**INQUIRY #:** 1162726.2s  
**DATE:** April 01, 2004 1:21 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	1	NR	NR	1
CERC-NFRAP		0.250	0	1	NR	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	5	NR	NR	NR	7
ERNS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
State Haz. Waste		1.000	3	9	7	60	NR	79
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	1	4	2	NR	NR	7
UST		0.250	2	6	NR	NR	NR	8
Release		1.000	2	9	7	54	NR	72
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
AST		TP	NR	NR	NR	NR	NR	0
MA Spills		TP	NR	NR	NR	NR	NR	0
<b><u>EDR PROPRIETARY HISTORICAL DATABASES</u></b>								
Coal Gas		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
<b><u>BROWNFIELDS DATABASES</u></b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.250	1	0	NR	NR	NR	1

**NOTES:**

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1  
 South  
 < 1/8  
 232 ft.

**G & E AUTOMOTIVE SERVICE**  
 11 BROOK ST  
 NEW BEDFORD, MA 02746

RCRIS-SQG    1000111367  
 FINDS        MAD118336221

Relative:  
 Higher

RCRIS:  
 Owner:        ANTHONY ALFERES  
                   (617) 555-1212

Actual:  
 53 ft.

EPA ID:        MAD118336221  
 Contact:      ANTHONY ALFERES  
                   (508) 997-3615

Classification: Small Quantity Generator  
 TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

2  
 WSW  
 < 1/8  
 330 ft.

**NO LOCATION AID**  
 2301 PURCHASE ST  
 NEW BEDFORD, MA

Release    S104232381  
 SHWS      N/A

Relative:  
 Higher

SHWS:  
 Facility ID:    4-0010910  
 Site Status:   Response Action Outcome

Actual:  
 59 ft.

Source Type:    FUEL TANK  
 Release Town:   NEW BEDFORD  
 Notification Date: 11/12/1994  
 Category:        TWO HR  
 Associated ID:   -  
 Status Date:     11/17/1995  
 Phase:            Not reported  
 Action:  
   Date:            Not reported  
   Type:            Not reported  
   Status:          Not reported

Response Action Outcome:

Activity Use Limitation:

LSP Number:    Not reported

Chemical Released:

Chemical:        DIESEL FUEL

Amount:          20, gallons

Location Type:   COMMERCIAL  
                           INDUSTRIAL

Source Type:     FUEL TANK

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S104232381

Facility ID: 4-0017775  
Site Status: Response Action Outcome  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 04/14/2003  
Category : 120 DY  
Associated ID : -  
Status Date : 04/14/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: Not reported  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:

Facility ID: 4-0010910  
Facility Status: Response Action Outcome  
Status Date: 11/17/1995  
Phase: Not reported  
Notification: 11/12/1994  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 20, gallons  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: FUEL TANK  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A1  
Oil / Haz Material Type : Oil

Facility ID: 4-0017775  
Facility Status: Response Action Outcome  
Status Date: 04/14/2003  
Phase: Not reported  
Notification: 04/14/2003  
Category: 120 DY  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S104232381

Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: Not reported  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : B1  
Oil / Haz Material Type : Oil

3  
SSW  
< 1/8  
462 ft.

COSTA & SONS SERVICE STATION INC  
397 SAWYER ST  
NEW BEDFORD, MA 02746

UST U002007781  
N/A

Relative:  
Higher

UST:

Facility ID: 3455  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Actual:  
56 ft.

Facility ID: 3455  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COSTA & SONS SERVICE STATION INC (Continued)

U002007781

Facility ID: 3455  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3455  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3455  
Tank ID: 5  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 550  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Waste Oil  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COSTA & SONS SERVICE STATION INC (Continued)

U002007781

Facility ID: 3455  
Tank ID: 6  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 8000  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: 113165  
Aboveground: No  
Contents: Gasoline  
Tank Material: Cathodic  
Tank Contents: 1 Wall  
Tank Leak Detection: Approved In-Tank Monitor  
Pipe Leak Detection: Interstitial Space Monitor

Facility ID: 3455  
Tank ID: 7  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 8000  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: 113174  
Aboveground: No  
Contents: Gasoline  
Tank Material: Cathodic  
Tank Contents: 1 Wall  
Tank Leak Detection: Interstitial Monitoring  
Pipe Leak Detection: Interstitial Space Monitor

Facility ID: 3455  
Tank ID: 8  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 8000  
Owner: COSTA & SONS SERVICE STATION I  
Owner Address: 397 SAWYER ST  
NEW BEDFORD, MA 02740  
Serial Number: 113161  
Aboveground: No  
Contents: Gasoline  
Tank Material: Cathodic  
Tank Contents: 1 Wall  
Tank Leak Detection: Approved In-Tank Monitor  
Pipe Leak Detection: Interstitial Space Monitor

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**COSTA & SONS SERVICE STATION INC (Continued)**

**U002007781**

Facility ID: 3455  
 Tank ID: 9  
 Tank Status: In Use  
 Tank Useage: MV  
 Capacity: 6000  
 Owner: COSTA & SONS SERVICE STATION I  
 Owner Address: 397 SAWYER ST  
 NEW BEDFORD, MA 02740  
 Serial Number: 113153  
 Aboveground: No  
 Contents: Diesel  
 Tank Material: Cathodic  
 Tank Contents: 1 Wall  
 Tank Leak Detection: Approved In-Tank Monitor  
 Pipe Leak Detection: Interstitial Space Monitor

Facility ID: 3455  
 Tank ID: 10  
 Tank Status: In Use  
 Tank Useage: Not reported  
 Capacity: 1000  
 Owner: COSTA & SONS SERVICE STATION I  
 Owner Address: 397 SAWYER ST  
 NEW BEDFORD, MA 02740  
 Serial Number: P3105289  
 Aboveground: No  
 Contents: Kerosene  
 Tank Material: Cathodic  
 Tank Contents: 1 Wall  
 Tank Leak Detection: Approved In-Tank Monitor  
 Pipe Leak Detection: Suction: Check Valve at Dispenser

4  
 South  
 < 1/8  
 600 ft.

**INTERSTATE BRANDS**  
 2185 PURCHASE ST  
 NEW BEDFORD, MA 02746

RCRIS-SQG 1000412383  
 FINDS MAD162129506  
 UST

Relative:  
 Lower

RCRIS:  
 Owner: RALSTON PURINA  
 (617) 555-1212  
 EPA ID: MAD162129506  
 Contact: Not reported  
 Classification: Small Quantity Generator  
 TSDF Activities: Not reported

Actual:  
 49 ft.

Violation Status: Violations exist

Regulation Violated: Not reported  
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
 Date Violation Determined: 01/16/1991  
 Actual Date Achieved Compliance: 03/20/1991

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 01/24/1991  
 Penalty Type: Not reported

Regulation Violated: Not reported  
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
 Date Violation Determined: 01/16/1991

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

INTERSTATE BRANDS (Continued)

1000412383

Actual Date Achieved Compliance: Not reported  
Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 01/16/1991  
Actual Date Achieved Compliance: Not reported

There are 3 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910320
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system (RCRAINFO)

UST:

Facility ID: 3381  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 6000  
Owner: CONTINENTAL BAKING CO  
Owner Address: 330 SPEEN ST  
NATICK, MA 01760  
Serial Number: Not reported  
Aboveground: No  
Contents: Diesel  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Not reported

Facility ID: 3381  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 5000  
Owner: CONTINENTAL BAKING CO  
Owner Address: 330 SPEEN ST  
NATICK, MA 01760  
Serial Number: Not reported  
Aboveground: No  
Contents: Diesel  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Number EPA ID Number
A5 SW < 1/8 636 ft.	MILL BUILDING WAREHOUSE 419 SAWYER ST NEW BEDFORD, MA  Site 1 of 2 in cluster A  MA RELEASE: Facility ID: 4-0018186 Facility Status: Unclassified Waste Site Status Date: 12/22/2003 Phase: Not reported Notification: 12/22/2003 Category: TWO HR Official City: NEW BEDFORD Action: Date: Not reported Type: Not reported Status: Not reported Response Action Outcome: Activity Use Limitaion: LSP Number: Not reported Chemical Released: Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE Amount: 20, gallons Location Type: COMMERCIAL Source Type: AST ASC Release Tracking Number: Not reported Response Action Outcome Class : Not reported Oil / Haz Material Type : Not reported	Release	S106131704 N/A
Relative: Higher			
Actual: 62 ft.			

A6 SW < 1/8 636 ft.	MILL BUILDING WAREHOUSE 419 SAWYER ST NEW BEDFORD, MA  Site 2 of 2 in cluster A  SHWS: Facility ID: 4-0018186 Site Status: Unclassified Waste Site Source Type: AST Release Town: NEW BEDFORD Notification Date : 12/22/2003 Category : TWO HR Associated ID : - Status Date : 12/22/2003 Phase : Not reported Action: Date: Not reported Type: Not reported Status: Not reported Response Action Outcome: Activity Use Limitaion: LSP Number: Not reported Chemical Released: Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE Amount: 20, gallons Location Type: COMMERCIAL Source Type: AST		SHWS S106132375 N/A
Relative: Higher			
Actual: 62 ft.			

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

MILL BUILDING WAREHOUSE (Continued)

S106132375

7  
NNE  
< 1/8  
651 ft.

PROPERTY  
79 BROOK ST  
NEW BEDFORD, MA

MA Spills  
SHWS  
LUST  
INST CONTROL

S101037272  
N/A

Relative:  
Equal

Actual:  
52 ft.

SHWS:

Facility ID: 4-0010386  
Site Status: Response Action Outcome  
Source Type: ABANDONED  
Release Town: NEW BEDFORD  
Notification Date : 03/22/1994  
Category : 72 HR  
Associated ID : -  
Status Date : 04/03/1995  
Phase : Not reported  
Action:  
Date: 09/13/2002  
Type: Activity and Use Limitation  
Status: SNAUDI  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: 12, inches  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Location Type: INDUSTRIAL  
Source Type: ABANDONED  
UST

Facility ID: 4-0010386  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 03/22/1994  
Category : 72 HR  
Associated ID : -  
Status Date : 04/03/1995  
Phase : Not reported  
Action:  
Date: 09/13/2002  
Type: Activity and Use Limitation  
Status: SNAUDI  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: 12, inches  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Location Type: INDUSTRIAL  
Source Type: ABANDONED  
UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PROPERTY (Continued)

S101037272

Facility ID: 4-0000989  
Site Status: Response Action Outcome  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 07/15/1993  
Category : NONE  
Associated ID : -  
Status Date : 05/16/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

LUST:

Facility ID: 4-0010386  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 03/22/1994  
Category : 72 HR  
Associated ID : -  
Status Date : 04/03/1995  
Phase : Not reported  
Action:  
Date: 09/13/2002  
Type: Activity and Use Limitation  
Status: SNAUDI  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: 12, inches  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Location Type: INDUSTRIAL  
Source Type: ABANDONED  
UST

MA INSTITUTIONAL CONTROL:

Release Tracking Number: 4-0010386  
Action Type: AUL  
Action Status: SNAUDI  
Action Date: 09/13/2002

MA Spills:

Facility ID: 0000 Spill ID: W93-0012  
Staff Lead: CARPENTER, C Date Entered: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**PROPERTY (Continued)** **S101037272**

Last Entered: 01/07/1993 Spill Date: 01/07/1993 Spill Time: Not reported Case Closed: YES Virgin Waste: WASTE Env Impact: Not reported Material: OTHER MATERIAL --> CAS No: Not reported Qty Reported: UNKNOWN ----- Qty Actual: UNKNOWN ----- Source: DRUM Incident: OTHER RELEASE > Cleanup Type: --- Referral: SW Notifier: LARRY, HPD Notif Tel: Not reported Report Prep: Not reported Days/Close: 0  Facility ID: 0000 Staff Lead: MORAN, M Last Entered: 10/15/1990 Spill Date: 10/11/1990 Spill Time: Not reported Case Closed: YES Virgin Waste: VIRGIN Env Impact: Not reported Material: #2 FUEL OIL CAS No: Not reported Qty Reported: UNKNOWN ----- Qty Actual: UNKNOWN ----- Source: U.S.T. Incident: LEAK Cleanup Type: SSC Referral: NO Notifier: BOB ATWOOD/RESOURCE CONTR Notif Tel: Not reported Report Prep: Not reported Days/Close: 1	First Response: 01/07/1993 Report Date: 01/07/1993 Report Time: 12:00PM Mat Type: UNKNOWN Contam Soil: Not reported Other Impact: Not reported Other Material: DRUMS & BARRELS PCB Lev (ppm): NONE  Other Source: Not reported Other Incdnt: THREAT ONLY Contractor: NOT USED LUST Elig: NO  Category: Not reported  Spill ID: S90-0774 Date Entered: Not reported First Response: 10/15/1990 Report Date: 10/11/1990 Report Time: 02:00PM Mat Type: PETROLEUM Contam Soil: Not reported Other Impact: Not reported Other Material: Not reported PCB Lev (ppm): NONE  Other Source: Not reported Other Incdnt: Not reported Contractor: NOT USED LUST Elig: ---  Category: Not reported
---	---

**8**            **BOILER ROOM AREA**  
**SSW**        **1129 COUNTY ST**  
**1/8-1/4**     **NEW BEDFORD, MA**  
**668 ft.**

**Release S105200538**  
**SHWS    N/A**

**Relative:**  
**Higher**

**Actual:**  
**58 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BOILER ROOM AREA (Continued)

S105200538

SHWS:

Facility ID: 4-0016367  
Site Status: Response Action Outcome  
Source Type: DRUMS  
Release Town: NEW BEDFORD  
Notification Date : 07/12/2001  
Category : TWO HR  
Associated ID : -  
Status Date : 11/16/2001  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: DRUMS

MA RELEASE:

Facility ID: 4-0016367  
Facility Status: Response Action Outcome  
Status Date: 11/16/2001  
Phase: Not reported  
Notification: 07/12/2001  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: DRUMS  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A1  
Oil / Haz Material Type : Oil

B9  
NW  
1/8-1/4  
690 ft.

MINIT MAN AUTO WASH  
2351 PURCHASE ST  
NEW BEDFORD, MA 02746

Relative:  
Higher

Actual:  
62 ft.

Site 1 of 3 in cluster B

UST U001004849  
N/A

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MINIT MAN AUTO WASH (Continued)

U001004849

UST:  
Facility ID: 3382  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 10000  
Owner: MADELEINE STYKOWSKI  
Owner Address: 7 DEAN ST  
DARTMOUTH, MA 02747  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3382  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 10000  
Owner: MADELEINE STYKOWSKI  
Owner Address: 7 DEAN ST  
DARTMOUTH, MA 02747  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

C10 SHELL SERVICE STATION  
ESE 129 ASHLEY BLVD  
1/8-1/4 NEW BEDFORD, MA 02740  
709 ft.

UST U001004893  
Release N/A  
SHWS  
LUST

Site 1 of 2 in cluster C

Relative:  
Lower

SHWS:  
Facility ID: 4-0001079  
Site Status: REMOPS  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/16/1991  
Category : NONE  
Associated ID : -  
Status Date : 07/17/2002  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

Actual:  
44 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

SHELL SERVICE STATION (Continued)

U001004893

Amount: Not reported  
Location Type: Not reported  
Source Type: UST

LUST:

Facility ID: 4-0001079  
Site Status: REMOPS  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/16/1991  
Category : NONE  
Associated ID : -  
Status Date : 07/17/2002  
Phase : PHASE V

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: UST

MA RELEASE:

Facility ID: 4-0001079  
Facility Status: REMOPS  
Status Date: 07/17/2002  
Phase: PHASE V  
Notification: 07/16/1991  
Category: NONE  
Official City: NEW BEDFORD

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported

Chemical Released:

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: UST

ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SHELL SERVICE STATION (Continued)

U001004893

UST:  
Facility ID: 3471  
Tank ID: 1  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 6000  
Owner: MOTIVA ENTERPRISES LLC  
Owner Address: 520 ALLENS AVE, BLDG 2  
PROVIDENCE, RI 02905  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Reinforced  
Tank Contents: 1 Wall  
Tank Leak Detection: Approved In-Tank Monitor  
Pipe Leak Detection: Product Line Leak Detector

Facility ID: 3471  
Tank ID: 2  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 6000  
Owner: MOTIVA ENTERPRISES LLC  
Owner Address: 520 ALLENS AVE, BLDG 2  
PROVIDENCE, RI 02905  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Reinforced  
Tank Contents: 1 Wall  
Tank Leak Detection: Approved In-Tank Monitor  
Pipe Leak Detection: Product Line Leak Detector

Facility ID: 3471  
Tank ID: 3  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 6000  
Owner: MOTIVA ENTERPRISES LLC  
Owner Address: 520 ALLENS AVE, BLDG 2  
PROVIDENCE, RI 02905  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Reinforced  
Tank Contents: 1 Wall  
Tank Leak Detection: Approved In-Tank Monitor  
Pipe Leak Detection: Product Line Leak Detector

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SHELL SERVICE STATION (Continued)

U001004893

Facility ID: 3471  
Tank ID: 4  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 6000  
Owner: MOTIVA ENTERPRISES LLC  
Owner Address: 520 ALLENS AVE, BLDG 2  
PROVIDENCE, RI 02905  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Reinforced  
Tank Contents: 1 Wall  
Tank Leak Detection: Approved In-Tank Monitor  
Pipe Leak Detection: Product Line Leak Detector

11 NO LOCATION AID  
SW 435 SAWYER ST  
1/8-1/4 NEW BEDFORD, MA 02740  
748 ft.

Release S102618740  
SHWS N/A

Relative:  
Higher

SHWS:

Actual:  
65 ft.

Facility ID: 4-0013123  
Site Status: Response Action Outcome  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 06/18/1997  
Category : 120 DY  
Associated ID : -  
Status Date : 06/25/1998  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: 1,1 -BIPHENYL, CHLORO-DERIVS.  
Amount: 4.03, parts per million  
Chemical Released:  
Chemical: LEAD  
Amount: 1630, parts per million  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:

Facility ID: 4-0013123  
Facility Status: Response Action Outcome  
Status Date: 06/25/1998  
Phase: Not reported  
Notification: 06/18/1997  
Category: 120 DY  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S102618740

Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: 1,1 -BIPHENYL, CHLORO-DERIVS.  
Amount: 4.03, parts per million  
Chemical Released:  
Chemical: LEAD  
Amount: 1630, parts per million  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : B1  
Oil / Haz Material Type : Hazardous Material

C12 FIDELIO MONTROND  
ESE 121 ASHLEY BLVD  
1/8-1/4 NEW BEDFORD, MA 02746  
756 ft.

UST U002007795  
N/A

Site 2 of 2 in cluster C

Relative:  
Lower

UST:  
Facility ID: 3464  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 2000  
Owner: FIDELIO MONTROND  
Owner Address: 137 CEDAR ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Actual:  
43 ft.

Facility ID: 3464  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 2000  
Owner: FIDELIO MONTROND  
Owner Address: 137 CEDAR ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

FIDELIO MONTROND (Continued)

U002007795

Facility ID: 3464  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 2000  
Owner: FIDELIO MONTROND  
Owner Address: 137 CEDAR ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3464  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 3000  
Owner: FIDELIO MONTROND  
Owner Address: 137 CEDAR ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3464  
Tank ID: 5  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 3000  
Owner: FIDELIO MONTROND  
Owner Address: 137 CEDAR ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EPA ID Number

<b>B13</b> NW 1/8-1/4 773 ft.	<b>EXECUTIVE AUTO</b> 2359 PURCHASE ST NEW BEDFORD, MA 02746	RCRIS-SQG FINDS	1000397685 MAD063895155
--	--	--------------------	----------------------------

Site 2 of 3 in cluster B

Relative: Higher

Actual: 63 ft.

RCRIS:

Owner: HARTE TOYOTA INC  
(617) 555-1212

EPA ID: MAD063895155

Contact: FRED DAYTON  
(508) 993-2616

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

CT MANIFEST

Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

<b>B14</b> NW 1/8-1/4 773 ft.	<b>GLENN HARTE</b> 2359 PURCHASE ST NEW BEDFORD, MA 02746	UST	U001004838 N/A
--	---	-----	-------------------

Site 3 of 3 in cluster B

Relative: Higher

Actual: 63 ft.

UST:

Facility ID: 3366

Tank ID: 1

Tank Status: Removed

Tank Usage: Not reported

Capacity: 2000

Owner: GLENN HARTE

Owner Address: 2359 PURCHASE ST  
NEW BEDFORD, MA 02746

Serial Number: Not reported

Aboveground: No

Contents: Waste Oil

Tank Material: Steel

Tank Contents: Not reported

Tank Leak Detection: Not reported

Pipe Leak Detection: Not reported

<b>D15</b> ESE 1/8-1/4 810 ft.	<b>HI-LO GAS</b> 116 ASHLEY BLVD NEW BEDFORD, MA 02746	UST	U000230888 N/A
---	--	-----	-------------------

Site 1 of 2 in cluster D

Relative: Lower

Actual: 41 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number

EDR ID Number  
EPA ID Number

HI-LO GAS (Continued)

U000230888

UST:

Facility ID: 3410  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: MALEK'S PETROLEUM INC  
Owner Address: 156 MAIN ST  
BUZZARDS BAY, MA 02532  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3410  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 3000  
Owner: MALEK'S PETROLEUM INC  
Owner Address: 156 MAIN ST  
BUZZARDS BAY, MA 02532  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3410  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: MALEK'S PETROLEUM INC  
Owner Address: 156 MAIN ST  
BUZZARDS BAY, MA 02532  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

EDR ID Number  
EPA ID Number  
Database(s)

HI-LO GAS (Continued)

U000230888

Facility ID: 3410  
Tank ID: 4  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 6000  
Owner: MALEK'S PETROLEUM INC  
Owner Address: 156 MAIN ST  
BUZZARDS BAY, MA 02532  
Serial Number: 17027  
Aboveground: No  
Contents: Gasoline  
Tank Material: Composite  
Tank Contents: 2 Walls  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Interstitial Space Monitor

Facility ID: 3410  
Tank ID: 5  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 8000  
Owner: MALEK'S PETROLEUM INC  
Owner Address: 156 MAIN ST  
BUZZARDS BAY, MA 02532  
Serial Number: 8268  
Aboveground: No  
Contents: Gasoline  
Tank Material: Composite  
Tank Contents: 2 Walls  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Interstitial Space Monitor

D16 NO LOCATION AID  
ESE 116 ASHLEY BLVD  
1/8-1/4 NEW BEDFORD, MA  
810 ft.

Release S102967680  
SHWS N/A  
LUST

Site 2 of 2 in cluster D

Relative:  
Lower

Actual:  
41 ft.

SHWS:  
Facility ID: 4-0013556  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/16/1997  
Category : 72 HR  
Associated ID : -  
Status Date : 07/18/2002  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: 250, parts per million

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S102967680

Location Type: COMMERCIAL  
Source Type: UST

LUST:

Facility ID: 4-0013556  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/16/1997  
Category : 72 HR  
Associated ID : -  
Status Date : 07/18/2002  
Phase : PHASE III

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:

Chemical: PETROLEUM BASED OIL  
Amount: 250, parts per million

Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0013556  
Facility Status: TIERII  
Status Date: 07/18/2002  
Phase: PHASE III  
Notification: 12/16/1997  
Category: 72 HR  
Official City: NEW BEDFORD

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:

Chemical: PETROLEUM BASED OIL  
Amount: 250, parts per million

Location Type: COMMERCIAL  
Source Type: UST

ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)      EDR ID Number  
 EPA ID Number

17            REAR PARKING LOT  
 SSW        14 ADAMS ST  
 1/8-1/4    NEW BEDFORD, MA  
 882 ft.

Release      S104232364  
 SHWS        N/A  
 LUST

Relative:  
 Higher

Actual:  
 60 ft.

SHWS:

Facility ID: 4-0010014  
 Site Status: Response Action Outcome  
 Source Type: PIPE  
 Release Town: NEW BEDFORD  
 Notification Date : 10/08/1993  
 Category : TWO HR  
 Associated ID : -  
 Status Date : 07/24/1997  
 Phase : Not reported  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 2  
 Amount: 15, gallons  
 Chemical Released:  
 Chemical: FUEL OIL 2  
 Amount: Not reported  
 Location Type: RESIDENTIAL  
 Source Type: PIPE  
 UST

Facility ID: 4-0010014  
 Site Status: Response Action Outcome  
 Source Type: UST  
 Release Town: NEW BEDFORD  
 Notification Date : 10/08/1993  
 Category : TWO HR  
 Associated ID : -  
 Status Date : 07/24/1997  
 Phase : Not reported  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 2  
 Amount: 15, gallons  
 Chemical Released:  
 Chemical: FUEL OIL 2  
 Amount: Not reported  
 Location Type: RESIDENTIAL  
 Source Type: PIPE  
 UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

REAR PARKING LOT (Continued)

S104232364

LUST:

Facility ID: 4-0010014  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 10/08/1993  
Category : TWO HR  
Associated ID : -  
Status Date : 07/24/1997  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 15, gallons  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: Not reported  
Location Type: RESIDENTIAL  
Source Type: PIPE  
UST

MA RELEASE:

Facility ID: 4-0010014  
Facility Status: Response Action Outcome  
Status Date: 07/24/1997  
Phase: Not reported  
Notification: 10/08/1993  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 15, gallons  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: Not reported  
Location Type: RESIDENTIAL  
Source Type: PIPE  
UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

**REAR PARKING LOT (Continued)**

Database(s)      EDR ID Number  
 EPA ID Number

**S104232364**

**18  
 NNW  
 1/8-1/4  
 934 ft.**

**TIBBETTS ENGINEERING CORP  
 210 DEANE ST  
 NEW BEDFORD, MA 02746**

**RCRIS-SQG      1004715510  
 FINDS          MAD019519867**

**Relative:  
 Higher**

**RCRIS:**  
 Owner:            Not reported  
 EPA ID:           MAD019519867

**Actual:  
 63 ft.**

Contact:          FRED TIBBETTS  
 (508) 996-5633

Classification:    Conditionally Exempt Small Quantity Generator  
 TSDF Activities:   Not reported

Violation Status:   No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

**E19  
 SSW  
 1/8-1/4  
 1074 ft.**

**CLEAN RENTALS  
 1066 COUNTY ST  
 NEW BEDFORD, MA 02746**

**UST      1001153190  
 N/A**

**Relative:  
 Lower**

**Site 1 of 2 in cluster E**

**Actual:  
 51 ft.**

**UST:**  
 Facility ID:        8420  
 Tank ID:            1  
 Tank Status:        Removed  
 Tank Useage:       Not reported  
 Capacity:           4000  
 Owner:              CLEAN RENTALS INC  
 Owner Address:    1066 COUNTRY ST  
                          NEW BEDFORD, MA 02746

Serial Number:    Not reported  
 Aboveground:     No  
 Contents:           Diesel  
 Tank Material:     Steel  
 Tank Contents:     Not reported  
 Tank Leak Detection: Not reported  
 Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

CLEAN RENTALS (Continued)

1001153190

Facility ID: 8420  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: CLEAN RENTALS INC  
Owner Address: 1066 COUNTRY ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Diesel  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 8420  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: CLEAN RENTALS INC  
Owner Address: 1066 COUNTRY ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Diesel  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 8420  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: CLEAN RENTALS INC  
Owner Address: 1066 COUNTRY ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

Database(s) EDR ID Number  
EPA ID Number

1001153190

CLEAN RENTALS (Continued)

Facility ID: 8420  
Tank ID: 5  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: CLEAN RENTALS INC  
Owner Address: 1066 COUNTRY ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

E20 CLEAN RENTALS INC  
SSW 1066 COUNTY ST  
1/8-1/4 NEW BEDFORD, MA 27460  
1074 ft.

Release 1001315154  
SHWS N/A  
LUST

Site 2 of 2 in cluster E

Relative:  
Lower

Actual:  
51 ft.

SHWS:  
Facility ID: 4-0014300  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 10/29/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 10/29/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 200, parts per million  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 200, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CLEAN RENTALS INC (Continued)

1001315154

LUST:

Facility ID: 4-0014300  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 10/29/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 10/29/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 200, parts per million  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 200, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0014300  
Facility Status: Response Action Outcome  
Status Date: 10/29/1999  
Phase: Not reported  
Notification: 10/29/1998  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 200, parts per million  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 200, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)      EDR ID Number  
 EPA ID Number

**21**      **BROOKS 603**  
 East      **1207 ACUSHNET AVE**  
 1/8-1/4    **NEW BEDFORD, MA 02745**  
 1213 ft.

**RCRIS-SQG**    **1001487978**  
**FINDS**        **MAR000013581**

**Relative:**  
**Lower**

**RCRIS:**  
 Owner:        **BROOKS**  
                   **(999) 999-9999**  
 EPA ID:        **MAR000013581**  
 Contact:       **BRIAN HUART**  
                   **(401) 825-3948**  
  
 Classification: **Small Quantity Generator**  
 TSDF Activities: **Not reported**  
  
 Violation Status: **No violations found**

**Actual:**  
**41 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

**22**      **SALVATION ARMY**  
 East      **1145 ACUSHNET AVE**  
 1/8-1/4    **NEW BEDFORD, MA**  
 1221 ft.

**Release**    **S103546653**  
**SHWS**      **N/A**

**Relative:**  
**Lower**

**SHWS:**  
 Facility ID:     **4-0014249**  
 Site Status:    **Response Action Outcome**  
 Source Type:    **Not reported**  
 Release Town:   **NEW BEDFORD**  
 Notification Date : **10/13/1998**  
 Category :       **TWO HR**  
 Associated ID :   **-**  
 Status Date :    **10/20/1999**  
 Phase :          **Not reported**  
 Action:  
   Date:           **Not reported**  
   Type:           **Not reported**  
   Status:         **Not reported**  
   Response Action Outcome:  
   Activity Use Limitaion:  
   LSP Number:    **Not reported**  
   Chemical Released:  
     Chemical:     **PETROLEUM BASED OIL**  
     Amount:       **1000, gallons**  
     Location Type: **Not reported**  
     Source Type:   **Not reported**

**Actual:**  
**34 ft.**

**MA RELEASE:**

Facility ID:     **4-0014249**  
 Facility Status: **Response Action Outcome**  
 Status Date:    **10/20/1999**  
 Phase:          **Not reported**  
 Notification:    **10/13/1998**  
 Category:       **TWO HR**  
 Official City:   **NEW BEDFORD**  
 Action:  
   Date:           **Not reported**  
   Type:           **Not reported**  
   Status:         **Not reported**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**SALVATION ARMY (Continued)**

**S103546653**

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: 1000, gallons  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

23  
ENE  
1/8-1/4  
1262 ft.

**ELITE CLEANSERS**  
**1266 ACUSHNET AVE**  
**NEW BEDFORD, MA 02746**

**RCRIS-SQG 1000396915**  
**FINDS MAD019510023**

Relative:  
Lower

RCRIS:  
Owner: Not reported  
EPA ID: MAD019510023

Actual:  
50 ft.

Contact: LEONARD DESROCHES  
(508) 994-7961

Classification: Small Quantity Generator  
TSDf Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system (RCRAINFO)

F24  
NNW  
1/8-1/4  
1276 ft.

**NO LOCATION AID**  
**1 CHURCH ST**  
**NEW BEDFORD, MA 02746**

**Release S104179993**  
**SHWS N/A**

Relative:  
Higher

**Site 1 of 4 in cluster F**

SHWS:  
Facility ID: 4-0014950  
Site Status: TIER1D  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 08/19/1999  
Category : 120 DY  
Associated ID : -  
Status Date : 08/28/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)  
Amount: 2100, parts per million

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**NO LOCATION AID (Continued)**

**S104179993**

Chemical Released:  
 Chemical: LEAD  
 Amount: 1700, parts per million  
 Location Type: Not reported  
 Source Type: Not reported

**MA RELEASE:**

Facility ID: 4-0014950  
 Facility Status: TIER1D  
 Status Date: 08/28/2000  
 Phase: Not reported  
 Notification: 08/19/1999  
 Category: 120 DY  
 Official City: NEW BEDFORD  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported

Chemical Released:  
 Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)  
 Amount: 2100, parts per million

Chemical Released:  
 Chemical: LEAD  
 Amount: 1700, parts per million  
 Location Type: Not reported  
 Source Type: Not reported  
 ASC Release Tracking Number: Not reported  
 Response Action Outcome Class : Not reported  
 Oil / Haz Material Type : Oil and Hazardous Material

F25  
 NNW  
 1/8-1/4  
 1276 ft.

**ALDEN CORRUGATED CONTAINER  
 ONE CHURCH STREET  
 NEW BEDFORD, MA 02746**

**CERC-NFRAP 1003862960  
 MA0001058148**

**Site 2 of 4 in cluster F**

**Relative:  
 Higher**

CERCLIS-NFRAP Classification Data:  
 Site Incident Category: Non-Oil Spill  
 Non NPL Code: Removal Only Site (No Site Assessment Work Needed)  
 Ownership Status: Private  
 Site Description: FORMER CORRUGATED BOX MANUFACTURING PLANT.  
 Federal Facility: Not a Federal Facility  
 NPL Status: Not on the NPL

**Actual:  
 70 ft.**

CERCLIS-NFRAP Assessment History:  
 Assessment: REMOVAL Completed: 07/06/1995  
 Assessment: NON-NPL PRP SEARCH Completed: 10/07/1996  
 Assessment: ARCHIVE SITE Completed: 11/07/1996

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F26 NNW 1/8-1/4 1276 ft.	COLLETTE/QUANSETT ST 1 CHURCH ST NEW BEDFORD, MA 02740  Site 3 of 4 in cluster F  SHWS: Facility ID: 4-0011155 Site Status: Response Action Outcome Source Type: BLDG Release Town: NEW BEDFORD Notification Date : 02/23/1995 Category : TWO HR Associated ID : - Status Date : 08/28/1995 Phase : Not reported Action: Date: Not reported Type: Not reported Status: Not reported Response Action Outcome: Activity Use Limitaion: LSP Number: Not reported Chemical Released: Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL Amount: Not reported Chemical Released: Chemical: PETROLEUM BASED OIL Amount: Not reported Chemical Released: Chemical: ASBESTOS Amount: Not reported Location Type: COMMERCIAL INDUSTRIAL Source Type: BLDG  MA RELEASE: Facility ID: 4-0011155 Facility Status: Response Action Outcome Status Date: 08/28/1995 Phase: Not reported Notification: 02/23/1995 Category: TWO HR Official City: NEW BEDFORD Action: Date: Not reported Type: Not reported Status: Not reported Response Action Outcome: Activity Use Limitaion: LSP Number: Not reported Chemical Released: Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL Amount: Not reported Chemical Released: Chemical: PETROLEUM BASED OIL Amount: Not reported Chemical Released: Chemical: ASBESTOS Amount: Not reported	Release SHWS	S104232385 N/A

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**COLLETTE/QUANSETT ST (Continued)**

**S104232385**

Location Type: COMMERCIAL  
 INDUSTRIAL  
 Source Type: BLDG  
 ASC Release Tracking Number: Not reported  
 Response Action Outcome Class : A1  
 Oil / Haz Material Type : Oil and Hazardous Material

**F27 ISLAND TRANSPORTATION CO INC**  
**NNW 1 CHURCH ST**  
**1/8-1/4 NEW BEDFORD, MA 02746**  
**1276 ft.**

**RCRIS-SQG 1000151564**  
**FINDS MAD985270073**

**Site 4 of 4 in cluster F**

**Relative:  
 Higher**

RCRIS:  
 Owner: MICHAEL PERETTE  
 (617) 555-1212

**Actual:  
 70 ft.**

EPA ID: MAD985270073

Contact: SHERMAN COBB  
 (508) 993-1720

Classification: Small Quantity Generator  
 TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

**28 PAYNE CUTLERY**  
**NNE 295 PHILLIPS AVENUE**  
**1/4-1/2 NEW BEDFORD, MA 02746**  
**1799 ft.**

**CERCLIS 1000709686**  
**RCRIS-SQG MAD001025246**  
**FINDS**  
**Release**  
**SHWS**

**Relative:  
 Higher**

**CERCLIS Classification Data:**

Site Incident Category: Non-Oil Spill Federal Facility: Not a Federal Facility

**Actual:  
 68 ft.**

Non NPL Status: NFRAP

Ownership Status: Private NPL Status: Not on the NPL

Site Description: OLD, LARGE, THREE ACRE, BRICK FACTORY. NOW USED FOR CHEMICAL STORAGE.  
 INCOMPATIBLES TOGETHER.

**CERCLIS Assessment History:**

Assessment:	REMOVAL ASSESSMENT	Completed:	08/20/1992
Assessment:	UNILATERAL ADMIN ORDER	Completed:	12/21/1992
Assessment:	PRP REMOVAL	Completed:	02/01/1993
Assessment:	REMOVAL	Completed:	03/05/1993
Assessment:	PRP REMOVAL	Completed:	09/09/1993
Assessment:	DISCOVERY	Completed:	06/14/1994
Assessment:	PRELIMINARY ASSESSMENT	Completed:	02/19/1995
Assessment:	NON-NPL PRP SEARCH	Completed:	07/29/1999
Assessment:	Lodged By DOJ	Completed:	08/19/1999
Assessment:	CONSENT DECREE	Completed:	11/08/1999

**CERCLIS Site Status:**

Not reported

**CERCLIS Alias Name(s):**

PAYNE CUTLERY CORP.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

PAYNE CUTLERY (Continued)

1000709686

RCRIS:

Owner: Not reported  
EPA ID: MAD001025246  
Contact: EDWARD-L MERSEY  
(508) 996-5605

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 03/01/1988  
Actual Date Achieved Compliance: 07/15/1993

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 06/23/1988  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 03/01/1986  
Actual Date Achieved Compliance: 07/15/1993

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 02/03/1987  
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19930715
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19930715

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
AIRS/AIRS Facility Subsystem (AIRS/AFS)  
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)  
Integrated Compliance Information System (ICIS)  
Resource Conservation and Recovery Act Information system (RCRAINFO)

SHWS:

Facility ID: 4-0000404  
Site Status: TIER1D  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 04/08/1987  
Category : NONE  
Associated ID : -  
Status Date : 08/09/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

PAYNE CUTLERY (Continued)

1000709686

Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: MANUFACT  
Source Type: Not reported

Facility ID: 4-0015373  
Site Status: TIER1D  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 02/07/2001  
Category : 72 HR  
Associated ID : -  
Status Date : 02/14/2002  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported

Chemical Released:  
Chemical: ETHENE, TRICHLORO-  
Amount: 5, parts per million  
Location Type: INDUSTRIAL  
Source Type: UNKNOWN

MA RELEASE:

Facility ID: 4-0000404  
Facility Status: TIER1D  
Status Date: 08/09/1995  
Phase: Not reported  
Notification: 04/08/1987  
Category: NONE  
Official City: NEW BEDFORD

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: MANUFACT  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Facility ID: 4-0015373  
Facility Status: TIER1D  
Status Date: 02/14/2002  
Phase: Not reported  
Notification: 02/07/2001  
Category: 72 HR  
Official City: NEW BEDFORD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PAYNE CUTLERY (Continued)

1000709686

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ETHENE, TRICHLORO-  
Amount: 5, parts per million  
Location Type: INDUSTRIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Hazardous Material

29  
ENE  
1/4-1/2  
1923 ft.

CORNER OF N FRONT ST  
40 BULLARD ST  
NEW BEDFORD, MA

Release S104232392  
SHWS N/A

Relative:  
Lower

Actual:  
40 ft.

SHWS:  
Facility ID: 4-0011580  
Site Status: TIER1D  
Source Type: CRANKCASE  
Release Town: NEW BEDFORD  
Notification Date : 08/07/1995  
Category : TWO HR  
Associated ID : -  
Status Date : 08/14/1996  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: Not reported  
Location Type: 6FAMUNIT  
RESIDENTIAL  
Source Type: CRANKCASE  
VEHICLE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

CORNER OF N FRONT ST (Continued)

S104232392

Facility ID: 4-0011580  
Site Status: TIER1D  
Source Type: VEHICLE  
Release Town: NEW BEDFORD  
Notification Date : 08/07/1995  
Category : TWO HR  
Associated ID : -  
Status Date : 08/14/1996  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: Not reported  
Location Type: 6FAMUNIT  
RESIDENTIAL  
Source Type: CRANKCASE  
VEHICLE

MA RELEASE:

Facility ID: 4-0011580  
Facility Status: TIER1D  
Status Date: 08/14/1996  
Phase: Not reported  
Notification: 08/07/1995  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: Not reported  
Location Type: 6FAMUNIT  
RESIDENTIAL  
Source Type: CRANKCASE  
VEHICLE  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

30  
SSW  
1/4-1/2  
1980 ft.

**PROPERTY**  
**100 PENNIMAN ST**  
**NEW BEDFORD, MA 02740**

Release  
SHWS S105039539  
N/A

Relative:  
Higher

Actual:  
101 ft.

SHWS:  
Facility ID: 4-0006052  
Site Status: TIER1D  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 12/13/1999  
Category : NONE  
Associated ID : -  
Status Date : 03/06/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:  
Facility ID: 4-0006052  
Facility Status: TIER1D  
Status Date: 03/06/1995  
Phase: Not reported  
Notification: 12/13/1999  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)      EDR ID Number  
 EPA ID Number

31      **NO LOCATION AID**  
 East      206-378 BELLEVILLE AVE  
 1/4-1/2      NEW BEDFORD, MA  
 2144 ft.

Release      S104232396  
 SHWS      N/A  
 LUST

Relative:  
 Lower

Actual:  
 17 ft.

SHWS:  
 Facility ID: 4-0011675  
 Site Status: Response Action Outcome  
 Source Type: AST  
 Release Town: NEW BEDFORD  
 Notification Date : 09/19/1995  
 Category : TWO HR  
 Associated ID : -  
 Status Date : 12/05/2001  
 Phase : PHASE III  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 4  
 Amount: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 6  
 Amount: Not reported  
 Chemical Released:  
 Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
 Amount: Not reported  
 Location Type: INDUSTRIAL  
 Source Type: AST  
                  DRUMS  
                  DUMPING  
                  UST

Facility ID: 4-0011675  
 Site Status: Response Action Outcome  
 Source Type: DRUMS  
 Release Town: NEW BEDFORD  
 Notification Date : 09/19/1995  
 Category : TWO HR  
 Associated ID : -  
 Status Date : 12/05/2001  
 Phase : PHASE III  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 4  
 Amount: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 6  
 Amount: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S104232396

Chemical Released:

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: INDUSTRIAL  
Source Type: AST  
DRUMS  
DUMPING  
UST

Facility ID: 4-0011675  
Site Status: Response Action Outcome  
Source Type: DUMPING  
Release Town: NEW BEDFORD  
Notification Date : 09/19/1995  
Category : TWO HR  
Associated ID : -  
Status Date : 12/05/2001  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:

Activity Use Limitaion:  
LSP Number: Not reported

Chemical Released:

Chemical: FUEL OIL 4  
Amount: Not reported

Chemical Released:

Chemical: FUEL OIL 6  
Amount: Not reported

Chemical Released:

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: INDUSTRIAL  
Source Type: AST  
DRUMS  
DUMPING  
UST

Facility ID: 4-0011675  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 09/19/1995  
Category : TWO HR  
Associated ID : -  
Status Date : 12/05/2001  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

S104232396

**NO LOCATION AID (Continued)**

Chemical:    FUEL OIL 4  
 Amount:    Not reported  
 Chemical Released:  
 Chemical:    FUEL OIL 6  
 Amount:    Not reported  
 Chemical Released:  
 Chemical:    UNKNOWN CHEMICAL OF UNKNOWN TYPE  
 Amount:    Not reported  
 Location Type:    INDUSTRIAL  
 Source Type:    AST  
                   DRUMS  
                   DUMPING  
                   UST

**LUST:**

Facility ID:    4-0011675  
 Site Status:    Response Action Outcome  
 Source Type:    UST  
 Release Town:    NEW BEDFORD  
 Notification Date : 09/19/1995  
 Category :    TWO HR  
 Associated ID :    -  
 Status Date :    12/05/2001  
 Phase :    PHASE III  
 Action:  
   Date:    Not reported  
   Type:    Not reported  
   Status:    Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number:    Not reported  
 Chemical Released:  
   Chemical:    FUEL OIL 4  
   Amount:    Not reported  
 Chemical Released:  
   Chemical:    FUEL OIL 6  
   Amount:    Not reported  
 Chemical Released:  
   Chemical:    UNKNOWN CHEMICAL OF UNKNOWN TYPE  
   Amount:    Not reported  
 Location Type:    INDUSTRIAL  
 Source Type:    AST  
                   DRUMS  
                   DUMPING  
                   UST

**MA RELEASE:**

Facility ID:    4-0011675  
 Facility Status:    Response Action Outcome  
 Status Date:    12/05/2001  
 Phase:    PHASE III  
 Notification:    09/19/1995  
 Category:    TWO HR  
 Official City:    NEW BEDFORD  
 Action:  
   Date:    Not reported  
   Type:    Not reported  
   Status:    Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**NO LOCATION AID (Continued)**

**S104232396**

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 4  
Amount: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: INDUSTRIAL  
Source Type: AST  
DRUMS  
DUMPING  
UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : B1  
Oil / Haz Material Type : Oil

32  
NE  
1/4-1/2  
2260 ft.

**MY BREAD BAKERY  
229 COFFIN AVE  
NEW BEDFORD, MA**

Release S104232371  
SHWS N/A

Relative:  
Lower

**SHWS:**

Facility ID: 4-0010412  
Site Status: Response Action Outcome  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 04/08/1994  
Category : 120 DY  
Associated ID : -  
Status Date : 05/10/1994  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 883, parts per million  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: UNKNOWN

Actual:  
38 ft.

**MA RELEASE:**

Facility ID: 4-0010412  
Facility Status: Response Action Outcome  
Status Date: 05/10/1994  
Phase: Not reported  
Notification: 04/08/1994  
Category: 120 DY  
Official City: NEW BEDFORD  
Action:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Database(s)  
 EDR ID Number  
 EPA ID Number

**MY BREAD BAKERY (Continued)**

S104232371

Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: GASOLINE  
 Amount: 883, parts per million  
 Location Type: COMMERCIAL  
                   INDUSTRIAL  
 Source Type: UNKNOWN  
 ASC Release Tracking Number: Not reported  
 Response Action Outcome Class : B1  
 Oil / Haz Material Type : Oil

33  
 East  
 1/4-1/2  
 2504 ft.

**NEW BEDFORD HARBOR NPL SITE**  
**103 SAWYER ST**  
**NEW BEDFORD, MA**

Release S104232369  
 SHWS N/A

Relative:  
 Lower

Actual:  
 12 ft.

SHWS:  
 Facility ID: 4-0010193  
 Site Status: ADQREG  
 Source Type: PIPE  
 Release Town: NEW BEDFORD  
 Notification Date : 01/11/1994  
 Category : TWO HR  
 Associated ID : -  
 Status Date : 07/22/1994  
 Phase : Not reported  
 Action:  
     Date: Not reported  
     Type: Not reported  
     Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
     Chemical: HYDROGEN PEROXIDE (H2O2)  
     Amount: 600, gallons  
 Chemical Released:  
     Chemical: HYDROGEN PEROXIDE (H2O2)  
     Amount: 600, gallons  
 Location Type: INDUSTRIAL  
                   RESIDENTIAL  
                   WATERBODY  
 Source Type: PIPE

MA RELEASE:  
 Facility ID: 4-0010193  
 Facility Status: ADQREG  
 Status Date: 07/22/1994  
 Phase: Not reported  
 Notification: 01/11/1994  
 Category: TWO HR  
 Official City: NEW BEDFORD  
 Action:  
     Date: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

NEW BEDFORD HARBOR NPL SITE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104232369

Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: HYDROGEN PEROXIDE (H2O2)  
Amount: 600, gallons  
Chemical Released:  
Chemical: HYDROGEN PEROXIDE (H2O2)  
Amount: 600, gallons  
Location Type: INDUSTRIAL  
RESIDENTIAL  
WATERBODY  
Source Type: PIPE  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Hazardous Material

34  
NNE  
1/4-1/2  
2532 ft.

CUMBERLAND FARMS  
1737 ACUSHNET AVE  
NEW BEDFORD, MA 02740

Release S100831667  
SHWS N/A  
LUST  
INST CONTROL

Relative:  
Higher

SHWS:

Actual:  
76 ft.

Facility ID: 4-0001298  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 05/21/1993  
Category : NONE  
Associated ID : -  
Status Date : 12/29/1994  
Phase : Not reported  
Action:  
Date: 11/04/1994  
Type: Activity and Use Limitation  
Status: Transmittal Received  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: FORMER  
GASSTATION  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

CUMBERLAND FARMS (Continued)

S100831667

LUST:

Facility ID: 4-0001298  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 05/21/1993  
Category : NONE  
Associated ID : -  
Status Date : 12/29/1994  
Phase : Not reported  
Action:  
Date: 11/04/1994  
Type: Activity and Use Limitation  
Status: Transmittal Received  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: FORMER  
GASSTATION  
Source Type: UST

MA INSTITUTIONAL CONTROL:

Release Tracking Number: 4-0001298  
Action Type: AUL  
Action Status: RECPT  
Action Date: 11/04/1994

MA RELEASE:

Facility ID: 4-0001298  
Facility Status: Response Action Outcome  
Status Date: 12/29/1994  
Phase: Not reported  
Notification: 05/21/1993  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: 11/04/1994  
Type: Activity and Use Limitation  
Status: Transmittal Received  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: FORMER  
GASSTATION  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A3  
Oil / Haz Material Type : Oil

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**CUMBERLAND FARMS (Continued)**

Database(s) EDR ID Number  
 EPA ID Number

S100831667

**35** **PROPERTY**  
**SE** **5 HICKS ST**  
**1/2-1** **NEW BEDFORD, MA 02740**  
**2663 ft.**

**MA Spills** **S101043535**  
**SHWS** **N/A**

**Relative:**  
**Lower**

**SHWS:**

**Actual:**  
**22 ft.**

Facility ID: 4-0000491  
 Site Status: Response Action Outcome  
 Source Type: Not reported  
 Release Town: NEW BEDFORD  
 Notification Date : 01/15/1988  
 Category : NONE  
 Associated ID : -  
 Status Date : 02/13/2003  
 Phase : PHASE III  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
 Amount: Not reported  
 Location Type: Not reported  
 Source Type: Not reported

**MA Spills:**

Facility ID: 4-0491	Spill ID: S92-0528
Staff Lead: KEARNS, R	Date Entered: 12/09/1993
Last Entered: 07/29/1992	First Response: 07/29/1992
Spill Date: 07/29/1992	Report Date: 07/29/1992
Spill Time: 03:00PM	Report Time: 09:30AM
Case Closed: YES	Mat Type: PETROLEUM
Virgin Waste: VIRGIN	Contam Soil: Not reported
Env Impact: SOIL	Other Impact: Not reported
Material: GASOLINE	Other Material: Not reported
CAS No: Not reported	PCB Lev (ppm): -----
Qty Reported: UNKNOWN -----	
Qty Actual: UNKNOWN -----	
Source: U.S.T.	Other Source: Not reported
Incident: -----	Other Incdnt: Not reported
Cleanup Type: ---	Contractor: NOT USED
Referral: SA	LUST Elig: NO
Notifier: DPT CHF PAUL LEDGER/FD	
Notif Tel: Not reported	
Report Prep: Not reported	Category: Not reported
Days/Close: 0	

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**G36**  
**NNE**  
**1/2-1**  
**2678 ft.**

**AMERADA HESS 21516**  
**1783 ACUSHNET AVE**  
**NEW BEDFORD, MA 02746**

**RCRIS-SQG**    **1000263702**  
**FINDS**       **MAD982198079**  
**Release**  
**SHWS**  
**LUST**

Site 1 of 2 in cluster G

Relative:  
 Higher

RCRIS:

Owner: AMERADA HESS CORP  
 (732) 750-6000

Actual:  
 76 ft.

EPA ID: MAD982198079

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator  
 TSDF Activities: Not reported

Violation Status: No violations found

CT MANIFEST

Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

SHWS:

Facility ID: 4-0011555  
 Site Status: TIERII  
 Source Type: PIPE  
 Release Town: NEW BEDFORD  
 Notification Date : 07/28/1995  
 Category : 72 HR  
 Associated ID : 4-0011555  
 Status Date : 08/02/1996  
 Phase : PHASE V  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 2  
 Amount: 100, gallons  
 Chemical Released:  
 Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
 Amount: Not reported  
 Location Type: Not reported  
 Source Type: PIPE  
 UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

AMERADA HESS 21516 (Continued)

1000263702

Facility ID: 4-0011555  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/28/1995  
Category : 72 HR  
Associated ID : 4-0011555  
Status Date : 08/02/1996  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 100, gallons  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
Amount: Not reported  
Location Type: Not reported  
Source Type: PIPE  
UST

LUST:

Facility ID: 4-0011555  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/28/1995  
Category : 72 HR  
Associated ID : 4-0011555  
Status Date : 08/02/1996  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 100, gallons  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
Amount: Not reported  
Location Type: Not reported  
Source Type: PIPE  
UST

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

Database(s) EDR ID Number  
 EPA ID Number

**AMERADA HESS 21516 (Continued)**

1000263702

**MA RELEASE:**

Facility ID: 4-0011555  
 Facility Status: TIERII  
 Status Date: 08/02/1996  
 Phase: PHASE V  
 Notification: 07/28/1995  
 Category: 72 HR  
 Official City: NEW BEDFORD

Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

**Chemical Released:**

Chemical: FUEL OIL 2  
 Amount: 100, gallons

**Chemical Released:**

Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
 Amount: Not reported

Location Type: Not reported

Source Type: PIPE

UST

ASC Release Tracking Number: 4-0011555

Response Action Outcome Class : Not reported

Oil / Haz Material Type : Oil

H37 DEBROSS OIL CO INC  
 NNE 465 N FRONT ST  
 1/2-1 NEW BEDFORD, MA 02746  
 2684 ft.

UST U003654389  
 Release N/A  
 SHWS

**Site 1 of 2 in cluster H**

Relative:  
 Higher

**SHWS:**

Actual:  
 55 ft.

Facility ID: 4-0000775  
 Site Status: TIERII  
 Source Type: Not reported  
 Release Town: NEW BEDFORD  
 Notification Date : 01/15/1990  
 Category : NONE  
 Associated ID : -  
 Status Date : 03/25/1997  
 Phase : Not reported

Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

**Chemical Released:**

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

Amount: Not reported

Location Type: Not reported

Source Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DEBROSS OIL CO INC (Continued)

U003654389

Facility ID: 4-0015306  
Site Status: Response Action Outcome  
Source Type: PIPE  
Release Town: NEW BEDFORD  
Notification Date : 02/17/2000  
Category : TWO HR  
Associated ID : -  
Status Date : 08/21/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 50, gallons  
Location Type: COMMERCIAL  
Source Type: PIPE

MA RELEASE:

Facility ID: 4-0000775  
Facility Status: TIERII  
Status Date: 03/25/1997  
Phase: Not reported  
Notification: 01/15/1990  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

Facility ID: 4-0015306  
Facility Status: Response Action Outcome  
Status Date: 08/21/2000  
Phase: Not reported  
Notification: 02/17/2000  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DEBROSS OIL CO INC (Continued)

U003654389

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 50, gallons  
Location Type: COMMERCIAL  
Source Type: PIPE  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A1  
Oil / Haz Material Type : Oil

UST:

Facility ID: 3490  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 10000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746

Serial Number: Not reported  
Aboveground: No  
Contents: Kerosene  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3490  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 10000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746

Serial Number: Not reported  
Aboveground: No  
Contents: Kerosene  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

DEBROSS OIL CO INC (Continued)

U003654389

Facility ID: 3490  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 10000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3490  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 10000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3490  
Tank ID: 5  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 20000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

DEBROSS OIL CO INC (Continued)

U003654389

Facility ID: 3490  
Tank ID: 6  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 20000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3490  
Tank ID: 7  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 2000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Diesel  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3490  
Tank ID: 8  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 2000  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

DEBROSS OIL CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003654389

Facility ID: 3490  
Tank ID: 9  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 260  
Owner: DEBROSS OIL CO INC  
Owner Address: 465 N FRONT ST  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Waste Oil  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

38  
East  
1/2-1  
2685 ft.

FAIRHAVEN MILLS  
94 SAWYER ST  
NEW BEDFORD, MA

Release S102967711  
SHWS N/A  
LUST

Relative:  
Lower

SHWS:

Actual:  
12 ft.

Facility ID: 4-0013648  
Site Status: ADQREG  
Source Type: DRUMS  
Release Town: NEW BEDFORD  
Notification Date : 02/03/1998  
Category : TWO HR  
Associated ID : -  
Status Date : 02/03/1998  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: WASTE OIL  
Amount: 110, gallons  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: DRUMS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

FAIRHAVEN MILLS (Continued)

S102967711

Facility ID: 4-0014995  
Site Status: TIER1D  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 09/03/1999  
Category : 72 HR  
Associated ID : -  
Status Date : 09/12/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 460, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

LUST:  
Facility ID: 4-0014995  
Site Status: TIER1D  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 09/03/1999  
Category : 72 HR  
Associated ID : -  
Status Date : 09/12/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 460, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:  
Facility ID: 4-0013648  
Facility Status: ADQREG  
Status Date: 02/03/1998  
Phase: Not reported  
Notification: 02/03/1998  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

FAIRHAVEN MILLS (Continued)

S102967711

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: WASTE OIL  
Amount: 110, gallons  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: DRUMS  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Facility ID: 4-0014995  
Facility Status: TIER1D  
Status Date: 09/12/2000  
Phase: Not reported  
Notification: 09/03/1999  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 460, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

H39  
NNE  
1/2-1  
2690 ft.

466 NORTH FRONT ST  
NEW BEDFORD, MA

MA Spills S101023032  
SHWS N/A

Site 2 of 2 in cluster H

Relative:  
Higher

SHWS:

Actual:  
55 ft.

Facility ID: 4-0017730  
Site Status: Unclassified Waste Site  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 03/20/2003  
Category : 120 DY  
Associated ID : -  
Status Date : 03/20/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

(Continued)

S101023032

Chemical Released:

Chemical: Not reported  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

MA Spills:

Facility ID:	4-0775	Spill ID:	S89-0418
Staff Lead:	OTHER	Date Entered:	06/27/1989
Last Entered:	06/20/1989	First Response:	06/20/1989
Spill Date:	06/20/1989	Report Date:	06/20/1989
Spill Time:	Not reported	Report Time:	03:00PM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	KEROSSENE
CAS No:	Not reported	PCB Lev (ppm):	_____
Qty Reported:	UNKNOWN _____		
Qty Actual:	_____		
Source:	U.S.T.	Other Source:	Not reported
Incident:	LEAK	Other Incdnt:	Not reported
Cleanup Type:	SSC	Contractor:	NOT USED
Referral:	SA	LUST Elig:	NO
Notifier:	RICH MANDELL		
Notif Tel:	Not reported	Category:	Not reported
Report Prep:	Not reported		
Days/Close:	0		

G40  
NNE  
1/2-1  
2705 ft.

MERIT STATION  
1793 ACUSHNET AVE  
NEW BEDFORD, MA

Release S104180041  
SHWS N/A  
LUST

Site 2 of 2 in cluster G

Relative:  
Higher

SHWS:

Actual:  
76 ft.

Facility ID: 4-0015050  
Site Status: Response Action Outcome Not Required  
Source Type: PIPE  
Release Town: NEW BEDFORD  
Notification Date : 10/12/1999  
Category : 72 HR  
Associated ID : 4-0011555  
Status Date : 02/23/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: .6, inches  
Location Type: COMMERCIAL  
RESIDENTIAL  
Source Type: PIPE  
UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MERIT STATION (Continued)

S104180041

Facility ID: 4-0015050  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 10/12/1999  
Category : 72 HR  
Associated ID : 4-0011555  
Status Date : 02/23/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: .6, inches  
Location Type: COMMERCIAL  
RESIDENTIAL  
Source Type: PIPE  
UST

LUST:

Facility ID: 4-0015050  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 10/12/1999  
Category : 72 HR  
Associated ID : 4-0011555  
Status Date : 02/23/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: .6, inches  
Location Type: COMMERCIAL  
RESIDENTIAL  
Source Type: PIPE  
UST

MA RELEASE:

Facility ID: 4-0015050  
Facility Status: Response Action Outcome Not Required  
Status Date: 02/23/2000  
Phase: Not reported  
Notification: 10/12/1999  
Category: 72 HR  
Official City: NEW BEDFORD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

MERIT STATION (Continued)

S104180041

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: .6, inches  
Location Type: COMMERCIAL  
RESIDENTIAL  
Source Type: PIPE  
UST  
ASC Release Tracking Number: 4-0011555  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

41  
NNW  
1/2-1  
2816 ft.

NO LOCATION AID  
268 CHURCH ST  
NEW BEDFORD, MA

Release S103812581  
SHWS N/A  
LUST

Relative:  
Higher

Actual:  
91 ft.

SHWS:  
Facility ID: 4-0014431  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/31/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 05/10/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 2100, micrograms per kilogram  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 2900, micrograms per kilogram  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 310, micrograms per kilogram  
Location Type: RESIDENTIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S103812581

LUST:

Facility ID: 4-0014431  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/31/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 05/10/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 2100, micrograms per kilogram  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 2900, micrograms per kilogram  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 310, micrograms per kilogram  
Location Type: RESIDENTIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0014431  
Facility Status: Response Action Outcome  
Status Date: 05/10/1999  
Phase: Not reported  
Notification: 12/31/1998  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 2100, micrograms per kilogram  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 2900, micrograms per kilogram  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 310, micrograms per kilogram  
Location Type: RESIDENTIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NO LOCATION AID (Continued)**

S103812581

Oil / Haz Material Type : Oil

**42**  
**SE**  
**1/2-1**  
**2870 ft.**

**NO LOCATION AID**  
**122-132 FRONT ST**  
**NEW BEDFORD, MA**

**Release** S105125201  
**SHWS** N/A

**Relative:**  
**Lower**

**Actual:**  
**22 ft.**

**SHWS:**

Facility ID: 4-0016301  
 Site Status: TIER1D  
 Source Type: UNKNOWN  
 Release Town: NEW BEDFORD  
 Notification Date : 06/12/2001  
 Category : 120 DY  
 Associated ID : -  
 Status Date : 06/19/2002  
 Phase : Not reported  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: PETROLEUM BASED OIL  
 Amount: Not reported  
 Location Type: ROADWAY  
 Source Type: UNKNOWN

**MA RELEASE:**

Facility ID: 4-0016301  
 Facility Status: TIER1D  
 Status Date: 06/19/2002  
 Phase: Not reported  
 Notification: 06/12/2001  
 Category: 120 DY  
 Official City: NEW BEDFORD  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: PETROLEUM BASED OIL  
 Amount: Not reported  
 Location Type: ROADWAY  
 Source Type: UNKNOWN  
 ASC Release Tracking Number: Not reported  
 Response Action Outcome Class : Not reported  
 Oil / Haz Material Type : Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

43 RALPH H CHASE JR  
SSW 54 MOUNT PLEASANT ST  
1/2-1 NEW BEDFORD, MA 02740  
2927 ft.

UST U002007814  
Release N/A  
SHWS  
LUST  
INST CONTROL

Relative:  
Higher

SHWS:

Actual:  
144 ft.

Facility ID: 4-0000879  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 09/12/1990  
Category : NONE  
Associated ID : -  
Status Date : 12/09/1994  
Phase : Not reported  
Action:  
Date: 11/06/2003  
Type: Activity and Use Limitation  
Status: SNAUDI  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: 1127  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UST

LUST:

Facility ID: 4-0000879  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 09/12/1990  
Category : NONE  
Associated ID : -  
Status Date : 12/09/1994  
Phase : Not reported  
Action:  
Date: 11/06/2003  
Type: Activity and Use Limitation  
Status: SNAUDI  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: 1127  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UST

MA INSTITUTIONAL CONTROL:

Release Tracking Number: 4-0000879  
Action Type: AUL  
Action Status: SNAUDI  
Action Date: 11/06/2003

MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

Database(s) EDR ID Number  
EPA ID Number

**RALPH H CHASE JR (Continued)**

**U002007814**

**MA RELEASE:**

Facility ID: 4-0000879  
Facility Status: Response Action Outcome  
Status Date: 12/09/1994  
Phase: Not reported  
Notification: 09/12/1990  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: 11/06/2003  
Type: Activity and Use Limitation  
Status: SNAUDI  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: 1127  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A3  
Oil / Haz Material Type : Oil

**UST:**

Facility ID: 3476  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 3000  
Owner: RALPH H CHASE JR  
Owner Address: 54 MT PLEASANT  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

RALPH H CHASE JR (Continued)

U002007814

Facility ID: 3476  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 3000  
Owner: RALPH H CHASE JR  
Owner Address: 54 MT PLEASANT  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3476  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: RALPH H CHASE JR  
Owner Address: 54 MT PLEASANT  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3476  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: RALPH H CHASE JR  
Owner Address: 54 MT PLEASANT  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**RALPH H CHASE JR (Continued)**

U002007814

Facility ID:            3476  
 Tank ID:                5  
 Tank Status:          Removed  
 Tank Useage:         Not reported  
 Capacity:              250  
 Owner:                 RALPH H CHASE JR  
 Owner Address:       54 MT PLEASANT  
                               NEW BEDFORD, MA 02740  
  
 Serial Number:        Not reported  
 Aboveground:         No  
 Contents:              Waste Oil  
 Tank Material:        Steel  
 Tank Contents:        Not reported  
 Tank Leak Detection: Not reported  
 Pipe Leak Detection: Not reported

**44**            **LUZO FOOD SERVICE CORP**  
**North**        **376 NASH RD**  
**1/2-1**        **NEW BEDFORD, MA 02740**  
**2977 ft.**

**MA Spills**    **S101026707**  
**SHWS**        **N/A**  
**LUST**

**Relative:**  
**Higher**

**SHWS:**

**Actual:**  
**85 ft.**

Facility ID:            4-0000846  
 Site Status:           REMOPS  
 Source Type:          UST  
 Release Town:        NEW BEDFORD  
 Notification Date : 12/05/1989  
 Category :            NONE  
 Associated ID :       -  
 Status Date :         02/18/2003  
 Phase :                PHASE V  
 Action:  
   Date:                Not reported  
   Type:                Not reported  
   Status:              Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number:          Not reported  
 Chemical Released:  
   Chemical:            PETROLEUM BASED OIL  
   Amount:              Not reported  
 Location Type:        COMMERCIAL  
                               INDUSTRIAL  
 Source Type:          UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LUZO FOOD SERVICE CORP (Continued)

S101026707

LUST:

Facility ID: 4-0000846  
Site Status: REMOPS  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/05/1989  
Category : NONE  
Associated ID : -  
Status Date : 02/18/2003  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: UST

MA Spills:

Facility ID: 4-0846  
Staff Lead: PINAUD, L  
Last Entered: 10/20/1989  
Spill Date: 10/20/1989  
Spill Time: Not reported  
Case Closed: YES  
Virgin Waste: VIRGIN  
Env Impact: Not reported  
Material: DIESEL FUEL  
CAS No: Not reported  
Qty Reported: UNKNOWN GALLONS  
Qty Actual: UNKNOWN GALLONS  
Source: U.S.T.  
Incident: LEAK  
Cleanup Type: ---  
Referral: SA  
Notifier: CARL RIBEIRO/LUZO  
Notif Tel: Not reported  
Report Prep: Not reported  
Days/Close: 1

Spill ID: S89-0741  
Date Entered: Not reported  
First Response: 10/20/1989  
Report Date: 10/20/1989  
Report Time: 11:45AM  
Mat Type: PETROLEUM  
Contam Soil: Not reported  
Other Impact: Not reported  
Other Material: Not reported  
PCB Lev (ppm): NONE

Other Source: Not reported  
Other Incdnt: Not reported  
Contractor: NOT USED  
LUST Elig: ---  
Category: Not reported

I45 B&S REALTY  
SE 100 NORTH FRONT ST  
1/2-1 NEW BEDFORD, MA  
3019 ft.  
Site 1 of 2 in cluster I  
Relative:  
Lower  
Actual:  
21 ft.

Release S103812629  
SHWS N/A

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

B&S REALTY (Continued)

S103812629

SHWS:

Facility ID: 4-0014546  
Site Status: Response Action Outcome  
Source Type: AST  
Release Town: NEW BEDFORD  
Notification Date : 02/19/1999  
Category : TWO HR  
Associated ID : -  
Status Date : 03/29/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: 20, gallons  
Location Type: ROADWAY  
Source Type: AST

MA RELEASE:

Facility ID: 4-0014546  
Facility Status: Response Action Outcome  
Status Date: 03/29/1999  
Phase: Not reported  
Notification: 02/19/1999  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: 20, gallons  
Location Type: ROADWAY  
Source Type: AST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A1  
Oil / Haz Material Type : Oil

I46  
SE  
1/2-1  
3019 ft.

REVERE COPPER  
100 NORTH FRONT ST  
NEW BEDFORD, MA

Site 2 of 2 in cluster I

Relative:  
Lower

Actual:  
21 ft.

Release S104482721  
SHWS N/A

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

REVERE COPPER (Continued)

S104482721

SHWS:

Facility ID: 4-0015193  
Site Status: Response Action Outcome Not Required  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 12/16/1999  
Category : 120 DY  
Associated ID : 4-0000815  
Status Date : 04/23/2002  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: NICKEL  
Amount: 47000, parts per billion  
Chemical Released:  
Chemical: ZINC  
Amount: 57000, parts per billion  
Location Type: INDUSTRIAL  
Source Type: UNKNOWN

MA RELEASE:

Facility ID: 4-0015193  
Facility Status: Response Action Outcome Not Required  
Status Date: 04/23/2002  
Phase: PHASE II  
Notification: 12/16/1999  
Category: 120 DY  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: NICKEL  
Amount: 47000, parts per billion  
Chemical Released:  
Chemical: ZINC  
Amount: 57000, parts per billion  
Location Type: INDUSTRIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: 4-0000815  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Hazardous Material

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number

EDR ID Number  
EPA ID Number

47  
North  
1/2-1  
3044 ft.

SUNOCO XTRAMART  
367 ASHLEY BLVD  
NEW BEDFORD, MA

Release  
SHWS  
LUST

S103250176  
N/A

Relative:  
Higher

Actual:  
84 ft.

SHWS:  
Facility ID: 4-0013841  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 04/30/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 12/13/2002  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, gallons  
Location Type: COMMERCIAL  
Source Type: UST

LUST:  
Facility ID: 4-0013841  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 04/30/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 12/13/2002  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, gallons  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:  
Facility ID: 4-0013841  
Facility Status: Response Action Outcome  
Status Date: 12/13/2002  
Phase: PHASE V  
Notification: 04/30/1998  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SUNOCO XTRAMART (Continued)

S103250176

Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, gallons  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : C  
Oil / Haz Material Type : Oil

J48  
North  
1/2-1  
3105 ft.

COATERS INCORPORATED  
305 NASH ROAD  
NEW BEDFORD, MA 02746

RCRIS-SQG 1000403405  
FINDS MAD001013606  
Release  
SHWS  
LUST

Relative:  
Higher

Site 1 of 2 in cluster J

Actual:  
81 ft.

RCRIS:  
Owner: COATERS INC  
(617) 555-1212  
EPA ID: MAD001013606  
Contact: PHILIP PATRICK  
(508) 996-6787

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 205(19)  
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty

Regulation Violated: 685(1)  
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty

Regulation Violated: 340(1)(g)  
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty

Regulation Violated: 253(5)(a)  
Area of Violation: 01WVOV  
Date Violation Determined: 10/13/2000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COATERS INCORPORATED (Continued)

1000403405

Actual Date Achieved Compliance: 11/14/2001  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty  
Regulation Violated: 302  
Area of Violation: HAZARDOUS WASTE DETERMINATIONS  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty  
Regulation Violated: 340(1)(k)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty  
Regulation Violated: 685(4)  
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty  
Regulation Violated: 351(9)(c)(6)  
Area of Violation: PREPARDNESS AND PREVENTION  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty  
Regulation Violated: 683  
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty  
Regulation Violated: 340(1)(b)  
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
Date Violation Determined: 10/13/2000  
Actual Date Achieved Compliance: 11/14/2001  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty  
Regulation Violated: 685  
Area of Violation: PREPARDNESS AND PREVENTION  
Date Violation Determined: 11/22/1996  
Actual Date Achieved Compliance: 11/14/2001

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COATERS INCORPORATED (Continued)

1000403405

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 01/09/1997  
Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/25/2001  
Penalty Type: Final Monetary Penalty

Regulation Violated: 351(9)(c)  
Area of Violation: GENERATOR-SQG REQUIREMENTS  
Date Violation Determined: 03/02/1993  
Actual Date Achieved Compliance: 11/22/1996

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/19/1993  
Penalty Type: Not reported

Regulation Violated: 351(f)  
Area of Violation: GENERATOR-SQG REQUIREMENTS  
Date Violation Determined: 03/02/1993  
Actual Date Achieved Compliance: 11/22/1996

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/19/1993  
Penalty Type: Not reported

Regulation Violated: 212(1)  
Area of Violation: GENERATOR RECYCLE/RECLAIM  
Date Violation Determined: 03/02/1993  
Actual Date Achieved Compliance: 11/22/1996

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/19/1993  
Penalty Type: Not reported

Regulation Violated: 206(1)  
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
Date Violation Determined: 03/02/1993  
Actual Date Achieved Compliance: 11/22/1996

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/19/1993  
Penalty Type: Not reported

Regulation Violated: 302  
Area of Violation: HAZARDOUS WASTE DETERMINATIONS  
Date Violation Determined: 03/02/1993  
Actual Date Achieved Compliance: 11/22/1996

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/19/1993  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 08/07/1985  
Actual Date Achieved Compliance: 03/02/1993

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 08/22/1985  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**COATERS INCORPORATED (Continued)**

1000403405

Date Violation Determined: 12/07/1984  
 Actual Date Achieved Compliance: 08/07/1985

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 01/08/1985  
 Penalty Type: Not reported

Regulation Violated: Not reported  
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
 Date Violation Determined: 12/07/1984  
 Actual Date Achieved Compliance: 08/07/1985

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 01/08/1985  
 Penalty Type: Not reported

Penalty Summary:	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	1/25/2001	1000	STATE

There are 19 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance	
Detailed Multimedia Inspection	PREPARDNESS AND PREVENTION	20011114	
	GENERATOR-RECORDKEEPING REQUIREMENTS	20011114	
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER 01WOV	20011114	
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	20011114	
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	20011114	
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	20011114	
	HAZARDOUS WASTE DETERMINATIONS	20011114	
	PREPARDNESS AND PREVENTION	20011114	
	GENERATOR-GENERAL REQUIREMENTS	20011114	
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	20011114	
	RCRA CEI done W/ Screening Checklist Compliance Evaluation Inspection	PREPARDNESS AND PREVENTION	20011114
		GENRATOR-SQG REQUIREMENTS	19961122
		CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	19961122
		HAZARDOUS WASTE DETERMINATIONS	19961122
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19930302	
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850807	
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850807	

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**CT MANIFEST**

Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

**FINDS:**

- Other Pertinent Environmental Activity Identified at Site:
- AIRS/AIRS Facility Subsystem (AIRS/AFS)
  - National Emissions Inventory (NEI)
  - National Emissions Trends (NET)
  - National Toxics Inventory (NTI)
  - Resource Conservation and Recovery Act Information system (RCRAINFO)
  - Toxic Chemical Release Inventory System (TRIS)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COATERS INCORPORATED (Continued)

1000403405

SHWS:

Facility ID: 4-0016254  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 05/18/2001  
Category : 72 HR  
Associated ID : -  
Status Date : 05/24/2002  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: 1200, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

LUST:

Facility ID: 4-0016254  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 05/18/2001  
Category : 72 HR  
Associated ID : -  
Status Date : 05/24/2002  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: 1200, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0016254  
Facility Status: Response Action Outcome  
Status Date: 05/24/2002  
Phase: PHASE II  
Notification: 05/18/2001  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COATERS INCORPORATED (Continued)**

1000403405

Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: PETROLEUM BASED OIL  
 Amount: 1200, parts per million  
 Location Type: COMMERCIAL  
 Source Type: UST  
 ASC Release Tracking Number: Not reported  
 Response Action Outcome Class : B1  
 Oil / Haz Material Type : Oil

J49  
 North  
 1/2-1  
 3105 ft.

**COATERS INC**  
**305 NASH RD**  
**NEW BEDFORD, MA 02740**

MA Spills S101045897  
 SHWS N/A

Site 2 of 2 in cluster J

Relative:  
 Higher

SHWS:

Actual:  
 81 ft.

Facility ID: 4-0012804  
 Site Status: Response Action Outcome  
 Source Type: AST  
 Release Town: NEW BEDFORD  
 Notification Date : 01/23/1997  
 Category : TWO HR  
 Associated ID : -  
 Status Date : 04/04/1997  
 Phase : Not reported  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 4  
 Amount: 100, gallons  
 Location Type: INDUSTRIAL  
 Source Type: AST

MA Spills:

Facility ID: 0000  
 Staff Lead: BRENNAN, S  
 Last Entered: 03/02/1993  
 Spill Date: 03/02/1993  
 Spill Time: 11:00AM  
 Case Closed: YES  
 Virgin Waste: VIRGIN  
 Env Impact: -----  
 Material: #6 FUEL OIL  
 CAS No: Not reported  
 Qty Reported: 51-100 GALLONS  
 Qty Actual: 51-100 GALLONS  
 Source: U.S.T.  
 Incident: OVERFILL  
 Cleanup Type: ---  
 Referral: NO  
 Notifier: PHILIP PATRICK

Spill ID: S93-0128  
 Date Entered: 09/22/1993  
 First Response: 03/02/1993  
 Report Date: 03/02/1993  
 Report Time: 03:29PM  
 Mat Type: PETROLEUM  
 Contam Soil: Not reported  
 Other Impact: Not reported  
 Other Material: Not reported  
 PCB Lev (ppm): NONE  
  
 Other Source: Not reported  
 Other Incdnt: Not reported  
 Contractor: NOT USED  
 LUST Elig: NO

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COATERS INC (Continued)

S101045897

Notif Tel: Not reported  
Report Prep: Not reported Category: Not reported  
Days/Close: 0

50  
NNE  
1/2-1  
3167 ft.

WEIGEL & SON  
282 NASH RD  
NEW BEDFORD, MA 02740

Release S100829290  
SHWS N/A  
LUST

Relative:  
Higher

SHWS:

Actual:  
77 ft.

Facility ID: 4-0000817  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/15/1993  
Category : NONE  
Associated ID : -  
Status Date : 08/08/1997  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UST

Facility ID: 4-0013204  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/18/1997  
Category : 72 HR  
Associated ID : 4-0000817  
Status Date : 07/24/1998  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: .5, inches  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

WEIGEL & SON (Continued)

S100829290

LUST:

Facility ID: 4-0013204  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/18/1997  
Category : 72 HR  
Associated ID : 4-0000817  
Status Date : 07/24/1998  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: .5, inches  
Location Type: COMMERCIAL  
Source Type: UST

Facility ID: 4-0000817  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/15/1993  
Category : NONE  
Associated ID : -  
Status Date : 08/08/1997  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0000817  
Facility Status: TIERII  
Status Date: 08/08/1997  
Phase: PHASE II  
Notification: 07/15/1993  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**WEIGEL & SON (Continued)**

**S100829290**

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

Facility ID: 4-0013204  
Facility Status: Response Action Outcome Not Required  
Status Date: 07/24/1998  
Phase: Not reported  
Notification: 07/18/1997  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: .5, inches  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: 4-0000817  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

51 FAIRHAVEN MILLS REALTY CORP  
ESE 85 COGGESHALL ST  
1/2-1 NEW BEDFORD, MA 02741  
3175 ft.

UST U001534525  
Release N/A  
SHWS

Relative: SHWS:  
Lower Facility ID: 4-0000245  
Site Status: TIER1D  
Actual: Source Type: Not reported  
9 ft. Release Town: NEW BEDFORD  
Notification Date : 04/15/1988  
Category : NONE  
Associated ID : -  
Status Date : 08/09/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FAIRHAVEN MILLS REALTY CORP (Continued)

Database(s)  
EDR ID Number  
EPA ID Number

U001534525

Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:

Facility ID: 4-0000245  
Facility Status: TIER1D  
Status Date: 08/09/1995  
Phase: Not reported  
Notification: 04/15/1988  
Category: NONE  
Official City: NEW BEDFORD

Action:

Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

Amount: Not reported

Location Type: Not reported

Source Type: Not reported

ASC Release Tracking Number: Not reported

Response Action Outcome Class : Not reported

Oil / Haz Material Type : Not reported

UST:

Facility ID: 3398  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 5000  
Owner: FAIRHAVEN MILLS REALTY CORP  
Owner Address: 85 COGGESHALL ST  
NEW BEDFORD, MA 02741

Serial Number: Not reported

Aboveground: No

Contents: Gasoline

Tank Material: Steel

Tank Contents: Not reported

Tank Leak Detection: Not reported

Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

FAIRHAVEN MILLS REALTY CORP (Continued)

U001534525

Facility ID: 3398  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 5000  
Owner: FAIRHAVEN MILLS REALTY CORP  
Owner Address: 85 COGGESHALL ST  
NEW BEDFORD, MA 02741  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

K52 LEONARDS WHARF  
SE 84 FRONT ST  
1/2-1 NEW BEDFORD, MA  
3207 ft.

Release S106131668  
N/A

Site 1 of 2 in cluster K

Relative:  
Lower

MA RELEASE:

Actual:  
16 ft.

Facility ID: 4-0018092  
Facility Status: Unclassified Waste Site  
Status Date: 10/27/2003  
Phase: Not reported  
Notification: 10/27/2003  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 1000, gallons  
Location Type: WATERBODY  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

K53 LEONARDS WHARF  
SE 84 FRONT ST  
1/2-1 NEW BEDFORD, MA  
3207 ft.

SHWS S106132443  
N/A

Site 2 of 2 in cluster K

Relative:  
Lower

Actual:  
16 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LEONARDS WHARF (Continued)

S106132443

SHWS:  
Facility ID: 4-0018092  
Site Status: Unclassified Waste Site  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 10/27/2003  
Category : TWO HR  
Associated ID : -  
Status Date : 10/27/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 1000, gallons  
Location Type: WATERBODY  
Source Type: Not reported

54 CORNER NASH RD  
North 263 BROOK ST  
1/2-1 NEW BEDFORD, MA  
3267 ft.

Release S105596818  
SHWS N/A

Relative:  
Higher

Actual:  
84 ft.

SHWS:  
Facility ID: 4-0017337  
Site Status: Response Action Outcome  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 09/06/2002  
Category : 120 DY  
Associated ID : -  
Status Date : 09/06/2002  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ETHENE, 1,1-DICHLORO-  
Amount: 47, parts per billion  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:  
Facility ID: 4-0017337  
Facility Status: Response Action Outcome  
Status Date: 09/06/2002  
Phase: Not reported  
Notification: 09/06/2002  
Category: 120 DY  
Official City: NEW BEDFORD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CORNER NASH RD (Continued)

S105596818

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ETHENE, 1,1-DICHLORO-  
Amount: 47, parts per billion  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : B1  
Oil / Haz Material Type : Hazardous Material

55  
WNW  
1/2-1  
3332 ft.

PROPERTY  
452-460 MT PLEASANT ST  
NEW BEDFORD, MA 02740

Release S105039533  
SHWS N/A

Relative:  
Higher

Actual:  
108 ft.

SHWS:  
Facility ID: 4-0001114  
Site Status: Downgradient Property Status  
Source Type: OFFSITE  
Release Town: NEW BEDFORD  
Notification Date : 07/15/1993  
Category : NONE  
Associated ID : -  
Status Date : 10/16/1998  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
Amount: Not reported  
Location Type: Not reported  
Source Type: OFFSITE

MA RELEASE:  
Facility ID: 4-0001114  
Facility Status: Downgradient Property Status  
Status Date: 10/16/1998  
Phase: Not reported  
Notification: 07/15/1993  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

PROPERTY (Continued)

Database(s) EDR ID Number  
EPA ID Number

S105039533

Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
Amount: Not reported  
Location Type: Not reported  
Source Type: OFFSITE  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

56  
SE  
1/2-1  
3402 ft.

JUSTIN CLOTHING CO/NATCO  
61 NORTH FRONT ST  
NEW BEDFORD, MA 02741

Release S104232390  
SHWS N/A  
INST CONTROL

Relative:  
Lower

SHWS:

Facility ID: 4-0011454  
Site Status: Response Action Outcome  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 06/14/1995  
Category : TWO HR  
Associated ID : -  
Status Date : 06/21/1996  
Phase : Not reported

Actual:  
16 ft.

Action:  
Date: 08/03/2001  
Type: Activity and Use Limitation  
Status: Action Audited

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:

Chemical: FUEL OIL 4  
Amount: Not reported

Chemical Released:

Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
INDUSTRIAL

Source Type: UNKNOWN

MA INSTITUTIONAL CONTROL:

Release Tracking Number: 4-0011454  
Action Type: AUL  
Action Status: ACTAUD  
Action Date: 08/03/2001

MA RELEASE:

Facility ID: 4-0011454  
Facility Status: Response Action Outcome  
Status Date: 06/21/1996  
Phase: Not reported  
Notification: 06/14/1995  
Category: TWO HR  
Official City: NEW BEDFORD

Action:  
Date: 08/03/2001  
Type: Activity and Use Limitation  
Status: Action Audited  
Response Action Outcome:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

JUSTIN CLOTHING CO/NATCO (Continued)

S104232390

Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 4  
Amount: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A3  
Oil / Haz Material Type : Oil

L57  
ESE  
1/2-1  
3440 ft.

SHELL STATION  
45 COGGESHALL ST  
NEW BEDFORD, MA

Release S104847661  
SHWS N/A  
LUST

Site 1 of 2 in cluster L

Relative:  
Lower

SHWS:  
Facility ID: 4-0015919  
Site Status: Response Action Outcome  
Source Type: OWS  
Release Town: NEW BEDFORD  
Notification Date : 12/13/2000  
Category : TWO HR  
Associated ID : -  
Status Date : 12/20/2001  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Actual:  
6 ft.

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: WASTE OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: OWS

Facility ID: 4-0016364  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/11/2001  
Category : 72 HR  
Associated ID : -  
Status Date : 10/26/2001  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**SHELL STATION (Continued)**

**S104847661**

LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 147, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

**LUST:**

Facility ID: 4-0016364  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 07/11/2001  
Category : 72 HR  
Associated ID : -  
Status Date : 10/26/2001  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 147, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

**MA RELEASE:**

Facility ID: 4-0015919  
Facility Status: Response Action Outcome  
Status Date: 12/20/2001  
Phase: Not reported  
Notification: 12/13/2000  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: WASTE OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: OWS  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SHELL STATION (Continued)

S104847661

Facility ID: 4-0016364  
Facility Status: Response Action Outcome  
Status Date: 10/26/2001  
Phase: Not reported  
Notification: 07/11/2001  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 147, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

L58 NO LOCATION AID  
ESE 45 COGGESHALL ST  
1/2-1 NEW BEDFORD, MA  
3440 ft.

Release S105735998  
SHWS N/A

Site 2 of 2 in cluster L

Relative:  
Lower

SHWS:

Actual:  
6 ft.

Facility ID: 4-0017478  
Site Status: TIERII  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 11/13/2002  
Category : 120 DY  
Associated ID : -  
Status Date : 11/21/2003  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ETHENE, 1,1-DICHLORO-  
Amount: 1.6, parts per billion  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 3.8, parts per million  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 4.3, parts per million  
Chemical Released:  
Chemical: BENZO A PYRENE  
Amount: 3.2, parts per million

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S105735998

Chemical Released:  
Chemical: INDENO(1,2,3-CD)PYRENE  
Amount: 1.9, parts per million  
Chemical Released:  
Chemical: ETHENE, TRICHLORO-  
Amount: 32.5, parts per million  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:  
Facility ID: 4-0017478  
Facility Status: TIERII  
Status Date: 11/21/2003  
Phase: PHASE II  
Notification: 11/13/2002  
Category: 120 DY  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported

Chemical Released:  
Chemical: ETHENE, 1,1-DICHLORO-  
Amount: 1.6, parts per billion  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 3.8, parts per million  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 4.3, parts per million  
Chemical Released:  
Chemical: BENZO A PYRENE  
Amount: 3.2, parts per million  
Chemical Released:  
Chemical: INDENO(1,2,3-CD)PYRENE  
Amount: 1.9, parts per million  
Chemical Released:  
Chemical: ETHENE, TRICHLORO-  
Amount: 32.5, parts per million  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Hazardous Material

M59 GIUSTI BAKERY  
SSE 1707 PURCHASE ST  
1/2-1 NEW BEDFORD, MA 02740  
3660 ft.

Release S100831668  
SHWS N/A  
LUST

Site 1 of 3 in cluster M

Relative:  
Lower

Actual:  
36 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

GIUSTI BAKERY (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S100831668

SHWS:

Facility ID: 4-0001168  
Site Status: Waiver Completion Statement, Permanent  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 04/15/1992  
Category : NONE  
Associated ID : -  
Status Date : 04/15/1997  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UST

LUST:

Facility ID: 4-0001168  
Site Status: Waiver Completion Statement, Permanent  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 04/15/1992  
Category : NONE  
Associated ID : -  
Status Date : 04/15/1997  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0001168  
Facility Status: Waiver Completion Statement, Permanent  
Status Date: 04/15/1997  
Phase: Not reported  
Notification: 04/15/1992  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GIUSTI BAKERY (Continued)**

Database(s)  
EDR ID Number  
EPA ID Number

**S100831668**

Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

**M60**  
**SSE**  
**1/2-1**  
**3660 ft.**

**INTERSECTION WITH HAZARD ST**  
**1707 PURCHASE ST**  
**NEW BEDFORD, MA**

**Release S104232382**  
**SHWS N/A**  
**LUST**

**Site 2 of 3 in cluster M**

**Relative:**  
**Lower**

**Actual:**  
**36 ft.**

**SHWS:**  
Facility ID: 4-0010987  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/12/1994  
Category : 72 HR  
Associated ID : 4-0001168  
Status Date : 10/04/1995  
Phase : Not reported  
**Action:**  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 1300, parts per million  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: 1300, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

INTERSECTION WITH HAZARD ST (Continued)

S104232382

LUST:

Facility ID: 4-0010987  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/12/1994  
Category : 72 HR  
Associated ID : 4-0001168  
Status Date : 10/04/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 1300, parts per million  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: 1300, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0010987  
Facility Status: Response Action Outcome Not Required  
Status Date: 10/04/1995  
Phase: Not reported  
Notification: 12/12/1994  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 1300, parts per million  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: Not reported  
Chemical Released:  
Chemical: PETROLEUM BASED OIL  
Amount: 1300, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: 4-0001168  
Response Action Outcome Class : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

INTERSECTION WITH HAZARD ST (Continued)

S104232382

Oil / Haz Material Type : Oil

N61 NO LOCATION AID  
North 413 ASHLEY BLVD  
1/2-1 NEW BEDFORD, MA  
3718 ft.

Release S103546626  
SHWS N/A  
LUST

Site 1 of 2 in cluster N

Relative:  
Higher

Actual:  
91 ft.

SHWS:  
Facility ID: 4-0014192  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 09/23/1998  
Category : 72 HR  
Associated ID : 4-0000727  
Status Date : 07/22/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 75, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

LUST:  
Facility ID: 4-0014192  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 09/23/1998  
Category : 72 HR  
Associated ID : 4-0000727  
Status Date : 07/22/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 75, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S103546626

MA RELEASE:

Facility ID: 4-0014192  
Facility Status: Response Action Outcome Not Required  
Status Date: 07/22/1999  
Phase: Not reported  
Notification: 09/23/1998  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 75, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: 4-0000727  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

N62  
North  
1/2-1  
3718 ft.

CHRISTIAN TIRE & AUTO CENTER  
413 ASHLEY BLVD  
NEW BEDFORD, MA 02745

RCRIS-SQG 1000263360  
FINDS MAD981893944  
UST  
Release  
SHWS

Relative:  
Higher

Site 2 of 2 in cluster N

Actual:  
91 ft.

RCRIS:  
Owner: CHRISTIAN TIRE & AUTO CENTER  
(617) 555-1212  
EPA ID: MAD981893944  
Contact: ROLAND-A MANNY  
(508) 997-2611  
Classification: Small Quantity Generator  
TSDf Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CHRISTIAN TIRE & AUTO CENTER (Continued)

1000263360

SHWS:

Facility ID: 4-0000727  
Site Status: REMOPS  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 10/15/1989  
Category : NONE  
Associated ID : -  
Status Date : 03/25/2003  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:

Facility ID: 4-0000727  
Facility Status: REMOPS  
Status Date: 03/25/2003  
Phase: PHASE V  
Notification: 10/15/1989  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

CHRISTIAN TIRE & AUTO CENTER (Continued)

1000263360

UST:

Facility ID: 3460  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 3000  
Owner: ROLAND A MANNY JR  
Owner Address: 413 ASHLEY BLVD  
NEW BEDFORD, MA 02745  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3460  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: ROLAND A MANNY JR  
Owner Address: 413 ASHLEY BLVD  
NEW BEDFORD, MA 02745  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3460  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: ROLAND A MANNY JR  
Owner Address: 413 ASHLEY BLVD  
NEW BEDFORD, MA 02745  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number

CHRISTIAN TIRE & AUTO CENTER (Continued)

1000263360

Facility ID: 3460  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 4000  
Owner: ROLAND A MANNY JR  
Owner Address: 413 ASHLEY BLVD  
NEW BEDFORD, MA 02745  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3460  
Tank ID: 5  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 1000  
Owner: ROLAND A MANNY JR  
Owner Address: 413 ASHLEY BLVD  
NEW BEDFORD, MA 02745  
Serial Number: Not reported  
Aboveground: No  
Contents: Waste Oil  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

M63  
SSE  
1/2-1  
3727 ft.

JOHN T NISSEN BAKING CO  
1707 PURCHASE ST  
NEW BEDFORD, MA

MA Spills S101038430  
SHWS N/A  
LUST

Site 3 of 3 in cluster M

Relative:  
Lower

SHWS:  
Facility ID: 4-0011632  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 08/29/1995  
Category : 72 HR  
Associated ID : 4-0001168  
Status Date : 10/04/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 950, parts per million

Actual:  
32 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

JOHN T NISSEN BAKING CO (Continued)

S101038430

Location Type: Not reported  
Source Type: UST

LUST:

Facility ID: 4-0011632  
Site Status: Response Action Outcome Not Required  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 08/29/1995  
Category : 72 HR  
Associated ID : 4-0001168  
Status Date : 10/04/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 950, parts per million  
Location Type: Not reported  
Source Type: UST

MA Spills:

Facility ID:	0000	Spill ID:	S91-0338
Staff Lead:	MORAN, M	Date Entered:	02/28/1992
Last Entered:	06/20/1991	First Response:	06/20/1991
Spill Date:	06/19/1991	Report Date:	06/19/1991
Spill Time:	Not reported	Report Time:	Not reported
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	GASOLINE	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	UNKNOWN -----		
Qty Actual:	UNKNOWN -----		
Source:	U.S.T.	Other Source:	Not reported
Incident:	OTHER RELEASE >	Other Incdnt:	UNKNOWN
Cleanup Type:	SSC	Contractor:	NOT USED
Referral:	NO	LUST Elig:	---
Notifier:	TOM SIMMONS/J B PLUNKETT ENV		
Notif Tel:	Not reported	Category:	Not reported
Report Prep:	Not reported		
Days/Close:	1		

64 NEW BEDFORD ROOFING  
SW 169 MT VERNON ST  
1/2-1 NEW BEDFORD, MA 02740  
3732 ft.

Release U003302540  
SHWS N/A  
AST

Relative:  
Higher

Actual:  
136 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NEW BEDFORD ROOFING (Continued)

U003302540

SHWS:

Facility ID: 4-0014524  
Site Status: Response Action Outcome  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 02/11/1999  
Category : 72 HR  
Associated ID : -  
Status Date : 04/08/2002  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 250, parts per million  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 250, parts per million  
Location Type: COMMERCIAL  
Source Type: UNKNOWN

MA RELEASE:

Facility ID: 4-0014524  
Facility Status: Response Action Outcome  
Status Date: 04/08/2002  
Phase: PHASE II  
Notification: 02/11/1999  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 250, parts per million  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 250, parts per million  
Location Type: COMMERCIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

AST:

Facility ID: 412  
Tank ID: 1  
Tank Status: Removed  
Tank Use: MV

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NEW BEDFORD ROOFING (Continued)

U003302540

Owner: NEW BEDFORD ROOFING  
Owner Address: 169 MT VERNON  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: Yes  
Contents: Gasoline  
Tank:  
Material: Cathodic  
Construction: 2 Walls  
Leak Detection: Inventory Record-Keeping  
Pipe:  
Material: Steel  
Construction: 1 Wall  
Leak Detection: Not reported

Facility ID: 412  
Tank ID: 2  
Tank Status: Removed  
Tank Use: MV  
Owner: NEW BEDFORD ROOFING  
Owner Address: 169 MT VERNON  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: Yes  
Contents: Diesel  
Tank:  
Material: Cathodic  
Construction: 2 Walls  
Leak Detection: Inventory Record-Keeping  
Pipe:  
Material: Steel  
Construction: 1 Wall  
Leak Detection: Not reported

65 NO LOCATION AID  
ENE 41 COFFIN AVE  
1/2-1 NEW BEDFORD, MA  
3740 ft.

Release S10255572  
SHWS N/A

Relative:  
Lower

SHWS:  
Facility ID: 4-0012704  
Site Status: Response Action Outcome  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 12/13/1996  
Category : TWO HR  
Associated ID : -  
Status Date : 03/12/1997  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 35, gallons

Actual:  
20 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S102555572

Location Type: Not reported  
Source Type: Not reported  
MA RELEASE:  
Facility ID: 4-0012704  
Facility Status: Response Action Outcome  
Status Date: 03/12/1997  
Phase: Not reported  
Notification: 12/13/1996  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 35, gallons  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Not reported

66  
NW  
1/2-1  
3766 ft.

PO BOX 3096  
480 MT PLEASANT ST  
NEW BEDFORD, MA

Release S104000688  
SHWS N/A  
LUST

Relative:  
Higher

Actual:  
114 ft.

SHWS:  
Facility ID: 4-0010308  
Site Status: INVSUB  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 03/03/1994  
Category : 72 HR  
Associated ID : -  
Status Date : 05/27/2003  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UNKNOWN

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PO BOX 3096 (Continued)

S10400688

Facility ID: 4-0014727  
Site Status: TIERII  
Source Type: PIPE  
Release Town: NEW BEDFORD  
Notification Date : 05/14/1999  
Category : TWO HR  
Associated ID : 4-0015344  
Status Date : 05/22/2000  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 500, gallons  
Location Type: COMMERCIAL  
Source Type: PIPE

Facility ID: 4-0015344  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 03/10/2000  
Category : 72 HR  
Associated ID : 4-0014727  
Status Date : 05/22/2000  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 12, inches  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PO BOX 3096 (Continued)

S104000688

LUST:

Facility ID: 4-0015344  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 03/10/2000  
Category : 72 HR  
Associated ID : 4-0014727  
Status Date : 05/22/2000  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 12, inches  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0010308  
Facility Status: INVSUB  
Status Date: 05/27/2003  
Phase: PHASE III  
Notification: 03/03/1994  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Facility ID: 4-0014727  
Facility Status: TIERII  
Status Date: 05/22/2000  
Phase: PHASE III  
Notification: 05/14/1999  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PO BOX 3096 (Continued)

S104000688

Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 500, gallons  
Location Type: COMMERCIAL  
Source Type: PIPE  
ASC Release Tracking Number: 4-0015344  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Facility ID: 4-0015344  
Facility Status: TIERII  
Status Date: 05/22/2000  
Phase: PHASE III  
Notification: 03/10/2000  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:

Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 12, inches  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: 4-0014727  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

O67  
SSE  
1/2-1  
3774 ft.

REVERE COPPER PRODUCTS INC  
24 N FRONT ST  
NEW BEDFORD, MA 02741

UST U003287526  
Release N/A  
SHWS  
LUST

Site 1 of 2 in cluster O

Relative:  
Lower

SHWS:  
Facility ID: 4-0018028  
Site Status: Unclassified Waste Site  
Source Type: AST  
Release Town: NEW BEDFORD  
Notification Date : 09/29/2003  
Category : TWO HR  
Associated ID : -  
Status Date : 09/29/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported

Actual:  
15 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

REVERE COPPER PRODUCTS INC (Continued)

U003287526

Chemical Released:  
Chemical: KEROSENE  
Amount: 70, gallons  
Location Type: INDUSTRIAL  
Source Type: AST

Facility ID: 4-0014654  
Site Status: TIER1B  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 04/09/1999  
Category : 72 HR  
Associated ID : 4-0000815  
Status Date : 04/23/2002  
Phase : PHASE III

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 11.4, inches  
Location Type: INDUSTRIAL  
Source Type: UST

LUST:

Facility ID: 4-0014654  
Site Status: TIER1B  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 04/09/1999  
Category : 72 HR  
Associated ID : 4-0000815  
Status Date : 04/23/2002  
Phase : PHASE III

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 11.4, inches  
Location Type: INDUSTRIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0014654  
Facility Status: TIER1B  
Status Date: 04/23/2002  
Phase: PHASE III  
Notification: 04/09/1999  
Category: 72 HR

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

REVERE COPPER PRODUCTS INC (Continued)

U003287526

Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 11.4, inches  
Location Type: INDUSTRIAL  
Source Type: UST  
ASC Release Tracking Number: 4-0000815  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Facility ID: 4-0018028  
Facility Status: Unclassified Waste Site  
Status Date: 09/29/2003  
Phase: Not reported  
Notification: 09/29/2003  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: KEROSENE  
Amount: 70, gallons  
Location Type: INDUSTRIAL  
Source Type: AST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Hazardous Material

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

REVERE COPPER PRODUCTS INC (Continued)

U003287526

UST:

Facility ID: 3487  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 40000  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Not reported  
Tank Contents: Concrete  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3487  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 45000  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Not reported  
Tank Contents: Concrete  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3487  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 16000  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Not reported  
Tank Contents: Concrete  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

REVERE COPPER PRODUCTS INC (Continued)

U003287526

Facility ID: 3487  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 16000  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Not reported  
Tank Contents: Concrete  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3487  
Tank ID: 5  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 2000  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3487  
Tank ID: 6  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 1100  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Kerosene  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

REVERE COPPER PRODUCTS INC (Continued)

U003287526

Facility ID: 3487  
Tank ID: 7  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 15000  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Not reported  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3487  
Tank ID: 8  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 500  
Owner: REVERE COPPER PRODUCTS INC  
Owner Address: 24 N FRONT ST  
NEW BEDFORD, MA 02740  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Epoxy Coat  
Tank Contents: 2 Walls  
Tank Leak Detection: Interstitial Monitoring  
Pipe Leak Detection: Not reported

O68  
SSE  
1/2-1  
3870 ft.

DELKEN CO  
16 FRONT ST  
NEW BEDFORD, MA 02740

RCRIS-SQG 1000268640  
FINDS MAD108002494  
Release  
SHWS

Site 2 of 2 in cluster O

Relative:  
Lower

RCRIS:  
Owner: KENNETH NANFELT  
(617) 555-1212  
EPA ID: MAD108002494  
Contact: SHERMAN ELWIN  
(508) 990-0289

Actual:  
14 ft.

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 253(5)(b)  
Area of Violation: GENERATOR-SQG REQUIREMENTS  
Date Violation Determined: 12/12/1995  
Actual Date Achieved Compliance: 01/29/1996

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 12/28/1995  
Penalty Type: Not reported

Regulation Violated: 340(1)(i)(K)

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**DELKEN CO (Continued)**

**1000268640**

Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
 Date Violation Determined: 12/12/1995  
 Actual Date Achieved Compliance: 01/29/1996  
 Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 12/28/1995  
 Penalty Type: Not reported  
 Regulation Violated: 340(1)(b)  
 Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
 Date Violation Determined: 12/12/1995  
 Actual Date Achieved Compliance: 01/29/1996  
 Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 12/28/1995  
 Penalty Type: Not reported  
 Regulation Violated: 685(4)  
 Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER  
 Date Violation Determined: 12/12/1995  
 Actual Date Achieved Compliance: 01/29/1996  
 Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 12/28/1995  
 Penalty Type: Not reported  
 Regulation Violated: 314(1)  
 Area of Violation: GENERATOR-MANIFEST REQUIREMENTS  
 Date Violation Determined: 12/12/1995  
 Actual Date Achieved Compliance: 01/29/1996  
 Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 12/28/1995  
 Penalty Type: Not reported  
 Regulation Violated: 351(9)  
 Area of Violation: GENERATOR-SQG REQUIREMENTS  
 Date Violation Determined: 12/12/1995  
 Actual Date Achieved Compliance: 01/29/1996  
 Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 12/28/1995  
 Penalty Type: Not reported

There are 6 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
RCRA CEI done W/ Screening Checklist	GENERATOR-SQG REQUIREMENTS	19960129
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	19960129
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	19960129
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	19960129
	GENERATOR-MANIFEST REQUIREMENTS	19960129
	GENERATOR-SQG REQUIREMENTS	19960129

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

DELKEN CO (Continued)

1000268640

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Integrated Compliance Information System (ICIS)  
Resource Conservation and Recovery Act Information system (RCRAINFO)

SHWS:

Facility ID: 4-0014501  
Site Status: Response Action Outcome  
Source Type: PIPE  
Release Town: NEW BEDFORD  
Notification Date : 02/06/1999  
Category : TWO HR  
Associated ID : -  
Status Date : 04/06/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: AMMONIA  
Amount: 2, pounds  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: PIPE

MA RELEASE:

Facility ID: 4-0014501  
Facility Status: Response Action Outcome  
Status Date: 04/06/1999  
Phase: Not reported  
Notification: 02/06/1999  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: AMMONIA  
Amount: 2, pounds  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: PIPE  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A1  
Oil / Haz Material Type : Hazardous Material

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

69 SHAWMUT AVE LANDFILL  
WSW HATHAWAY RD  
1/2-1 NEW BEDFORD, MA  
3919 ft.

Release S104774390  
SHWS N/A

Relative:  
Higher

SHWS:

Actual:  
135 ft.

Facility ID: 4-0015665  
Site Status: ADQREG  
Source Type: DRUMS  
Release Town: NEW BEDFORD  
Notification Date : 08/14/2000  
Category : TWO HR  
Associated ID : -  
Status Date : 08/14/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: 1,1 -BIPHENYL, CHLORO-DERIVS.  
Amount: 800000, parts per million  
Location Type: MUNICIPAL  
Source Type: DRUMS  
TRANSFORM

Facility ID: 4-0015665  
Site Status: ADQREG  
Source Type: TRANSFORM  
Release Town: NEW BEDFORD  
Notification Date : 08/14/2000  
Category : TWO HR  
Associated ID : -  
Status Date : 08/14/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: 1,1 -BIPHENYL, CHLORO-DERIVS.  
Amount: 800000, parts per million  
Location Type: MUNICIPAL  
Source Type: DRUMS  
TRANSFORM

MA RELEASE:

Facility ID: 4-0015665  
Facility Status: ADQREG  
Status Date: 08/14/2000  
Phase: Not reported  
Notification: 08/14/2000  
Category: TWO HR  
Official City: NEW BEDFORD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

SHAWMUT AVE LANDFILL (Continued)

S104774390

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: 1,1 -BIPHENYL, CHLORO-DERIVS.  
Amount: 800000, parts per million  
Location Type: MUNICIPAL  
Source Type: DRUMS  
TRANSFORM  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Hazardous Material

70  
North  
1/2-1  
3936 ft.

MCCREARY TIRE & AUTO  
428 ASHLEY BLVD  
NEW BEDFORD, MA 02740

Release S100829279  
SHWS N/A

Relative:  
Higher

Actual:  
91 ft.

SHWS:  
Facility ID: 4-0000748  
Site Status: DEPNFA  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 07/15/1989  
Category : NONE  
Associated ID : -  
Status Date : 04/18/1996  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UNKNOWN

MA RELEASE:  
Facility ID: 4-0000748  
Facility Status: DEPNFA  
Status Date: 04/18/1996  
Phase: Not reported  
Notification: 07/15/1989  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MCCREARY TIRE & AUTO (Continued)

S100829279

LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UNKNOWN  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

71 BLDG 19  
NE 19 HATHAWAY ST  
1/2-1 NEW BEDFORD, MA  
3972 ft.

Release S104232367  
SHWS N/A

Relative:  
Lower

SHWS:

Facility ID: 4-0010162  
Site Status: TIER1D  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 12/20/1993  
Category : 72 HR  
Associated ID : -  
Status Date : 03/03/1995  
Phase : Not reported

Actual:  
19 ft.

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UNKNOWN

MA RELEASE:

Facility ID: 4-0010162  
Facility Status: TIER1D  
Status Date: 03/03/1995  
Phase: Not reported  
Notification: 12/20/1993  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BLDG 19 (Continued)**

S104232367

Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

72  
West  
1/2-1  
3977 ft.

**STAR SEAT COVER INC**  
**78 HATHAWAY RD**  
**NEW BEDFORD, MA 02740**

Release S100361791  
SHWS N/A

Relative:  
Higher

Actual:  
113 ft.

SHWS:

Facility ID: 4-0000384  
Site Status: DEPNTA  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 07/15/1987  
Category : NONE  
Associated ID : -  
Status Date : 08/02/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:

Facility ID: 4-0000384  
Facility Status: DEPNTA  
Status Date: 08/02/1995  
Phase: Not reported  
Notification: 07/15/1987  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

P73 ADAMS AUTOMOTIVE FMR  
West 953 SHAWMUT AVE  
1/2-1 NEW BEDFORD, MA  
3999 ft.

Release S105200691  
SHWS N/A  
LUST

Site 1 of 2 in cluster P

Relative:  
Higher

SHWS:

Actual:  
131 ft.

Facility ID: 4-0016775  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/12/2001  
Category : 72 HR  
Associated ID : -  
Status Date : 08/21/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: OIL  
Amount: .7,  
Location Type: Not reported  
Source Type: UST

LUST:

Facility ID: 4-0016775  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 12/12/2001  
Category : 72 HR  
Associated ID : -  
Status Date : 08/21/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: OIL  
Amount: .7,  
Location Type: Not reported  
Source Type: UST

MA RELEASE:

Facility ID: 4-0016775  
Facility Status: TIERII  
Status Date: 08/21/2003  
Phase: Not reported  
Notification: 12/12/2001  
Category: 72 HR  
Official City: NEW BEDFORD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ADAMS AUTOMOTIVE FMR (Continued)

S105200691

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: OIL  
Amount: .7,  
Location Type: Not reported  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

P74  
West  
1/2-1  
3999 ft.

ADAMS AUTOMOTIVE INC  
953 SHAWMUT AVE  
NEW BEDFORD, MA 02746

UST U002007818  
Release N/A  
SHWS  
LUST

Site 2 of 2 in cluster P

Relative:  
Higher

Actual:  
131 ft.

SHWS:  
Facility ID: 4-0014778  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 06/04/1999  
Category : 72 HR  
Associated ID : -  
Status Date : 06/05/2000  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ADAMS AUTOMOTIVE INC (Continued)

U002007818

LUST:

Facility ID: 4-0014778  
Site Status: TIERII  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 06/04/1999  
Category : 72 HR  
Associated ID : -  
Status Date : 06/05/2000  
Phase : PHASE II  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0014778  
Facility Status: TIERII  
Status Date: 06/05/2000  
Phase: PHASE II  
Notification: 06/04/1999  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

ADAMS AUTOMOTIVE INC (Continued)

U002007818

UST:

Facility ID: 3482  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 5000  
Owner: ADAMS AUTOMOTIVE INC  
Owner Address: 953 SHAWMUT AVE  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Suction: Check Valve at Tank w/ Line Tightness

Facility ID: 3482  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 10000  
Owner: ADAMS AUTOMOTIVE INC  
Owner Address: 953 SHAWMUT AVE  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Suction: Check Valve at Tank w/ Line Tightness

Facility ID: 3482  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 3000  
Owner: ADAMS AUTOMOTIVE INC  
Owner Address: 953 SHAWMUT AVE  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Suction: Check Valve at Tank w/ Line Tightness

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ADAMS AUTOMOTIVE INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U002007818

Facility ID: 3482  
Tank ID: 4  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 5000  
Owner: ADAMS AUTOMOTIVE INC  
Owner Address: 953 SHAWMUT AVE  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Kerosene  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Suction: Check Valve at Tank w/ Line Tightness

Facility ID: 3482  
Tank ID: 5  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 6000  
Owner: ADAMS AUTOMOTIVE INC  
Owner Address: 953 SHAWMUT AVE  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Diesel  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Suction: Check Valve at Tank w/ Line Tightness

Facility ID: 3482  
Tank ID: 6  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 500  
Owner: ADAMS AUTOMOTIVE INC  
Owner Address: 953 SHAWMUT AVE  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Waste Oil  
Tank Material: Not reported  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ADAMS AUTOMOTIVE INC (Continued)

U002007818

Facility ID: 3482  
Tank ID: 7  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 3000  
Owner: ADAMS AUTOMOTIVE INC  
Owner Address: 953 SHAWMUT AVE  
NEW BEDFORD, MA 02746  
Serial Number: Not reported  
Aboveground: No  
Contents: Fuel Oil  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

75  
NNE  
1/2-1  
4007 ft.

SUBSTATIONS INTERCEPTORS  
HOWARD AVENUE STA  
NEW BEDFORD, MA 02740

Release S100829288  
SHWS N/A

Relative:  
Higher

Actual:  
64 ft.

SHWS:  
Facility ID: 4-0000127  
Site Status: TIERII  
Source Type: SEWER  
Release Town: NEW BEDFORD  
Notification Date : 12/31/1985  
Category : NONE  
Associated ID : -  
Status Date : 01/24/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: SEWER

MA RELEASE:  
Facility ID: 4-0000127  
Facility Status: TIERII  
Status Date: 01/24/1999  
Phase: Not reported  
Notification: 12/31/1985  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**SUBSTATIONS INTERCEPTORS (Continued)**

**S100829288**

LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: SEWER  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

76 **TRANSAMERICA SPINNING MILLS**  
ENE **1 COFFIN AVE**  
1/2-1 **NEW BEDFORD, MA**  
4046 ft.

Release **S105309528**  
SHWS **N/A**

Relative:  
Lower

Actual:  
0 ft.

**SHWS:**

Facility ID: 4-0016811  
Site Status: Response Action Outcome  
Source Type: VEHICLE  
Release Town: NEW BEDFORD  
Notification Date : 01/01/2002  
Category : TWO HR  
Associated ID : -  
Status Date : 03/05/2002  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 40, gallons  
Location Type: INDUSTRIAL  
Source Type: VEHICLE

**MA RELEASE:**

Facility ID: 4-0016811  
Facility Status: Response Action Outcome  
Status Date: 03/05/2002  
Phase: Not reported  
Notification: 01/01/2002  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 40, gallons  
Location Type: INDUSTRIAL  
Source Type: VEHICLE  
ASC Release Tracking Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

TRANSAMERICA SPINNING MILLS (Continued)

S105309528

Response Action Outcome Class : A2  
Oil / Haz Material Type : Not reported

Q77  
SSE  
1/2-1  
4103 ft.

RYDER TRANSPORTATION SERVICES  
730 ACUSHNET AVE  
NEW BEDFORD, MA

Release S105596657  
SHWS N/A

Site 1 of 2 in cluster Q

Relative:  
Lower

Actual:  
19 ft.

SHWS:

Facility ID: 4-0017356  
Site Status: Response Action Outcome  
Source Type: VEHICLE  
Release Town: NEW BEDFORD  
Notification Date : 09/17/2002  
Category : TWO HR  
Associated ID : -  
Status Date : 03/07/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 60, gallons  
Location Type: COMMERCIAL  
Source Type: VEHICLE

MA RELEASE:

Facility ID: 4-0017356  
Facility Status: Response Action Outcome  
Status Date: 03/07/2003  
Phase: Not reported  
Notification: 09/17/2002  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 60, gallons  
Location Type: COMMERCIAL  
Source Type: VEHICLE  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A1  
Oil / Haz Material Type : Oil

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**RYDER TRANSPORATION SERVICES (Continued)**

**S105596657**

**Q78**  
**SSE**  
**1/2-1**  
**4103 ft.**

**RYDER TRUCK RENTAL**  
**730 ACUSHNET AVE**  
**NEW BEDFORD, MA 02740**

**RCRIS-SQG**  
**FINDS**  
**Release**  
**SHWS**  
**LUST**

**1004717519**  
**MAD982710899**

**Site 2 of 2 in cluster Q**

**Relative:**  
**Lower**

**Actual:**  
**19 ft.**

**RCRIS:**  
 Owner: RYDER SYSTEMS INC  
 (617) 555-1212  
 EPA ID: MAD982710899  
 Contact: CHRISTOPHER MARKS  
 (508) 997-6273  
 Classification: Conditionally Exempt Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**CT MANIFEST**

Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Resource Conservation and Recovery Act Information system (RCRAINFO)

**SHWS:**

Facility ID: 4-0013262  
 Site Status: Response Action Outcome  
 Source Type: UST  
 Release Town: NEW BEDFORD  
 Notification Date : 08/07/1997  
 Category : 72 HR  
 Associated ID : -  
 Status Date : 08/14/2000  
 Phase : PHASE III  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
 Amount: 167, parts per million  
 Location Type: COMMERCIAL  
 Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

RYDER TRUCK RENTAL (Continued)

1004717519

LUST:

Facility ID: 4-0013262  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 08/07/1997  
Category : 72 HR  
Associated ID : -  
Status Date : 08/14/2000  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 167, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0013262  
Facility Status: Response Action Outcome  
Status Date: 08/14/2000  
Phase: PHASE III  
Notification: 08/07/1997  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: 167, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : B1  
Oil / Haz Material Type : Not reported

79 CHAMBERLAIN MANUFACTURING CORPORATION  
NNW 117 KING STREET  
1/2-1 NEW BEDFORD, MA 02745  
4148 ft.

Relative:  
Higher

Actual:  
95 ft.

PADS 1000296785  
RCRIS-SQG MAD048975742  
FINDS  
Release  
SHWS  
INST CONTROL

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**CHAMBERLAIN MANUFACTURING CORPORATION (Continued)**

**1000296785**

**RCRIS:**

Owner: CHAMBERLAIN MFG. CO. NEW BEDFORD DIV.  
 (617) 996-5621  
 EPA ID: MAD048975742  
 Contact: PA DANDRIES  
 (508) 996-5621

Classification: Small Quantity Generator  
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
 Date Violation Determined: 10/25/1990  
 Actual Date Achieved Compliance: 10/25/1995

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 12/17/1990  
 Penalty Type: Not reported

Regulation Violated: Not reported  
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
 Date Violation Determined: 03/01/1990  
 Actual Date Achieved Compliance: 10/25/1990

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 03/19/1990  
 Penalty Type: Not reported

Regulation Violated: Not reported  
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
 Date Violation Determined: 09/18/1985  
 Actual Date Achieved Compliance: 10/17/1985

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 09/23/1985  
 Penalty Type: Not reported

Regulation Violated: Not reported  
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
 Date Violation Determined: 08/14/1985  
 Actual Date Achieved Compliance: 03/01/1990

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 09/04/1985  
 Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Other Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19951025
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19901025
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19851017
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900301

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**CT MANIFEST**

Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CHAMBERLAIN MANUFACTURING CORPORATION (Continued)

1000296785

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- AIRS/AIRS Facility Subsystem (AIRS/AFS)
- Biennial Reporting System (BRS)
- Resource Conservation and Recovery Act Information system (RCRAINFO)
- Toxic Chemical Release Inventory System (TRIS)

SHWS:

Facility ID: 4-0001127  
Site Status: TIER1C  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 01/15/1992  
Category : NONE  
Associated ID : 4-0013731  
Status Date : 12/18/1995  
Phase : PHASE IV  
Action:  
Date: 02/03/1999  
Type: Activity and Use Limitation  
Status: Transmittal Received

Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported

Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: UNKNOWN

Facility ID: 4-0013731  
Site Status: Response Action Outcome Not Required  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 03/11/1998  
Category : 72 HR  
Associated ID : 4-0001127  
Status Date : 03/01/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported

Chemical Released:  
Chemical: FUEL OIL 2  
Amount: .5, inches  
Location Type: INDUSTRIAL  
Source Type: UNKNOWN

MA INSTITUTIONAL CONTROL:

Release Tracking Number: 4-0001127  
Action Type: AUL  
Action Status: RECPT  
Action Date: 02/03/1999

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CHAMBERLAIN MANUFACTURING CORPORATION (Continued)

1000296785

MA RELEASE:

Facility ID: 4-0001127  
Facility Status: TIER1C  
Status Date: 12/18/1995  
Phase: PHASE IV  
Notification: 01/15/1992  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: 02/03/1999  
Type: Activity and Use Limitation  
Status: Transmittal Received  
Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: UNKNOWN  
ASC Release Tracking Number: 4-0013731  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

Facility ID: 4-0013731  
Facility Status: Response Action Outcome Not Required  
Status Date: 03/01/1999  
Phase: Not reported  
Notification: 03/11/1998  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: .5, inches  
Location Type: INDUSTRIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: 4-0001127  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

R80 NO LOCATION AID  
NNE 2008 ACUSHNET AVE  
1/2-1 NEW BEDFORD, MA  
4184 ft.  
Site 1 of 2 in cluster R

Relative:  
Higher

Actual:  
67 ft.

Release S103812619  
SHWS N/A  
LUST  
INST CONTROL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S103812619

SHWS:

Facility ID: 4-0014520  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 02/13/1999  
Category : 72 HR  
Associated ID : -  
Status Date : 09/13/2000  
Phase : PHASE II  
Action:  
Date: 03/07/2003  
Type: Activity and Use Limitation  
Status: Action Audited  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 210, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

LUST:

Facility ID: 4-0014520  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 02/13/1999  
Category : 72 HR  
Associated ID : -  
Status Date : 09/13/2000  
Phase : PHASE II  
Action:  
Date: 03/07/2003  
Type: Activity and Use Limitation  
Status: Action Audited  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 210, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA INSTITUTIONAL CONTROL:

Release Tracking Number: 4-0014520  
Action Type: AUL  
Action Status: ACTAUD  
Action Date: 03/07/2003

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S103812619

MA RELEASE:

Facility ID: 4-0014520  
Facility Status: Response Action Outcome  
Status Date: 09/13/2000  
Phase: PHASE II  
Notification: 02/13/1999  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: 03/07/2003  
Type: Activity and Use Limitation  
Status: Action Audited  
Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 210, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A3  
Oil / Haz Material Type : Oil

R81  
NNE  
1/2-1  
4205 ft.

CUMBERLAND FARMS #2054  
2012 ACUSHNET AVE  
NEW BEDFORD, MA 02745

UST U001004867  
Release N/A  
SHWS  
LUST

Relative:  
Higher

Actual:  
67 ft.

Site 2 of 2 in cluster R

SHWS:

Facility ID: 4-0013663  
Site Status: REMOPS  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 02/09/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 07/12/2001  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CUMBERLAND FARMS #2054 (Continued)

U001004867

LUST:

Facility ID: 4-0013663  
Site Status: REMOPS  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 02/09/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 07/12/2001  
Phase : PHASE V  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0013663  
Facility Status: REMOPS  
Status Date: 07/12/2001  
Phase: PHASE V  
Notification: 02/09/1998  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 100, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CUMBERLAND FARMS #2054 (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U001004867

UST:

Facility ID: 3412  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 8000  
Owner: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
CANTON, MA 02021  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Not reported

Facility ID: 3412  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 8000  
Owner: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
CANTON, MA 02021  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Not reported

Facility ID: 3412  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 8000  
Owner: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
CANTON, MA 02021  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CUMBERLAND FARMS #2054 (Continued)

U001004867

Facility ID: 3412  
Tank ID: 4  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 8000  
Owner: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
CANTON, MA 02021  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Reinforced  
Tank Contents: 2 Walls  
Tank Leak Detection: Interstitial Monitoring  
Pipe Leak Detection: Interstitial Space Monitor

Facility ID: 3412  
Tank ID: 5  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 8000  
Owner: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
CANTON, MA 02021  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Reinforced  
Tank Contents: 2 Walls  
Tank Leak Detection: Interstitial Monitoring  
Pipe Leak Detection: Interstitial Space Monitor

Facility ID: 3412  
Tank ID: 6  
Tank Status: In Use  
Tank Useage: MV  
Capacity: 8000  
Owner: CUMBERLAND FARMS INC  
Owner Address: 777 DEDHAM ST  
CANTON, MA 02021  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Reinforced  
Tank Contents: 2 Walls  
Tank Leak Detection: Interstitial Monitoring  
Pipe Leak Detection: Interstitial Space Monitor

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**82**            **NO LOCATION AID**  
**North**        **38 ARLINGTON ST**  
**1/2-1**         **NEW BEDFORD, MA 02745**  
**4266 ft.**

**Release**    **S104232384**  
**SHWS**        **N/A**

**Relative:**  
**Higher**

**SHWS:**  
 Facility ID:        4-0011108  
 Site Status:        Response Action Outcome  
 Source Type:        AST  
 Release Town:      NEW BEDFORD  
 Notification Date : 02/07/1995  
 Category :          TWO HR  
 Associated ID :      -  
 Status Date :        07/20/1995  
 Phase :              Not reported  
 Action:  
     Date:              Not reported  
     Type:              Not reported  
     Status:            Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number:        Not reported  
 Chemical Released:  
     Chemical:        FUEL OIL 2  
     Amount:           70, gallons  
 Chemical Released:  
     Chemical:        FUEL OIL 2  
     Amount:           35, gallons  
 Location Type:      Not reported  
 Source Type:        AST

**Actual:**  
**82 ft.**

**MA RELEASE:**  
 Facility ID:        4-0011108  
 Facility Status:     Response Action Outcome  
 Status Date:        07/20/1995  
 Phase:              Not reported  
 Notification:        02/07/1995  
 Category:            TWO HR  
 Official City:        NEW BEDFORD  
 Action:  
     Date:              Not reported  
     Type:              Not reported  
     Status:            Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number:        Not reported  
 Chemical Released:  
     Chemical:        FUEL OIL 2  
     Amount:           70, gallons  
 Chemical Released:  
     Chemical:        FUEL OIL 2  
     Amount:           35, gallons  
 Location Type:      Not reported  
 Source Type:        AST  
 ASC Release Tracking Number:    Not reported  
 Response Action Outcome Class : A1  
 Oil / Haz Material Type :        Oil

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**NO LOCATION AID (Continued)**

**S104232384**

**83 CHAMBERLIN MANUFACTURING**  
**NNW 117 KING ST**  
**1/2-1 NEW BEDFORD, MA 02745**  
**4410 ft.**

**MA Spills S101022762**  
**SHWS N/A**

**Relative:**  
**Higher**

**SHWS:**

Facility ID: 4-0011981  
 Site Status: Response Action Outcome Not Required  
 Source Type: Not reported  
 Release Town: NEW BEDFORD  
 Notification Date : 02/09/1996  
 Category : 120 DY  
 Associated ID : 4-0001127  
 Status Date : 09/13/1996  
 Phase : Not reported  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: 1,4:5,8-DIMETHANONAPHTHLAENE, 1,2,3,4,10,10-HEXACHLORO-1..  
 Amount: .076, parts per million  
 Location Type: Not reported  
 Source Type: Not reported

**Actual:**  
**97 ft.**

**MA Spills:**

Facility ID: 9-9999	Spill ID: S89-0106
Staff Lead: KEARNS, R	Date Entered: 06/13/1989
Last Entered: 02/26/1989	First Response: 02/26/1989
Spill Date: 02/26/1989	Report Date: 02/26/1989
Spill Time: 12:00PM	Report Time: 04:00PM
Case Closed: YES	Mat Type: PETROLEUM
Virgin Waste: VIRGIN	Contam Soil: Not reported
Env Impact: SOIL	Other Impact: Not reported
Material: #2 FUEL OIL	Other Material: Not reported
CAS No: Not reported	PCB Lev (ppm): _____
Qty Reported: 251-500 GALLONS	
Qty Actual: _____	
Source: PIPE/HOSE/LINE	Other Source: Not reported
Incident: RUPTURE	Other Incdnt: Not reported
Cleanup Type: SC	Contractor: NOT USED
Referral: NO	LUST Elig: NO
Notifier: PAUL D'ANORINIS	
Notif Tel: Not reported	
Report Prep: Not reported	Category: Not reported
Days/Close: 0	

Facility ID: 0000	Spill ID: S90-0112
Staff Lead: MORAN, M	Date Entered: Not reported
Last Entered: 02/15/1990	First Response: 02/15/1990
Spill Date: 02/15/1990	Report Date: 02/15/1990
Spill Time: 09:00AM	Report Time: 12:00PM
Case Closed: YES	Mat Type: PETROLEUM
Virgin Waste: WASTE	Contam Soil: Not reported
Env Impact: SOIL	Other Impact: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**CHAMBERLIN MANUFACTURING (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

S101022762

Material: OTHER MATERIAL -->  
 CAS No: Not reported  
 Qty Reported: UNKNOWN GALLONS  
 Qty Actual: UNKNOWN GALLONS  
 Source: OTHER SOURCE >  
 Incident: OTHER RELEASE >  
 Cleanup Type: ---  
 Referral: NO  
 Notifier: MIKE GWOZDZ/WWTP  
 Notif Tel: Not reported  
 Report Prep: Not reported  
 Days/Close: 2

Other Material: OIL  
 PCB Lev (ppm): -----  
 Other Source: MALFUNCTION OIL  
 Other Incdnt: WATER SEPARATER  
 Contractor: NOT USED  
 LUST Elig: ---  
 Category: Not reported

Facility ID: 0000  
 Staff Lead: PACKARD, R  
 Last Entered: 09/24/1990  
 Spill Date: 09/24/1990  
 Spill Time: Not reported  
 Case Closed: YES  
 Virgin Waste: VIRGIN  
 Env Impact: SOIL  
 Material: #2 FUEL OIL  
 CAS No: Not reported  
 Qty Reported: 101-250 GALLONS  
 Qty Actual: 101-250 GALLONS  
 Source: OTHER SOURCE >  
 Incident: LEAK  
 Cleanup Type: ---  
 Referral: NO  
 Notifier: M.E. MACHAMER  
 Notif Tel: Not reported  
 Report Prep: Not reported  
 Days/Close: 1

Spill ID: S90-0702  
 Date Entered: Not reported  
 First Response: 09/24/1990  
 Report Date: 09/24/1990  
 Report Time: 09:36AM  
 Mat Type: PETROLEUM  
 Contam Soil: Not reported  
 Other Impact: Not reported  
 Other Material: Not reported  
 PCB Lev (ppm): NONE  
 Other Source: FITTING PUMP  
 Other Incdnt: Not reported  
 Contractor: NOT USED  
 LUST Elig: ---  
 Category: Not reported

84  
 NE  
 1/2-1  
 4430 ft.

**CLIFTEX CORP**  
**194 RIVERSIDE AVE**  
**NEW BEDFORD, MA 27400**

Release 1001315323  
 SHWS N/A  
 LUST

Relative:  
 Lower

SHWS:  
 Facility ID: 4-0014112  
 Site Status: TIER1D  
 Source Type: UST  
 Release Town: NEW BEDFORD  
 Notification Date : 08/06/1998  
 Category : 72 HR  
 Associated ID : -  
 Status Date : 08/13/1999  
 Phase : Not reported  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 6  
 Amount: 30000, gallons

Actual:  
 12 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

CLIFTEX CORP (Continued)

1001315323

Location Type: INDUSTRIAL  
Source Type: UST  
  
Facility ID: 4-0014111  
Site Status: TIER1D  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 08/06/1998  
Category : TWO HR  
Associated ID : -  
Status Date : 08/13/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ASBESTOS  
Amount: 10, pounds  
Location Type: INDUSTRIAL  
Source Type: Not reported

LUST:

Facility ID: 4-0014112  
Site Status: TIER1D  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 08/06/1998  
Category : 72 HR  
Associated ID : -  
Status Date : 08/13/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: 30000, gallons  
Location Type: INDUSTRIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0014111  
Facility Status: TIER1D  
Status Date: 08/13/1999  
Phase: Not reported  
Notification: 08/06/1998  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CLIFTEX CORP (Continued)

1001315323

Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ASBESTOS  
Amount: 10, pounds  
Location Type: INDUSTRIAL  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Hazardous Material

Facility ID: 4-0014112  
Facility Status: TIER1D  
Status Date: 08/13/1999  
Phase: Not reported  
Notification: 08/06/1998  
Category: 72 HR  
Official City: NEW BEDFORD

Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 6  
Amount: 30000, gallons  
Location Type: INDUSTRIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Oil

85 RIO PLAZA  
East 30-34 HOWLAND RD  
1/2-1 FAIRHAVEN, MA 02719  
4462 ft.

Release S102618702  
SHWS N/A

Relative:  
Lower

SHWS:

Actual:  
1 ft.

Facility ID: 4-0012988  
Site Status: Response Action Outcome  
Source Type: Not reported  
Release Town: FAIRHAVEN  
Notification Date : 04/29/1997  
Category : 120 DY  
Associated ID : -  
Status Date : 04/30/1997  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

RIO PLAZA (Continued)

S102618702

Chemical Released:

Chemical: ZINC  
Amount: 2.3, parts per million  
Location Type: Not reported  
Source Type: Not reported

MA RELEASE:

Facility ID: 4-0012988  
Facility Status: Response Action Outcome  
Status Date: 04/30/1997  
Phase: Not reported  
Notification: 04/29/1997  
Category: 120 DY  
Official City: FAIRHAVEN  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:

Chemical: ZINC  
Amount: 2.3, parts per million  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : B1  
Oil / Haz Material Type : Hazardous Material

86  
NE  
1/2-1  
4587 ft.  
NO LOCATION AID  
10 MANOMET ST  
NEW BEDFORD, MA

Release S104482730  
SHWS N/A

Relative:  
Lower

SHWS:

Facility ID: 4-0015213  
Site Status: Response Action Outcome  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 12/30/1999  
Category : 120 DY  
Associated ID : -  
Status Date : 12/30/1999  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported

Actual:  
0 ft.

Response Action Outcome:

Activity Use Limitaion:

LSP Number: Not reported

Chemical Released:

Chemical: LEAD  
Amount: 1100, parts per million  
Location Type: Not reported  
Source Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

NO LOCATION AID (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104482730

MA RELEASE:

Facility ID: 4-0015213  
Facility Status: Response Action Outcome  
Status Date: 12/30/1999  
Phase: Not reported  
Notification: 12/30/1999  
Category: 120 DY  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: LEAD  
Amount: 1100, parts per million  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : B1  
Oil / Haz Material Type : Hazardous Material

87  
SSE  
1/2-1  
4639 ft.

MAINLINE TIRE & RECYCLING  
680 ACUSHNET AVE  
NEW BEDFORD, MA

Release S104847624  
SHWS N/A

Relative:  
Lower

SHWS:

Actual:  
21 ft.

Facility ID: 4-0015795  
Site Status: Response Action Outcome  
Source Type: TIRE  
Release Town: NEW BEDFORD  
Notification Date : 10/09/2000  
Category : TWO HR  
Associated ID : -  
Status Date : 12/27/2000  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
Amount: Not reported  
Location Type: COMMERCIAL  
INDUSTRIAL  
Source Type: TIRE

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**MAINLINE TIRE & RECYCLING (Continued)**

**S104847624**

MA RELEASE:  
 Facility ID: 4-0015795  
 Facility Status: Response Action Outcome  
 Status Date: 12/27/2000  
 Phase: Not reported  
 Notification: 10/09/2000  
 Category: TWO HR  
 Official City: NEW BEDFORD  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: UNKNOWN CHEMICAL OF TYPE - OIL  
 Amount: Not reported  
 Location Type: COMMERCIAL  
 INDUSTRIAL  
 Source Type: TIRE  
 ASC Release Tracking Number: Not reported  
 Response Action Outcome Class : B1  
 Oil / Haz Material Type : Oil

**88 SUMMER & LOCUST**  
**South 39 LOCUST ST**  
**1/2-1 NEW BEDFORD, MA**  
**4662 ft.**

**Release S104232393**  
**SHWS N/A**  
**LUST**

**Relative:**  
**Higher**

**Actual:**  
**112 ft.**

SHWS:  
 Facility ID: 4-0011621  
 Site Status: Response Action Outcome  
 Source Type: UST  
 Release Town: NEW BEDFORD  
 Notification Date : 08/25/1995  
 Category : TWO HR  
 Associated ID : -  
 Status Date : 12/22/1995  
 Phase : Not reported  
 Action:  
 Date: Not reported  
 Type: Not reported  
 Status: Not reported  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number: Not reported  
 Chemical Released:  
 Chemical: FUEL OIL 2  
 Amount: 25, gallons  
 Location Type: RESIDENTIAL  
 Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SUMMER & LOCUST (Continued)

S104232393

LUST:

Facility ID: 4-0011621  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 08/25/1995  
Category : TWO HR  
Associated ID : -  
Status Date : 12/22/1995  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 25, gallons  
Location Type: RESIDENTIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0011621  
Facility Status: Response Action Outcome  
Status Date: 12/22/1995  
Phase: Not reported  
Notification: 08/25/1995  
Category: TWO HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: FUEL OIL 2  
Amount: 25, gallons  
Location Type: RESIDENTIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

89 NEW BEDFORD LANDFILL CITY OF  
WNW 1103 SHAWMUT AVENUE  
1/2-1 NEW BEDFORD, MA 02740  
4699 ft.

Relative:  
Higher

Actual:  
132 ft.

CERCLIS 1000104116  
RCRIS-SQG MAD980503742  
FINDS  
SWF/LF  
Release  
SHWS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

NEW BEDFORD LANDFILL CITY OF (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000104116

CERCLIS Classification Data:

Site Incident Category: Not reported  
Federal Facility: Not a Federal Facility  
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup  
Ownership Status: Municipality  
NPL Status: Not on the NPL

CERCLIS Assessment History:

Assessment: DISCOVERY  
Completed: 06/01/1981  
Assessment: PRELIMINARY ASSESSMENT  
Completed: 03/01/1984  
Assessment: SITE INSPECTION  
Completed: 10/04/1991  
Assessment: SITE REASSESSMENT  
Completed: 08/02/2001

CERCLIS Site Status:

Low

RCRIS:

Owner: CITY OF NEW BEDFORD  
EPA ID: MAD980503742  
Contact: MICHAEL GWOZDZ  
(508) 979-1527

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)  
National Emissions Inventory (NEI)  
Resource Conservation and Recovery Act Information system (RCRAINFO)

SHWS:

Facility ID: 4-0000123  
Site Status: TCLASS  
Source Type: Not reported  
Release Town: NEW BEDFORD  
Notification Date : 01/15/1987  
Category : NONE  
Associated ID : -  
Status Date : 03/21/1996  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitation:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported

LF:

Site Type: MSW landfill; may take or have taken MSW, in addition may take or have taken woodwaste, C&D, sludge, ash or other solid waste. SL includes open or burning dumps used to dispose of MSW  
Facility Id: SL0201.001  
Fac. Address 2: NEW BEDFORD, MA 02746

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**NEW BEDFORD LANDFILL CITY OF (Continued)**

**1000104116**

Operator: NEW BEDFORD DPW  
 Operator Addr: 133 WILLIAM ST  
 NEW BEDFORD, MA 02740  
 Operator Phone: (508)979-1520  
 Contact: LAWRENCE WORDEN, DPW COMM  
 Owner: CITY OF NEW BEDFORD  
 Owner Contact: LAWRENCE WORDEN, DPW COMM  
 Owner Addr: 133 WILLIAM ST  
 NEW BEDFORD, MA 02740  
 NEW BEDFORD, MA 02740  
 Owner Contact: LAWRENCE WORDEN, DPW COMM  
 Owner Phone: (508)979-1520  
 Owner Type: MUNICIPAL  
 Facility Contact: CURTIS SOUZA, ACTING SUPT  
 Facility Status: Inactive  
 Capacity Year: 0  
 ID Number: SL  
 Site Lined: Not Lined  
 Capping: Partially Capped  
 Days of Operation: 86  
 Facility Status: I  
 Base Case or Projected Closing Date: 2000  
 Acres Assigned by Board of Health: 62  
 DEQE Plan Approved Acreage: 55  
 DEQE Approved Daily Tonnage Limit: 500  
 Leachate Collection System in Place: Not reported  
 Year SW Permitted for Handling/Disposal OR Actually Handled/Disposed (Tons):  
 1990 : 75000  
 1991 : 122200  
 1992 : 156000  
 1993 : 156000  
 1994 : 10415  
 1995 : 4836  
 1996 : 5863  
 1997 : 5  
 1998 : 24466  
 1999 : 14690  
 2000 : 0  
 Release Tracking # : 4-0000123  
 Physical Loc of Site : Not reported  
 Annual Tons for 2001 : 0  
 Annual Tons for 2002 : 0  
 Date Landfill Opened: 1921  
 Date of operational Approval, Granted by DEP: 12/02/93  
 Is There An Operation Plan: Yes  
 Operation Type: MUNICIPAL  
 Has DEP verified that Site Exists: Yes  
 Site Approval Date Granted by DEP: 8/24/88  
 General Note: 7/42/03 LF MOD FOR CAPPING PCB AREA; CEASED 9/00;  
 STOP MSW 1/95, DPW ONLY, MSW TO CRAPO HILL LF; 43  
 ACRES CAPPED BY 1991

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NEW BEDFORD LANDFILL CITY OF (Continued)

1000104116

MA RELEASE:  
Facility ID: 4-0000123  
Facility Status: TCLASS  
Status Date: 03/21/1996  
Phase: Not reported  
Notification: 01/15/1987  
Category: NONE  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: Not reported  
Source Type: Not reported  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : Not reported  
Oil / Haz Material Type : Not reported

90  
East  
1/2-1  
4710 ft.

MOES ALIGNMENT  
36 HOWLAND ST  
FAIRHAVEN, MA 02719

Release S100831025  
SHWS N/A  
LUST

Relative:  
Lower  
Actual:  
4 ft.

SHWS:  
Facility ID: 4-0000217  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: FAIRHAVEN  
Notification Date : 01/15/1987  
Category : NONE  
Associated ID : -  
Status Date : 10/24/1996  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

MOES ALIGNMENT (Continued)

S100831025

LUST:

Facility ID: 4-0000217  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: FAIRHAVEN  
Notification Date : 01/15/1987  
Category : NONE  
Associated ID : -  
Status Date : 10/24/1996  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UST

MA RELEASE:

Facility ID: 4-0000217  
Facility Status: Response Action Outcome  
Status Date: 10/24/1996  
Phase: Not reported  
Notification: 01/15/1987  
Category: NONE  
Official City: FAIRHAVEN  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE  
Amount: Not reported  
Location Type: GASSTATION  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Not reported

91  
NNE  
1/2-1  
4826 ft.

MAYHEWS CLEANERS  
2076-2072 ACUSHNET AVE  
NEW BEDFORD, MA

Release S104232394  
SHWS N/A

Relative:  
Higher

Actual:  
66 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

MAYHEWS CLEANERS (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104232394

SHWS:

Facility ID: 4-0011628  
Site Status: Response Action Outcome  
Source Type: UNKNOWN  
Release Town: NEW BEDFORD  
Notification Date : 08/30/1995  
Category : 120 DY  
Associated ID : -  
Status Date : 01/07/2003  
Phase : PHASE III  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ETHENE, TETRACHLORO-  
Amount: 360, parts per billion  
Chemical Released:  
Chemical: ETHENE, TRICHLORO-  
Amount: 4340, parts per billion  
Location Type: COMMERCIAL  
Source Type: UNKNOWN

MA RELEASE:

Facility ID: 4-0011628  
Facility Status: Response Action Outcome  
Status Date: 01/07/2003  
Phase: PHASE III  
Notification: 08/30/1995  
Category: 120 DY  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: ETHENE, TETRACHLORO-  
Amount: 360, parts per billion  
Chemical Released:  
Chemical: ETHENE, TRICHLORO-  
Amount: 4340, parts per billion  
Location Type: COMMERCIAL  
Source Type: UNKNOWN  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Hazardous Material

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

Database(s)    EDR ID Number  
 EPA ID Number

**92                    JCT OF BROOKLAWN AVE**  
**NNW                429 CHURCH ST**  
**1/2-1                NEW BEDFORD, MA 02745**  
**4847 ft.**

**Release    S103812661**  
**SHWS        N/A**  
**INST CONTROL**

**Relative:**  
**Higher**

**SHWS:**

Facility ID:            4-0014606  
 Site Status:           Response Action Outcome  
 Source Type:           Not reported  
 Release Town:        NEW BEDFORD  
 Notification Date :   03/17/1999  
 Category :            120 DY  
 Associated ID :       -  
 Status Date :         03/16/2000  
 Phase :                Not reported  
 Action:  
     Date:                10/21/2002  
     Type:                Activity and Use Limitation  
     Status:               Action Audited  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number:          Not reported  
 Chemical Released:  
     Chemical:           METHANE, DICHLORO-  
     Amount:              150, parts per billion  
     Location Type:       Not reported  
     Source Type:        Not reported

**Actual:**  
**90 ft.**

**MA INSTITUTIONAL CONTROL:**

Release Tracking Number: 4-0014606  
 Action Type:            AUL  
 Action Status:           ACTAUD  
 Action Date:            10/21/2002

**MA RELEASE:**

Facility ID:            4-0014606  
 Facility Status:        Response Action Outcome  
 Status Date:           03/16/2000  
 Phase:                 Not reported  
 Notification:          03/17/1999  
 Category:              120 DY  
 Official City:         NEW BEDFORD  
 Action:  
     Date:                10/21/2002  
     Type:                Activity and Use Limitation  
     Status:               Action Audited  
 Response Action Outcome:  
 Activity Use Limitaion:  
 LSP Number:          Not reported  
 Chemical Released:  
     Chemical:           METHANE, DICHLORO-  
     Amount:              150, parts per billion  
     Location Type:       Not reported  
     Source Type:        Not reported  
 ASC Release Tracking Number:    Not reported  
 Response Action Outcome Class :   A3  
 Oil / Haz Material Type :            Hazardous Material

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

JCT OF BROOKLAWN AVE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S103812661

S93  
WNW  
1/2-1  
4872 ft.

FORMER PENSKE TRUCK LEASING CO  
1136 SHAWMUT AVE  
NEW BEDFORD, MA

Release  
SHWS  
LUST

S105595749  
N/A

Site 1 of 2 in cluster S

Relative:  
Higher

Actual:  
119 ft.

SHWS:  
Facility ID: 4-0017305  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 08/23/2002  
Category : 72 HR  
Associated ID : -  
Status Date : 08/22/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 353, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

LUST:  
Facility ID: 4-0017305  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 08/23/2002  
Category : 72 HR  
Associated ID : -  
Status Date : 08/22/2003  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 353, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FORMER PENSKE TRUCK LEASING CO (Continued)

Database(s) EDR ID Number  
EPA ID Number

S105595749

MA RELEASE:

Facility ID: 4-0017305  
Facility Status: Response Action Outcome  
Status Date: 08/22/2003  
Phase: Not reported  
Notification: 08/23/2002  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: DIESEL FUEL  
Amount: 353, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

S94  
WNW  
1/2-1  
4872 ft.

NO LOCATION AID  
1136 SHAWMUT AVE  
NEW BEDFORD, MA

Release S104232374  
SHWS N/A  
LUST  
INST CONTROL

Site 2 of 2 in cluster S

Relative:  
Higher

SHWS:

Actual:  
119 ft.

Facility ID: 4-0010527  
Site Status: Response Action Outcome  
Source Type: PIPE  
Release Town: NEW BEDFORD  
Notification Date : 06/08/1994  
Category : 72 HR  
Associated ID : -  
Status Date : 07/25/1997  
Phase : PHASE II  
Action:  
Date: 07/06/2001  
Type: Activity and Use Limitation  
Status: TSAUD  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: 4492  
Chemical Released:  
Chemical: OIL  
Amount: Not reported  
Chemical Released:  
Chemical: OIL  
Amount: 15, gallons  
Location Type: INDUSTRIAL  
Source Type: PIPE  
UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S104232374

Facility ID: 4-0010527  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 06/08/1994  
Category : 72 HR  
Associated ID : -  
Status Date : 07/25/1997  
Phase : PHASE II  
Action:  
Date: 07/06/2001  
Type: Activity and Use Limitation  
Status: TSAUD  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: 4492  
Chemical Released:  
Chemical: OIL  
Amount: Not reported  
Chemical Released:  
Chemical: OIL  
Amount: 15, gallons  
Location Type: INDUSTRIAL  
Source Type: PIPE  
UST

LUST:

Facility ID: 4-0010527  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 06/08/1994  
Category : 72 HR  
Associated ID : -  
Status Date : 07/25/1997  
Phase : PHASE II  
Action:  
Date: 07/06/2001  
Type: Activity and Use Limitation  
Status: TSAUD  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: 4492  
Chemical Released:  
Chemical: OIL  
Amount: Not reported  
Chemical Released:  
Chemical: OIL  
Amount: 15, gallons  
Location Type: INDUSTRIAL  
Source Type: PIPE  
UST

MA INSTITUTIONAL CONTROL:

Release Tracking Number: 4-0010527  
Action Type: AUL  
Action Status: TSAUD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NO LOCATION AID (Continued)

S104232374

Action Date: 07/06/2001

MA RELEASE:

Facility ID: 4-0010527  
Facility Status: Response Action Outcome  
Status Date: 07/25/1997  
Phase: PHASE II  
Notification: 06/08/1994  
Category: 72 HR  
Official City: NEW BEDFORD

Action:

Date: 07/06/2001  
Type: Activity and Use Limitation  
Status: TSAUD

Response Action Outcome:

Activity Use Limitation:

LSP Number: 4492

Chemical Released:

Chemical: OIL  
Amount: Not reported

Chemical Released:

Chemical: OIL  
Amount: 15, gallons

Location Type: INDUSTRIAL

Source Type: PIPE

UST

ASC Release Tracking Number: Not reported

Response Action Outcome Class : A3

Oil / Haz Material Type : Oil

95  
WNW  
1/2-1  
4975 ft.

BELL ATLANTIC GARAGE  
1166 SHAWMUT AVE  
NEW BEDFORD, MA 02740

UST U001004859  
Release N/A  
SHWS  
LUST

Relative:  
Higher

SHWS:

Facility ID: 4-0012017  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD

Notification Date : 04/01/1996

Category : 72 HR

Associated ID : -

Status Date : 05/30/1996

Phase : Not reported

Action:

Date: Not reported  
Type: Not reported  
Status: Not reported

Response Action Outcome:

Activity Use Limitation:

LSP Number: Not reported

Chemical Released:

Chemical: GASOLINE  
Amount: 160, parts per million

Location Type: COMMERCIAL

Source Type: UST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

BELL ATLANTIC GARAGE (Continued)

U001004859

LUST:

Facility ID: 4-0012017  
Site Status: Response Action Outcome  
Source Type: UST  
Release Town: NEW BEDFORD  
Notification Date : 04/01/1996  
Category : 72 HR  
Associated ID : -  
Status Date : 05/30/1996  
Phase : Not reported  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 160, parts per million  
Location Type: COMMERCIAL  
Source Type: UST

MA RELEASE:

Facility ID: 4-0012017  
Facility Status: Response Action Outcome  
Status Date: 05/30/1996  
Phase: Not reported  
Notification: 04/01/1996  
Category: 72 HR  
Official City: NEW BEDFORD  
Action:  
Date: Not reported  
Type: Not reported  
Status: Not reported  
Response Action Outcome:  
Activity Use Limitaion:  
LSP Number: Not reported  
Chemical Released:  
Chemical: GASOLINE  
Amount: 160, parts per million  
Location Type: COMMERCIAL  
Source Type: UST  
ASC Release Tracking Number: Not reported  
Response Action Outcome Class : A2  
Oil / Haz Material Type : Oil

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BELL ATLANTIC GARAGE (Continued)**

**U001004859**

UST:

Facility ID: 3397  
Tank ID: 1  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 4000  
Owner: BELL ATLANTIC  
Owner Address: 125 HIGH ST, ROOM 1006  
BOSTON, MA 02110  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3397  
Tank ID: 2  
Tank Status: Removed  
Tank Useage: Not reported  
Capacity: 500  
Owner: BELL ATLANTIC  
Owner Address: 125 HIGH ST, ROOM 1006  
BOSTON, MA 02110  
Serial Number: Not reported  
Aboveground: No  
Contents: Waste Oil  
Tank Material: Steel  
Tank Contents: Not reported  
Tank Leak Detection: Not reported  
Pipe Leak Detection: Not reported

Facility ID: 3397  
Tank ID: 3  
Tank Status: Removed  
Tank Useage: MV  
Capacity: 4000  
Owner: BELL ATLANTIC  
Owner Address: 125 HIGH ST, ROOM 1006  
BOSTON, MA 02110  
Serial Number: Not reported  
Aboveground: No  
Contents: Gasoline  
Tank Material: Steel  
Tank Contents: 1 Wall  
Tank Leak Detection: Inventory Record-Keeping  
Pipe Leak Detection: Suction: Check Valve at Tank

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FAIRHAVEN	1003862409	MARSH ISLAND	ADJACENT TO RTE. 195 OVE	ASS	2719 CERC-NFRAP, Release, SHWS
FAIRHAVEN	S105200669	RTE 240	BRIDGE ST		2719 Release, SHWS
FAIRHAVEN	S101020537	HATHAWAY BRALEY WHARF	FERRY ST		2719 MA Spills, SHWS
FAIRHAVEN	S103384077	NO LOCATION AID	HARDING ST		2719 Release, SHWS
FAIRHAVEN	S104482738	CUMBERLAND FARMS	MAIN ST		2719 Release, SHWS, LUST
FAIRHAVEN	S104774353	HATHAWAY BRALEY ICEHOUSE	NEW BEDFORD HBR		2719 Release, SHWS
FAIRHAVEN	S104774407	NEAR USCG AUXILIARY	NEW BEDFORD HBR		2719 Release, SHWS
FAIRHAVEN	S104774440	S OF CROW ISLAND	NEW BEDFORD HBR		2719 Release, SHWS
FAIRHAVEN	S105200274	RIVERSIDE LOTS 33 36 53 55	RIVER AVE		2719 Release, SHWS
FAIRHAVEN	S102404027	POLE #42577	TABER ST		2719 Release, SHWS, LUST
NEW BEDFORD	1001491654	SAWYER STREET DRUM	120 TO 132 SAWYER STREET		2746 CERC-NFRAP
NEW BEDFORD	S105039525	PROPERTY	RTE 140		2740 Release, SHWS
NEW BEDFORD	S101037313	EXIT 4	RTE 140 S		Release, SHWS
NEW BEDFORD	S103812452	NEAR INTERSECTION OF RTE. 6	RTE 18		Release, SHWS
NEW BEDFORD	S105200621	@ COGGESHALL	RTE 195 WEST BOUND		Release, SHWS
NEW BEDFORD	S105735789	ACUSHNET RIVER	RTE 195 E		Release, SHWS
NEW BEDFORD	S106030203	BETWEEN EXIT 14 & 15	RTE 195 W		Release, SHWS
NEW BEDFORD	S101395167	SULLIVANS LEDGE LANDFILL	RTE 195/RTE 140/HATHAWAY	D	SWF/LF
NEW BEDFORD	S105811049	PROPERTY	19 / 41 COFFIN AVE		2740 Release, SHWS
NEW BEDFORD	S105043546	NO LOCATION AID	15 ANTHONY COSTA BLVD		2745 Release, SHWS
NEW BEDFORD	S104774345	NO LOCATION AID	ANTONIO COSTA BLVD		Release, SHWS
NEW BEDFORD	S105810884	PRIVATE A POIRIER POST	281 APPLETON ST-ASHLEY B	D	Release, SHWS
NEW BEDFORD	1006883712	ALDEN CORRUGATED	1 CHURCH STREET		US BROWNFIELDS
NEW BEDFORD	1006883713	ALDEN CORRUGATED	1 CHURCH STREET		US BROWNFIELDS
NEW BEDFORD	1006883714	ALDEN CORRUGATED	1 CHURCH STREET		US BROWNFIELDS
NEW BEDFORD	S103812533	NO LOCATION AID	COGGESHAL ST		Release, SHWS
NEW BEDFORD	S106132372	FV JENASARA	COLE POCKET PIER		SHWS
NEW BEDFORD	1003862391	FRANCIS PLAYGROUND	COVE ROAD		2740 CERC-NFRAP, Release, SHWS
NEW BEDFORD	S103546575	ADJACENT TO ELM ST GARAGE &	ELM ST PARCEL 19		Release, SHWS
NEW BEDFORD	S106030382	NEW BEDFORD HARBOR	FISH ISL		Release, SHWS, INST CONTROL
NEW BEDFORD	S101037113	US ARMY RESERVE CTR	FORT ROOMAN		2740 MA Spills, SHWS, LUST
NEW BEDFORD	S105810791	PROPERTY	10 NORTH FRONT ST		2740 Release, SHWS
NEW BEDFORD	S105811052	REVERE COPPER PRODUCTS INC	24 NORTH FRONT ST		2740 Release, SHWS
NEW BEDFORD	S103812485	DELKEN	FRONT ST		Release, SHWS
NEW BEDFORD	S105811071	NO LOCATION AID	NORTH FRONT / CEDAR GRV		Release, SHWS
NEW BEDFORD	S105200260	SULLIVAN S LEDGE	HATHAWAY RD		2740 Release, SHWS
NEW BEDFORD	S105309582	SUNSHINE PLAZA	137 139 HATHAWAY RD		2746 Release, SHWS
NEW BEDFORD	S104232379	CONRAIL PROPERTY	HATHAWAY RD / MT PLEASAN		Release, SHWS
NEW BEDFORD	S104774351	SULLIVANS LEDGE	HATHAWAY RD		Release, SHWS
NEW BEDFORD	S104774398	MCCOY FIELD	HATHAWAY BLVD		Release, SHWS
NEW BEDFORD	S104179978	FV SEAFARER	NB HBR / N TERMINAL		Release, SHWS
NEW BEDFORD	S105522243	CITY OF NEW BEDFORD	HERMAN MELVILLE BLVD		2746 Release, SHWS
NEW BEDFORD	S103812501	MAR LEES SEAFOOD	HERMAN MELVILLE BLVD		Release, SHWS

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEW BEDFORD	S101027069	ROADWAY/ACCIDENT	HERMAN MELVILLE BLVD		MA Spills, SHWS
NEW BEDFORD	S105810834	INFRONT PACKAGING PRODUCTS C	HERMAN MELVILLE RD		Release, SHWS
NEW BEDFORD	S100423522	NEW BEDFORD LANDFILL	LIBERTY ST		SWFILF
NEW BEDFORD	S105200622	NO LOCATION AID	180 MAC AUTHUR DR		2740 Release, SHWS
NEW BEDFORD	1003862392	FISH ISLAND	NEW BEDFORD HARBOR (RTE		2740 CERC-NFRAP, Release, SHWS
NEW BEDFORD	S105125148	NO LOCATION AID	NEW BEDFOR HBR		Release, SHWS
NEW BEDFORD	S105125185	NEAR SEA FUELS	NEW BEDFOR HBR		Release, SHWS
NEW BEDFORD	S105522100	NORTH OF EASTERN FISHERIES	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S105522116	OFF STATE PIER #3	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S105810849	NEAR TWIN PIERS FMR	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S105810853	BEHIND SHUSTER	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S104774364	NEAR FAIRHAVEN BRIDGE	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S104774415	PIER 3	NEW BEDFORD PIER		Release, SHWS
NEW BEDFORD	S104774429	COAL POCKET PIER	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S104774435	NO LOCATION AID	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	1002930128	STATE PIER	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S105522098	INNER HARBOR	NEW BEDFORD HBR		Release, SHWS
NEW BEDFORD	S106132370	CARDINAL ST	NORTH OF FISH ISL		Release, SHWS
NEW BEDFORD	S104180047	NB SCHOOL DEPT MAINT BLDG	ORIOLE ST		SHWS
NEW BEDFORD	S104847640	LOT 21 MAP 132	PARKER ST		2740 Release, SHWS
NEW BEDFORD	1003862399	COMMONWEALTH ELECTRIC COMPAN	PHILLIPS RD		Release, SHWS
NEW BEDFORD	S102987635	PURCHASE & MAXFIELD ST	PINE ST. (OFF MACARTHUR	IVE)	2740 CERC-NFRAP, Release, SHWS
NEW BEDFORD	S104000695	TELEDYNE BRITTANY DYE	PURCHASE ST		Release, SHWS
NEW BEDFORD	S106030209	NO LOCATION AID	EAST RODNEY FRENCH BLVD	C	2740 Release, SHWS, LUST
NEW BEDFORD	S104774371	OFF BEACH	1351 EAST RODNEY METALS		Release, SHWS
NEW BEDFORD	S100829278	ISOTRONICS	EAST RODNEY FRENCH BLVD		Release, SHWS
NEW BEDFORD	S101027032	HATHAWAY RD	SAMUEL BARNET BLVD		2740 Release, SHWS
NEW BEDFORD	S105200599	STATE PIER	SHAWMUT AVE		Release, SHWS
NEW BEDFORD	S105522111	NO LOCATION AID	STATE PIER		Release, SHWS
NEW BEDFORD	S105522239	NO LOCATION AID	STATE PIER		Release, SHWS
NEW BEDFORD	S105200259	ALBEROX CORP	225 THEODORE H RICE BLVD		SHWS
NEW BEDFORD	S103812582	NO LOCATION AID	TWIN PIER		2740 Release, SHWS
NEW BEDFORD	S103043592	NATCO	WAMPSUTTA / HERMAN MELVI	E	2740 Release, SHWS, LUST, INST CONTROL

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

## FEDERAL ASTM STANDARD RECORDS

### **NPL: National Priority List**

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/29/04

Date Made Active at EDR: 02/27/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/06/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 02/06/04

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

### **Proposed NPL: Proposed National Priority List Sites**

Source: EPA

Telephone: N/A

Date of Government Version: 01/07/04

Date Made Active at EDR: 02/27/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/06/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 02/06/04

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/17/03

Date Made Active at EDR: 02/02/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03

Elapsed ASTM days: 42

Date of Last EDR Contact: 03/22/04

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/03  
Date Made Active at EDR: 02/02/04  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/22/03  
Elapsed ASTM days: 42  
Date of Last EDR Contact: 03/22/04

## **CORRACTS:** Corrective Action Report

Source: EPA  
Telephone: 800-424-9346  
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/18/03  
Date Made Active at EDR: 02/02/04  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/26/03  
Elapsed ASTM days: 38  
Date of Last EDR Contact: 03/08/04

## **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA  
Telephone: 800-424-9346  
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 01/12/04  
Date Made Active at EDR: 02/10/04  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 01/19/04  
Elapsed ASTM days: 22  
Date of Last EDR Contact: 01/19/04

## **ERNS:** Emergency Response Notification System

Source: National Response Center, United States Coast Guard  
Telephone: 202-260-2342  
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03  
Date Made Active at EDR: 03/12/04  
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04  
Elapsed ASTM days: 46  
Date of Last EDR Contact: 01/26/04

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

### **BRS:** Biennial Reporting System

Source: EPA/NTIS  
Telephone: 800-424-9346  
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01  
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/16/04  
Date of Next Scheduled EDR Contact: 06/14/04

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices  
Telephone: Varies  
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A  
Database Release Frequency: Varies

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**ROD: Records Of Decision**

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/04

Database Release Frequency: Annually

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

**DELISTED NPL: National Priority List Deletions**

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/29/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/06/04

Date of Next Scheduled EDR Contact: 05/01/04

**FINDS: Facility Index System/Facility Identification Initiative Program Summary Report**

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

**HMIRS: Hazardous Materials Information Reporting System**

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/18/03

Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04

Date of Next Scheduled EDR Contact: 04/19/04

**MLTS: Material Licensing Tracking System**

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/06/04

Date of Next Scheduled EDR Contact: 04/05/04

**MINES: Mines Master Index File**

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 11/25/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/29/03

Date of Next Scheduled EDR Contact: 03/29/04

**NPL LIENS: Federal Superfund Liens**

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/12/04  
Date of Next Scheduled EDR Contact: 05/24/04

### **PADS: PCB Activity Database System**

Source: EPA  
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/30/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 02/09/04  
Date of Next Scheduled EDR Contact: 05/10/04

### **DOD: Department of Defense Sites**

Source: USGS  
Telephone: 703-648-5423

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04  
Date of Next Scheduled EDR Contact: 05/10/04

### **STORMWATER: Storm Water General Permits**

Source: Environmental Protection Agency  
Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A  
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

### **INDIAN RESERV: Indian Reservations**

Source: USGS  
Telephone: 703-648-5423

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04  
Date of Next Scheduled EDR Contact: 05/10/04

### **US BROWNFIELDS: A Listing of Brownfields Sites**

Source: Environmental Protection Agency  
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/15/04  
Date of Next Scheduled EDR Contact: 06/14/04

### **RMP: Risk Management Plans**

Source: Environmental Protection Agency  
Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Database Release Frequency: N/A

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

## **RAATS:** RCRA Administrative Action Tracking System

Source: EPA  
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04  
Date of Next Scheduled EDR Contact: 06/07/04

## **TRIS:** Toxic Chemical Release Inventory System

Source: EPA  
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01  
Database Release Frequency: Annually

Date of Last EDR Contact: 03/23/04  
Date of Next Scheduled EDR Contact: 06/21/04

## **TSCA:** Toxic Substances Control Act

Source: EPA  
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02  
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 03/05/04  
Date of Next Scheduled EDR Contact: 06/07/04

## **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA  
Telephone: 202-564-2501

Date of Government Version: 01/21/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04  
Date of Next Scheduled EDR Contact: 06/21/04

## **SSTS:** Section 7 Tracking Systems

Source: EPA  
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/04  
Date of Next Scheduled EDR Contact: 04/19/04

## **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/30/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04  
Date of Next Scheduled EDR Contact: 06/21/04

## STATE OF MASSACHUSETTS ASTM STANDARD RECORDS

### **SHWS:** Site Transition List

Source: Department of Environmental Protection  
Telephone: 617-292-5990  
Non leaking underground storage tank sites within the Releases Database.

Date of Government Version: 02/06/04  
Date Made Active at EDR: 03/09/04  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/09/04  
Elapsed ASTM days: 29  
Date of Last EDR Contact: 02/09/04

### **SWF/LF:** Solid Waste Facility Database/Transfer Stations

Source: Department of Environmental Protection  
Telephone: 617-292-5989  
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/02/04  
Date Made Active at EDR: 02/23/04  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/02/04  
Elapsed ASTM days: 21  
Date of Last EDR Contact: 02/02/04

### **LUST:** Site Transition List

Source: Department of Environmental Protection  
Telephone: 617-292-5990  
Sites within the Releases Database that have a UST listed as its source.

Date of Government Version: 02/06/04  
Date Made Active at EDR: 03/09/04  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/09/04  
Elapsed ASTM days: 29  
Date of Last EDR Contact: 02/09/04

### **UST:** Summary Listing of all the Tanks Registered in the State of Massachusetts

Source: Department of Fire Services, Office of the Public Safety  
Telephone: 978-567-3715  
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 01/05/04  
Date Made Active at EDR: 02/24/04  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/16/04  
Elapsed ASTM days: 8  
Date of Last EDR Contact: 02/16/04

### **RELEASE:** Reportable Releases

Source: Department of Environmental Protection  
Telephone: 617-292-5990  
Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 02/06/04  
Date Made Active at EDR: 03/09/04  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/09/04  
Elapsed ASTM days: 29  
Date of Last EDR Contact: 02/09/04

## STATE OF MASSACHUSETTS ASTM SUPPLEMENTAL RECORDS

### **AST:** Aboveground Storage Tank Database

Source: Department of Public Safety  
Telephone: 978-567-3715  
Registered Aboveground Storage Tanks.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/05/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/16/04  
Date of Next Scheduled EDR Contact: 05/17/04

## **MA SPILLS:** Historical Spill List

Source: Department of Environmental Protection  
Telephone: 617-292-5720

The Spills Database was the release notification tracking system for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the Reportable Releases or Sites Transition List databases.

Date of Government Version: 09/30/93  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/03/03  
Date of Next Scheduled EDR Contact: N/A

## **EDR PROPRIETARY HISTORICAL DATABASES**

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### **Disclaimer Provided by Real Property Scan, Inc.**

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## **BROWNFIELDS DATABASES**

### **INST CONTROL:** Sites With Activity and Use Limitation

Source: Department of Environmental Protection  
Telephone: 617-292-5990

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 02/06/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/09/04  
Date of Next Scheduled EDR Contact: 05/10/04

### **US BROWNFIELDS:** A Listing of Brownfields Sites

Source: Environmental Protection Agency  
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities—especially those without EPA Brownfields Assessment Demonstration Pilots—minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients—States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation  
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### **Private Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

VACANT LOT  
29 BROOK STREET  
NEW BEDFORD, MA 02746

### TARGET PROPERTY COORDINATES

Latitude (North):	41.658199 - 41° 39' 29.5"
Longitude (West):	70.931702 - 70° 55' 54.1"
Universal Transverse Mercator:	Zone 19
UTM X (Meters):	339159.9
UTM Y (Meters):	4613417.0
Elevation:	52 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

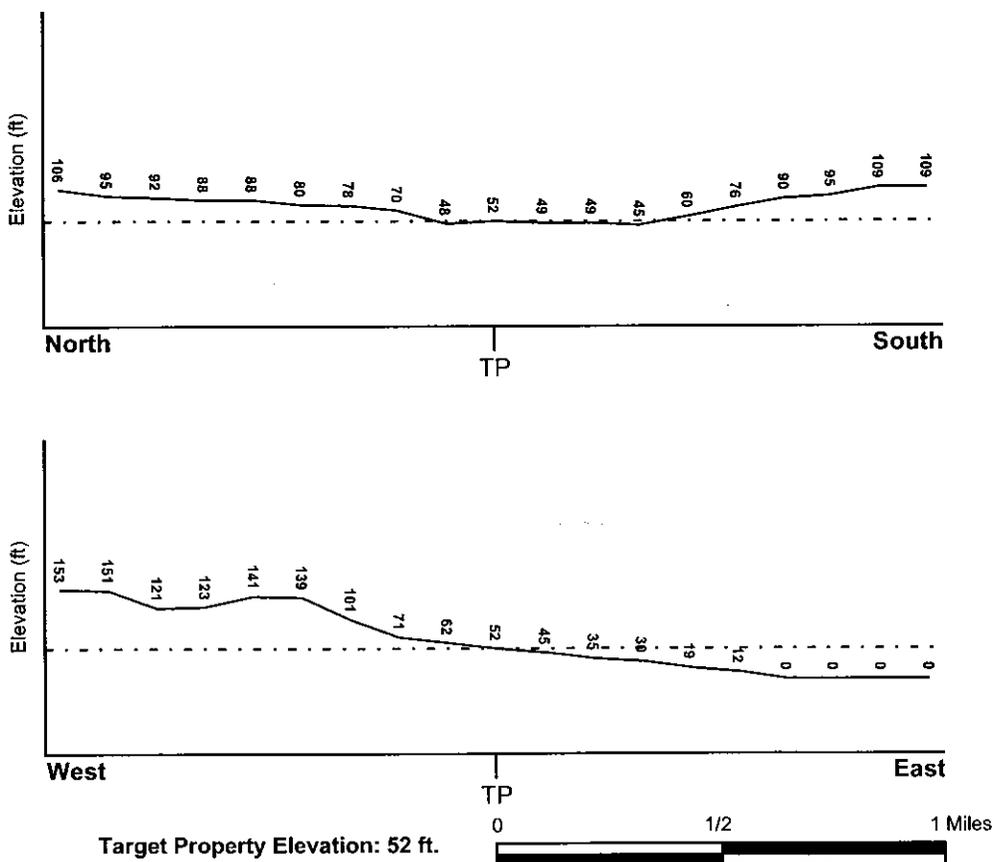
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 41070-F8 NEW BEDFORD NORTH, MA  
 General Topographic Gradient: General ESE  
 Source: USGS 7.5 min quad index

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### **FEMA FLOOD ZONE**

<u>Target Property County</u> BRISTOL, MA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2552160009B
Additional Panels in search area:	2552160007B 2500480007B 2500540004C

### **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u> NEW BEDFORD NORTH	<u>NWI Electronic Data Coverage</u> Not Available
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### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
3	1/8 - 1/4 Mile ESE	SSE
25	1/2 - 1 Mile NNE	SE
G27	1/2 - 1 Mile SSE	NE

For additional site information, refer to Physical Setting Source Map Findings.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### ROCK STRATIGRAPHIC UNIT

Era: Precambrian  
 System: Precambrian  
 Series: Z ganitic rocks  
 Code: Zg (decoded above as Era, System & Series)

### GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam  
silt loam  
very fine sandy loam

Surficial Soil Types: fine sandy loam  
silt loam  
very fine sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: fine sandy loam  
channery - silt loam  
gravelly - loamy sand  
silt loam  
loamy fine sand  
stratified  
gravelly - sandy loam

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS0416727	0 - 1/8 Mile SSW
A2	USGS0416801	0 - 1/8 Mile NNW
4	USGS0416703	1/8 - 1/4 Mile SSE
5	USGS0416618	1/8 - 1/4 Mile SSE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B6	USGS0416604	1/4 - 1/2 Mile South
B7	USGS0416605	1/4 - 1/2 Mile South
B8	USGS0416603	1/4 - 1/2 Mile SSE
C9	USGS0416679	1/4 - 1/2 Mile SSE
D10	USGS0416606	1/4 - 1/2 Mile SSW
C11	USGS0416678	1/4 - 1/2 Mile SE
D12	USGS0416673	1/4 - 1/2 Mile SSW
13	USGS0416745	1/4 - 1/2 Mile NE
14	USGS0416661	1/4 - 1/2 Mile SSE
15	USGS0416686	1/4 - 1/2 Mile SE
16	USGS0416594	1/4 - 1/2 Mile SW
17	USGS0416685	1/4 - 1/2 Mile ESE
18	USGS0416588	1/2 - 1 Mile SSE
19	USGS0416595	1/2 - 1 Mile SW
20	USGS0416596	1/2 - 1 Mile SW
E21	USGS0416655	1/2 - 1 Mile SSE
E22	USGS0416580	1/2 - 1 Mile SSE
23	USGS0416692	1/2 - 1 Mile ESE
F24	USGS0416711	1/2 - 1 Mile ESE
F26	USGS0416710	1/2 - 1 Mile East
28	USGS0416591	1/2 - 1 Mile WSW
G29	USGS0416647	1/2 - 1 Mile SSE
H30	USGS0416709	1/2 - 1 Mile East
31	USGS0416579	1/2 - 1 Mile SSE
32	USGS0416684	1/2 - 1 Mile ESE
I33	USGS0416832	1/2 - 1 Mile NW
34	USGS0416662	1/2 - 1 Mile WSW
H35	USGS0416637	1/2 - 1 Mile ESE
36	USGS0416758	1/2 - 1 Mile NW
I37	USGS0416829	1/2 - 1 Mile NW
I38	USGS0416830	1/2 - 1 Mile NW
I39	USGS0416759	1/2 - 1 Mile NW
40	USGS0416771	1/2 - 1 Mile NNW
41	USGS0416822	1/2 - 1 Mile WNW
42	USGS0416691	1/2 - 1 Mile ESE
J43	USGS0416708	1/2 - 1 Mile East
K44	USGS0416817	1/2 - 1 Mile WNW
K45	USGS0416746	1/2 - 1 Mile WNW
46	USGS0416663	1/2 - 1 Mile WSW
J47	USGS0416707	1/2 - 1 Mile East
K48	USGS0416741	1/2 - 1 Mile WNW
49	USGS0416837	1/2 - 1 Mile NE
50	USGS0416690	1/2 - 1 Mile ESE
51	USGS0416638	1/2 - 1 Mile SSE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

MAP ID

WELL ID

LOCATION  
FROM TP

No Wells Found

# PHYSICAL SETTING SOURCE MAP - 1162726.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Potentially Productive Aquifers
- Not Potentially Productive Aquifers
- DEP Approved Zone IIs
- EPA Designated Sole Src. Aq.

TARGET PROPERTY: Vacant Lot  
 ADDRESS: 29 Brook Street  
 CITY/STATE/ZIP: New Bedford MA 02746  
 LAT/LONG: 41.6582 / 70.9317

CUSTOMER: Clayton Group Services  
 CONTACT: Siobhan Costello  
 INQUIRY #: 1162726.2s  
 DATE: April 01, 2004 1:22 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**

**SSW**  
0 - 1/8 Mile  
Higher

**FED USGS      USGS0416727**

Agency:	USGS	Site ID:	413928070555701
Site Name:	MA-NGW 17		
Dec. Latitude:	41.65788		
Dec. Longitude:	-70.93198		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	48.00		
Hydrologic code:	01090002		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	1938	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	350		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A2**

**NNW**  
0 - 1/8 Mile  
Lower

**FED USGS      USGS0416801**

Agency:	USGS	Site ID:	413931070555701
Site Name:	MA-NGX 15		
Dec. Latitude:	41.65872		
Dec. Longitude:	-70.93198		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	48.00		
Hydrologic code:	01090002		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	1945	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	14.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**3**

**ESE**  
1/8 - 1/4 Mile  
Lower

Site ID:	4-0001079	<b>AQUIFLOW      5283</b>
Groundwater Flow:	SSE	
Shallowest Water Table Depth:	5.87	
Deepest Water Table Depth:	6.83	
Date:	7/29/1997	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**4**  
**SSE**  
 1/8 - 1/4 Mile  
 Lower

**FED USGS      USGS0416703**

Agency:	USGS	Site ID:	413921070555301
Site Name:	MA-NGW 42		
Dec. Latitude:	41.65594		
Dec. Longitude:	-70.93087		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	38.00		
Hydrologic code:	01090002		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	1918	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	200		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below Surface	Feet to Sealevel
Date		

1948-05-01

Note: The site was flowing, but the head could not be measured without additional equipment.

**5**  
**SSE**  
 1/8 - 1/4 Mile  
 Lower

**FED USGS      USGS0416618**

Agency:	USGS	Site ID:	413917070555001
Site Name:	MA-NGB 28		
Dec. Latitude:	41.65483		
Dec. Longitude:	-70.93004		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	28.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	23.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-09-01	6.00	

**B6**  
South  
1/4 - 1/2 Mile  
Lower

**FED USGS      USGS0416604**

Agency:	USGS	Site ID:	413913070555501
Site Name:	MA-NGB 26		
Dec. Latitude:	41.65371		
Dec. Longitude:	-70.93143		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	51.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	22.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-09-01		

Note: The site was dry (no water level recorded).

**B7**  
South  
1/4 - 1/2 Mile  
Higher

**FED USGS      USGS0416605**

Agency:	USGS	Site ID:	413913070555801
Site Name:	MA-NGB 25		
Dec. Latitude:	41.65371		
Dec. Longitude:	-70.93226		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	59.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	25.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-09-01		

1960-09-01

Note: The site was dry (no water level recorded).

**B8**  
**SSE**  
1/4 - 1/2 Mile  
Lower

**FED USGS      USGS0416603**

Agency:	USGS	Site ID:	413913070555101
Site Name:	MA-NGB 27		
Dec. Latitude:	41.65371		
Dec. Longitude:	-70.93032		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	41.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	30.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-09-01		

1960-09-01

Note: The site was dry (no water level recorded).

**C9**  
**SSE**  
1/4 - 1/2 Mile  
Lower

**FED USGS      USGS0416679**

Agency:	USGS	Site ID:	413914070554501
Site Name:	MA-NGB 29		
Dec. Latitude:	41.65399		
Dec. Longitude:	-70.92865		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	28.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	16.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-09-01	6.00	

**D10**

**SSW**

**1/4 - 1/2 Mile  
Higher**

**FED USGS**

**USGS0416606**

Agency:	USGS	Site ID:	413913070560401
Site Name:	MA-NGB 32		
Dec. Latitude:	41.65371		
Dec. Longitude:	-70.93393		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	79.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	24.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-07-01	7.00	

**C11**

**SE**

**1/4 - 1/2 Mile  
Lower**

**FED USGS**

**USGS0416678**

Agency:	USGS	Site ID:	413914070554201
Site Name:	MA-NGB 30		
Dec. Latitude:	41.65399		
Dec. Longitude:	-70.92782		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	28.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	16.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-09-01		

Note: The site was dry (no water level recorded).

**D12**  
**SSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS0416673**

Agency:	USGS	Site ID:	413912070560701
Site Name:	MA-NGR 44		
Dec. Latitude:	41.65344		
Dec. Longitude:	-70.93476		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	100.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	10.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-11-01		

Note: The site was dry (no water level recorded).

**13**  
**NE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS0416745**

Agency:	USGS	Site ID:	413944070553801
Site Name:	MA-NGW 5		
Dec. Latitude:	41.66233		
Dec. Longitude:	-70.92671		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	40.00		
Hydrologic code:	01090002		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	1938	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	250		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**14**

**SSE**  
 1/4 - 1/2 Mile  
 Higher

**FED USGS      USGS0416661**

Agency:	USGS	Site ID:	413908070554501
Site Name:	MA-NGB 31		
Dec. Latitude:	41.65233		
Dec. Longitude:	-70.92865		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	23.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	16.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-09-01	6.00	

**15**

**SE**  
 1/4 - 1/2 Mile  
 Lower

**FED USGS      USGS0416686**

Agency:	USGS	Site ID:	413916070553101
Site Name:	MA-NGB 39		
Dec. Latitude:	41.65455		
Dec. Longitude:	-70.92476		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	15.00		
Hydrologic code:	01090002		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	14.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-08-01	10.00	

**16**  
**SW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS0416594**

Agency:	USGS	Site ID:	413910070561501
Site Name:	MA-NGB 13		
Dec. Latitude:	41.65288		
Dec. Longitude:	-70.93698		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	142.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	28.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-08-01	16.00	

**17**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS0416685**

Agency:	USGS	Site ID:	413916070552601
Site Name:	MA-NGB 40		
Dec. Latitude:	41.65455		
Dec. Longitude:	-70.92337		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	7.00		
Hydrologic code:	01090002		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	14.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-08-01	4.00	

**18**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0416588**

Agency:	USGS	Site ID:	413904070554301
Site Name:	MA-NGB 14		
Dec. Latitude:	41.65122		
Dec. Longitude:	-70.92809		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	20.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	18.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-08-01	6.00	

**19**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS0416595**

Agency:	USGS	Site ID:	413910070562401
Site Name:	MA-NGB 21		
Dec. Latitude:	41.65288		
Dec. Longitude:	-70.93948		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	141.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	27.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-03-01	13.00	

**20  
SW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS0416596**

Agency:	USGS	Site ID:	413910070562901
Site Name:	MA-NGR 20		
Dec. Latitude:	41.65288		
Dec. Longitude:	-70.94087		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	128.00		
Hydrologic code:	01090002		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	16.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-10-01	6.00	

**E21  
SSE  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS0416655**

Agency:	USGS	Site ID:	413859070554401
Site Name:	MA-NGB 15		
Dec. Latitude:	41.64983		
Dec. Longitude:	-70.92837		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	27.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	16.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-11-01	11.00	

**E22**

**SSE**

**1/2 - 1 Mile**

**Lower**

**FED USGS**

**USGS0416580**

Agency:	USGS	Site ID:	413859070554402
Site Name:	MA-NGR 50		
Dec. Latitude:	41.64983		
Dec. Longitude:	-70.92837		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	32.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1963	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	31.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-03-01	12.00	

**23**

**ESE**

**1/2 - 1 Mile**

**Lower**

**FED USGS**

**USGS0416692**

Agency:	USGS	Site ID:	413917070551301
Site Name:	MA-NGB 11		
Dec. Latitude:	41.65483		
Dec. Longitude:	-70.91976		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	6.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1967	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	37.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**F24**  
**ESE**  
 1/2 - 1 Mile  
 Lower

**FED USGS      USGS0416711**

Agency:	USGS	Site ID:	413922070551101
Site Name:	MA-NGB 1		
Dec. Latitude:	41.65622		
Dec. Longitude:	-70.91921		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	6.00		
Hydrologic code:	01090002		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	1962	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	49.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1962-02-01	5.00	

**25**  
**NNE**  
 1/2 - 1 Mile  
 Higher

Site ID:	4-0001298		
Groundwater Flow:	SE	<b>AQUIFLOW</b>	<b>5282</b>
Shallowest Water Table Depth:	6.5		
Deepest Water Table Depth:	10		
Date:	6/1994		

**F26**  
**East**  
 1/2 - 1 Mile  
 Lower

**FED USGS      USGS0416710**

Agency:	USGS	Site ID:	413922070550801
Site Name:	MA-NGB 2		
Dec. Latitude:	41.65622		
Dec. Longitude:	-70.91837		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	1.00		
Hydrologic code:	01090002		
Topographic:	Stream channel		
Site Type:	Ground-water other than Spring		
Const Date:	1962	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	47.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

<b>G27</b>	Site ID:	4-0001168		
<b>SSE</b>	Groundwater Flow:	NE	<b>AQUIFLOW</b>	<b>5290</b>
<b>1/2 - 1 Mile</b>	Shallowest Water Table Depth:	2.5		
<b>Lower</b>	Deepest Water Table Depth:	13.5		
	Date:	2/1996		

<b>28</b>			<b>FED USGS</b>	<b>USGS0416591</b>
<b>WSW</b>				
<b>1/2 - 1 Mile</b>				
<b>Higher</b>				

Agency:	USGS	Site ID:	413909070563801
Site Name:	MA-NGB 20		
Dec. Latitude:	41.6526		
Dec. Longitude:	-70.94337		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	131.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	37.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-02-01	16.00	

<b>G29</b>			<b>FED USGS</b>	<b>USGS0416647</b>
<b>SSE</b>				
<b>1/2 - 1 Mile</b>				
<b>Lower</b>				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413852070554601
Site Name:	MA-NGW 4		
Dec. Latitude:	41.64788		
Dec. Longitude:	-70.92893		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	42.00		
Hydrologic code:	01090002		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	1936	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	185		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**H30**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0416709**

Agency:	USGS	Site ID:	413922070550501
Site Name:	MA-NGB 3		
Dec. Latitude:	41.65622		
Dec. Longitude:	-70.91754		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	16.00		
Hydrologic code:	01090002		
Topographic:	Stream channel		
Site Type:	Ground-water other than Spring		
Const Date:	1962	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	54.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**31**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0416579**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413852070553801
Site Name:	MA-NGB 16		
Dec. Latitude:	41.64788		
Dec. Longitude:	-70.9267		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	22.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	24.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below	Feet to
	Surface	Sealevel
1960-11-01	15.00	

**32**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS0416684**

Agency:	USGS	Site ID:	413916070550601
Site Name:	MA-NGB 12		
Dec. Latitude:	41.65455		
Dec. Longitude:	-70.91782		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	10.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1968	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	35.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**133**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS0416832**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413958070563501
Site Name:	MA-NGR 41		
Dec. Latitude:	41.66621		
Dec. Longitude:	-70.94254		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	103.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1967	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	33.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-07-01	16.00	

**34**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS    USGS0416662**

Agency:	USGS	Site ID:	413908070564301
Site Name:	MA-NGR 19		
Dec. Latitude:	41.65233		
Dec. Longitude:	-70.94476		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	120.00		
Hydrologic code:	01090002		
Topographic:	Flat surface		
Site Type:	Ground-water other than Spring		
Const Date:	1960	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	23.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-10-01	0.00	

**H35**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS    USGS0416637**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413921070550201
Site Name:	MA-FHB 2		
Dec. Latitude:	41.65594		
Dec. Longitude:	-70.9167		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	22.00		
Hydrologic code:	01090002		
Topographic:	Stream channel		
Site Type:	Ground-water other than Spring		
Const Date:	1962	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	51.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**36  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS    USGS0416758**

Agency:	USGS	Site ID:	413954070564001
Site Name:	MA-NGB 7		
Dec. Latitude:	41.6651		
Dec. Longitude:	-70.94393		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	99.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1968	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	34.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1968-07-01	10.00	

**137  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS    USGS0416829**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413957070563701
Site Name:	MA-NGB 6		
Dec. Latitude:	41.66594		
Dec. Longitude:	-70.94309		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	104.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1968	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	38.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below Surface	Feet to Sealevel
Date		
1968-07-01	16.00	

**I38  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS0416830**

Agency:	USGS	Site ID:	413957070563702
Site Name:	MA-NGR 30		
Dec. Latitude:	41.66594		
Dec. Longitude:	-70.94309		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	101.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1967	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	33.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below Surface	Feet to Sealevel
Date		
1967-07-01	12.00	

**I39  
NW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS0416759**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413959070563601
Site Name:	MA-NGR 31		
Dec. Latitude:	41.66649		
Dec. Longitude:	-70.94282		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	103.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1967	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	33.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-07-01	6.00	

**40**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS    USGS0416771**

Agency:	USGS	Site ID:	414009070561801
Site Name:	MA-NGW 7		
Dec. Latitude:	41.66927		
Dec. Longitude:	-70.93782		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	75.00		
Hydrologic code:	01090002		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	1926	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	770		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**41**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS    USGS0416822**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: USGS Site ID: 413948070564801  
 Site Name: MA-NGR 29  
 Dec. Latitude: 41.66344  
 Dec. Longitude: -70.94615  
 Coord Sys: NAD83  
 State: MA  
 County: Bristol County  
 Altitude: 74.00  
 Hydrologic code: 01090002  
 Topographic: Not Reported  
 Site Type: Ground-water other than Spring  
 Const Date: 1967 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: Not Reported  
 Aquifer type: Not Reported  
 Well depth: 12.0  
 Hole depth: Not Reported Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1967-07-01	3.00	
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**42**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

FED USGS USGS0416691

Agency: USGS Site ID: 413917070545901  
 Site Name: MA-FHB 5  
 Dec. Latitude: 41.65483  
 Dec. Longitude: -70.91587  
 Coord Sys: NAD83  
 State: MA  
 County: Bristol County  
 Altitude: 13.00  
 Hydrologic code: 01090002  
 Topographic: Not Reported  
 Site Type: Ground-water other than Spring  
 Const Date: 1967 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: Not Reported  
 Aquifer type: Not Reported  
 Well depth: 46.0  
 Hole depth: Not Reported Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

**J43**  
**East**  
**1/2 - 1 Mile**  
**Lower**

FED USGS USGS0416708

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413922070545701
Site Name:	MA-FHB 3		
Dec. Latitude:	41.65622		
Dec. Longitude:	-70.91532		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	3.00		
Hydrologic code:	01090002		
Topographic:	Stream channel		
Site Type:	Ground-water other than Spring		
Const Date:	1962	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	61.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**K44**  
**WNW**  
1/2 - 1 Mile  
Higher

FED USGS    USGS0416817

Agency:	USGS	Site ID:	413945070565301
Site Name:	MA-NGB 10		
Dec. Latitude:	41.6626		
Dec. Longitude:	-70.94754		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	84.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1968	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	20.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1968-07-01	9.00	

**K45**  
**WNW**  
1/2 - 1 Mile  
Higher

FED USGS    USGS0416746

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: USGS Site ID: 413944070565401  
 Site Name: MA-NGR 28  
 Dec. Latitude: 41.66233  
 Dec. Longitude: -70.94782  
 Coord Sys: NAD83  
 State: MA  
 County: Bristol County  
 Altitude: 87.00  
 Hydrologic code: 01090002  
 Topographic: Not Reported  
 Site Type: Ground-water other than Spring  
 Const Date: 1967 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: Not Reported  
 Aquifer type: Not Reported  
 Well depth: 23.0  
 Hole depth: Not Reported Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-07-01	0.00	

**46**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

FED USGS USGS0416663

Agency: USGS Site ID: 413908070565101  
 Site Name: MA-NGR 18  
 Dec. Latitude: 41.65233  
 Dec. Longitude: -70.94698  
 Coord Sys: NAD83  
 State: MA  
 County: Bristol County  
 Altitude: 117.00  
 Hydrologic code: 01090002  
 Topographic: Flat surface  
 Site Type: Ground-water other than Spring  
 Const Date: 1960 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: Not Reported  
 Aquifer type: Not Reported  
 Well depth: 26.0  
 Hole depth: Not Reported Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-10-01	2.00	

**J47**  
**East**  
**1/2 - 1 Mile**  
**Lower**

FED USGS USGS0416707

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413922070545401
Site Name:	MA-FHB 4		
Dec. Latitude:	41.65622		
Dec. Longitude:	-70.91448		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	2.00		
Hydrologic code:	01090002		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	1962	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	54.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
<hr style="border-top: 1px dashed black;"/>		
1962-02-01	3.00	

**K48  
WNW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS0416741**

Agency:	USGS	Site ID:	413943070565701
Site Name:	MA-NGB 5		
Dec. Latitude:	41.66205		
Dec. Longitude:	-70.94865		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	101.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1968	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	21.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
<hr style="border-top: 1px dashed black;"/>		
1968-07-01		

Note: The site was dry (no water level recorded).

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**49**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0416837**

Agency:	USGS	Site ID:	414005070551201
Site Name:	MA-NGW 8		
Dec. Latitude:	41.66816		
Dec. Longitude:	-70.91948		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	6.00		
Hydrologic code:	01090002		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	700		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**50**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0416690**

Agency:	USGS	Site ID:	413917070545101
Site Name:	MA-FHR 14		
Dec. Latitude:	41.65483		
Dec. Longitude:	-70.91365		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	4.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1967	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	27.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**51**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS0416638**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	413839070553801
Site Name:	MA-NGB 18		
Dec. Latitude:	41.64427		
Dec. Longitude:	-70.9267		
Coord Sys:	NAD83		
State:	MA		
County:	Bristol County		
Altitude:	17.00		
Hydrologic code:	01090002		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	1972	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	23.0		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: MA Radon

### Radon Test Results

County	% of sites > 4 pCi/L	Median
BRISTOL	23	1.8

Federal EPA Radon Zone for BRISTOL County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 02746

Number of sites tested: 1

Area	Average Activity	% < 4 pCi/L	% 4-20 pCi/L	% > 20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.500 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

### **FEDERAL WATER WELLS**

#### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF: Public Water Systems Violation and Enforcement Data**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells: USGS National Water Inventory System (NWIS)**

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STATE RECORDS

### Massachusetts Geographic Information System (MassGIS) Datalayers

Source: Executive Office of Environmental Affairs

**Public Water Supply Database:** The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

**Areas of Critical Environmental Concern Datalayer:** The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

**EPA Designated Sole Source Aquifers Datalayer:** The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by a EPA hydrogeologist.

**Aquifers Datalayer:** MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

**DEP Approved Zone IIs Datalayer:** The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is "that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary)." These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.

- Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line.
- Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.
- Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

## RADON

### State Database: MA Radon

Source: Department of Health  
Telephone: 413-586-7525  
Radon Test Results

### Area Radon Information

Source: USGS  
Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### **OTHER**

**Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

APPENDIX E



**BUREAU  
VERITAS**

**APPENDIX E**  
**SOIL BORING LOGS**

# Log of Borehole: CB-1



**Project No:** 41-04087.00

**Project Manager:** Jane Obbagy

**Project:** Former Dawson's Brewery

**Driller:** Soil Exploration

**Client:** City of New Bedford

**Drilling Method:** Hollow Stem Auger

**Location:** 29 Brook Street, New Bedford, MA

**Drill Date:** December 15, 2004

SUBSURFACE PROFILE		SAMPLE					Blow Counts
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	
0	<i>FILL</i>	CB-1 0-2'	0-2'	24"	12"	36.6	8-10-15-15
1	Brown fine to coarse sand and brick. A mothball odor was observed in this boring.						
2	<i>FILL</i>	CB-1 5-7'	5-7'	24"	8"	74.9	6-10-6-6
3							
4		CB-1 9-11'	9-11'	24"	12"	1.9	3"/130
5	<i>FILL</i>						
6	Brown fine to coarse sand and brick, some fine to coarse gravel, trace silt, coal. Depth to groundwater approximately 5' bgs.	CB-1 13-15'	13-15'	24"	24"	298	36-24-14-50
7	<i>FILL</i>						
8							
9							
10	<i>FILL</i>						
11	Brown fine to coarse sand, silt, rock (concrete), brick, trace blue plastic fragments, wood, ash.						
12	<i>FILL TO NATIVE</i>						
13							
14	<i>NATIVE</i>						
15	Light brown fine to coarse sand and silt, trace pebbles.						

# Log of Borehole: CB-2



**Project No:** 41-04087.00

**Project Manager:** Jane Obbagy

**Project:** Former Dawson's Brewery

**Driller:** Soil Exploration

**Client:** City of New Bedford

**Drilling Method:** Hollow Stem Auger

**Location:** 29 Brook Street, New Bedford, MA

**Drill Date:** December 14, 2004

SUBSURFACE PROFILE		SAMPLE					
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	Blow Counts
0	<i>FILL</i>	CB-2 0-2'	0-2'	24"	8"	0.0	10-20-20-17
1	Brown fine to coarse sand, some silt, brick fragments, little pebbles, trace ash, coal.						
2	<i>FILL</i>	CB-2 5-7'	5-7'	24"	6"	0.2	8-8-5-4
3							
4							
5	<i>FILL</i>	CB-2 9-11'	9-11'	24"	8"	0.0	12-16-16-18
6	Brown fine to coarse sand, little brick, fine to coarse gravel, silt, trace pebbles. Depth to groundwater approximately 6' bgs.						
7	<i>FILL</i>	CB-2 9-11'	9-11'	24"	8"	0.0	12-16-16-18
8	Grayish brown to black fine to coarse sand, some silt, trace fine to coarse gravel/pebbles.						
9	<i>FILL</i>	CB-2 9-11'	9-11'	24"	8"	0.0	12-16-16-18
10	Brown fine to coarse sand and rock fragments.						
11	<i>FILL</i>	CB-2 9-11'	9-11'	24"	8"	0.0	12-16-16-18
12	Bedrock refusal at approximately 14' bgs.						
13		CB-2 9-11'	9-11'	24"	8"	0.0	12-16-16-18
14							
15							

# Log of Borehole: CB-3



**Project No:** 41-04087.00

**Project Manager:** Jane Obbagy

**Project:** Former Dawson's Brewery

**Driller:** Soil Exploration

**Client:** City of New Bedford

**Drilling Method:** Hollow Stem Auger

**Location:** 29 Brook Street, New Bedford, MA

**Drill Date:** December 14, 2004

SUBSURFACE PROFILE		SAMPLE					
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	Blow Counts
0	<i>FILL</i>	CB-3 0-2'	0-2'	24"	12"	0.0	8-8-14-9
1	Brown fine to coarse sand and brick, trace silt, pebbles. A mothball odor observed in this boring.						
2	<i>FILL</i>	CB-3 5-7'	5-7'	24"	3"	0.5	2-5-3-3
3							
4							
5	<i>FILL</i>	CB-3 9-11'	9-11'	24"	6"	0.3	15-50/1"
6	Brown fine to coarse sand, little brick, trace coal, pebbles. Depth to groundwater approximately 5.5' bgs.						
7	<i>FILL</i>	CB-3 13-15'	13-15'	24"	3"	0.5	50/5"
8							
9	<i>FILL</i>						
10	Gray fine to coarse sand and rocks (concrete), trace brick, coal.						
11	<i>FILL TO NATIVE</i>						
12							
13	<i>NATIVE</i>						
14	Grayish brown fine to medium sand and silt.						
15							

# Log of Borehole: CB-4



Project No: 41-04087.00

Project Manager: Jane Obbagy

Project: Former Dawson's Brewery

Driller: Soil Exploration

Client: City of New Bedford

Drilling Method: Hollow Stem Auger

Location: 29 Brook Street, New Bedford, MA

Drill Date: December 14, 2004

SUBSURFACE PROFILE		SAMPLE					Blow Counts
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	
0	<i>FILL</i>	CB-4 0-2'	0-2'	24"	12"	0.4	5-5-5-5
1	Light to dark brown fine to coarse sand and silt, little coal, trace brick, pebbles, wood fibers.						
2	<i>FILL</i>	CB-4 5-7'	5-7'	24"	20"	0.5	15-15-21-23
3							
4							
5	<i>FILL</i>	CB-4 9-11.5'	9-11.5'	24"	12"	0.3	12-22-25-50
6	Light brown fine to coarse sand and silt, trace brick.						
7	<i>FILL</i>						
8	Depth to groundwater approximately 8' bgs.						
9	<i>FILL TO NATIVE</i>						
10	Light brown fine to coarse sand and silt, little pebbles. Bedrock refusal at approximately 11.5' bgs.						
11							
12							
13							
14							
15							

# Log of Borehole: CB-5



Project No: 41-04087.00

Project Manager: Jane Obbagy

Project: Former Dawson's Brewery

Driller: Soil Exploration

Client: City of New Bedford

Drilling Method: Hollow Stem Auger

Location: 29 Brook Street, New Bedford, MA

Drill Date: December 14, 2004

SUBSURFACE PROFILE		SAMPLE					
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	Blow Counts
0	<i>FILL</i>	CB-5 0-2'	0-2'	24"	6"	0.0	4-4-5-5
1	Dark brown fine to coarse sand and silt, little coal, trace pebbles, brick, organics.						
2	<i>FILL</i>	CB-5 5-7'	5-7'	24"	12"	0.6	5-7-15-27
3							
4							
5	<i>FILL</i>	CB-5 9-12'	9-12'	36"	18"	0.9	27-33-18-100/1"
6	Brown fine to coarse sand and silt, some brick, trace coal.						
7	<i>FILL TO NATIVE</i>						
8							
9	<i>NATIVE</i>						
10	Brown fine to coarse sand and silt, some pebbles. Depth to groundwater approximately 10' bgs. Bedrock refusal at approximately 12' bgs.						
11							
12							
13							
14							
15							

# Log of Borehole: CB-6



**Project No:** 41-04087.00

**Project Manager:** Jane Obbagy

**Project:** Former Dawson's Brewery

**Driller:** Soil Exploration

**Client:** City of New Bedford

**Drilling Method:** Hollow Stem Auger

**Location:** 29 Brook Street, New Bedford, MA

**Drill Date:** December 15, 2004

SUBSURFACE PROFILE		SAMPLE					
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	Blow Counts
0	<i>FILL</i>	CB-6 0-2'	0-2'	24"	6"	0.0	15-27-50/1"
1	Reddish brown fine to coarse sand and brick, little (-) coal, rock (concrete). An unidentified odor was noted in this boring.						
2	<i>FILL</i>						
3		CB-6 5-7'	5-7'	24"	8"	1.0	10-6-3-3
4							
5	<i>FILL</i>						
6	Brown fine to coarse sand and silt, some brick, trace coal.	CB-6 9-11'	9-11'	24"	8"	0.2	20-100/4"
7	<i>FILL</i>						
8	Depth to groundwater approximately 8' bgs.						
9		CB-6 13-15'	13-15'	24"	6"	1.3	22-22-23-18
10	<i>FILL</i>						
11	Brown fine to coarse sand and silt, some coal, rocks (concrete), trace ash.						
12	<i>FILL TO NATIVE</i>						
13							
14	<i>NATIVE</i>						
15	Brown fine to coarse sand and silt, trace pebbles.						

# Log of Borehole: CB-7



Project No: 41-04087.00

Project Manager: Jane Obbagy

Project: Former Dawson's Brewery

Driller: Soil Exploration

Client: City of New Bedford

Drilling Method: Hollow Stem Auger

Location: 29 Brook Street, New Bedford, MA

Drill Date: December 15, 2004

SUBSURFACE PROFILE		SAMPLE					Blow Counts
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	
0	<i>FILL</i>	CB-7 0-2'	0-2'	24"	8"	1.9	24-50-30-20
1	Brown fine to coarse sand and silt, some brick, trace ash, coal, roots. A mothball odor was observed in this boring.						
2	<i>FILL</i>	CB-7 5-7'	5-7'	24"	6"	1.6	4-7-9-10
3							
4		CB-7 9-11'	9-11'	24"	6"	1.9	30-50/3"
5	<i>FILL</i>						
6	Brown fine to coarse sand and silt, some brick, trace coal, ash, roots. Steel rods/rebar was observed (likely associated with former onsite structure). Depth to groundwater approximately 5' bgs.						
7	<i>FILL</i>						
8							
9	<i>FILL</i>						
10	Brown fine to coarse sand and silt, some brick, pebbles, trace ash, coal. Bedrock refusal at approximately 11' bgs.						
11							
12							
13							
14							
15							

# Log of Borehole: CB-8



Project No: 41-04087.00

Project Manager: Jane Obbagy

Project: Former Dawson's Brewery

Driller: Soil Exploration

Client: City of New Bedford

Drilling Method: Hollow Stem Auger

Location: 29 Brook Street, New Bedford, MA

Drill Date: December 15, 2004

SUBSURFACE PROFILE		SAMPLE					
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	Blow Counts
0	<i>FILL</i>	CB-8 0-2'	0-2'	24"	12"	0.0	5-8-9-10
1	Brown fine to coarse sand, some brick, coal, little silt, concrete fragments, trace wood fibers, ash.						
2	<i>FILL</i>	CB-8 5-7'	5-7'	24"	6"	0.0	6-50/3"
3							
4							
5	<i>FILL</i>	CB-8 5-7'	5-7'	24"	6"	0.0	6-50/3"
6	Brown fine to coarse sand and silt, little brick, rock fragments (concrete), trace wood. Depth to groundwater approximately 6' bgs.						
7	<i>FILL</i>	CB-8 5-7'	5-7'	24"	6"	0.0	6-50/3"
8	Bedrock refusal at approximately 10.5' bgs.						
9		CB-8 5-7'	5-7'	24"	6"	0.0	6-50/3"
10							
11		CB-8 5-7'	5-7'	24"	6"	0.0	6-50/3"
12							
13		CB-8 5-7'	5-7'	24"	6"	0.0	6-50/3"
14							
15		CB-8 5-7'	5-7'	24"	6"	0.0	6-50/3"

# Log of Borehole: CB-9



Project No: 41-04087.00

Project Manager: Jane Obbagy

Project: Former Dawson's Brewery

Driller: Soil Exploration

Client: City of New Bedford

Drilling Method: Hollow Stem Auger

Location: 29 Brook Street, New Bedford, MA

Drill Date: December 14, 2004

SUBSURFACE PROFILE		SAMPLE					
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	Blow Counts
0	<i>FILL</i>	CB-9 0-2'	0-2'	24"	8"	0.7	6-9-12-20
1	Brown fine to coarse sand and silt, trace coal, brick, roots.						
2	<i>FILL</i>	CB-9 5-7'	5-7'	24"	20"	0.5	5-8-9-15
3							
4		CB-9 9-11'	9-11'	24"	8"	0.6	19-21-14-21
5	<i>FILL</i>						
6	Light brown fine to medium sand, little brick, trace coal.	CB-9 9-11'	9-11'	24"	8"	0.6	19-21-14-21
7							
8	<i>FILL</i>	CB-9 9-11'	9-11'	24"	8"	0.6	19-21-14-21
9	Light brown fine to coarse sand, trace pebbles, brick. Depth to groundwater approximately 10' bgs.						
10	<i>FILL</i>	CB-9 9-11'	9-11'	24"	8"	0.6	19-21-14-21
11	Bedrock refusal at approximately 13' bgs.						
12		CB-9 9-11'	9-11'	24"	8"	0.6	19-21-14-21
13							
14		CB-9 9-11'	9-11'	24"	8"	0.6	19-21-14-21
15							

# Log of Borehole: CB-10



**Project No:** 41-04087.00

**Project Manager:** Jane Obbagy

**Project:** Former Dawson's Brewery

**Driller:** Soil Exploration

**Client:** City of New Bedford

**Drilling Method:** Hollow Stem Auger

**Location:** 29 Brook Street, New Bedford, MA

**Drill Date:** December 14, 2004

SUBSURFACE PROFILE		SAMPLE					
Depth	Description	Sample Number	Sample Depth (Feet)	Pen. (Inches)	Recovery (Inches)	PID (ppm)	Blow Counts
0	<i>FILL</i>	CB-10 0-2'	0-2'	24"	8"	0.0	6-12-15-15
1	Brown fine to coarse sand, some silt, brick, little bedrock fragments, trace roots.						
2	<i>FILL</i>						
3		CB-10 5-7'	5-7'	24"	6"	6.8	10-8-6-80
4							
5	<i>FILL</i>						
6	Brown fine to coarse sand, some silt, pebbles, brick, trace coal. Depth to groundwater approximately 7' bgs.	CB-10 9-10.5'	9-10.5'	18"	2"	0.0	12-50/1"
7	<i>FILL TO NATIVE</i>						
8							
9	<i>NATIVE</i>	CB-10 9-10.5'	9-10.5'	18"	2"	0.0	12-50/1"
10	Brown fine to medium sand, silt, and rock fragments (concrete). Bedrock refusal at approximately 10.5' bgs.						
11							
12		CB-10 9-10.5'	9-10.5'	18"	2"	0.0	12-50/1"
13							
14							
15		CB-10 9-10.5'	9-10.5'	18"	2"	0.0	12-50/1"
15							
15							

APPENDIX F



**APPENDIX F**

**LABORATORY ANALYTICAL RESULTS**



**R.I. Analytical**

Specialists in Environmental Services

Page 1 of 32

**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
Attn: Mr. Siobhan Costello  
245 Turnpike Road  
Southborough, MA 01772

**Date Received:** 12/17/2004  
**Date Reported:** 12/29/2004  
**P.O. #:**  
**Work Order #:** 0412-19322

---

**DESCRIPTION: PROJECT #41-04087.00 NEW BEDFORD - 29 BROOK STREET**

---

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

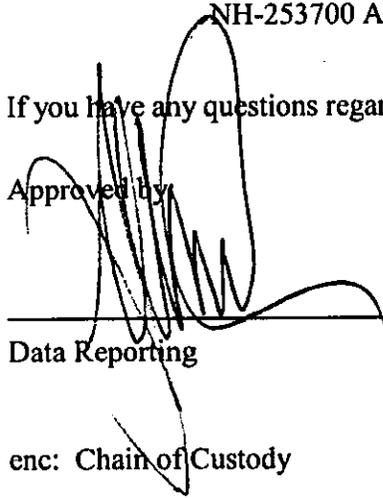
Reference: All parameters were analyzed by U.S. EPA approved methodologies and all NELAC requirements were met. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015  
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by

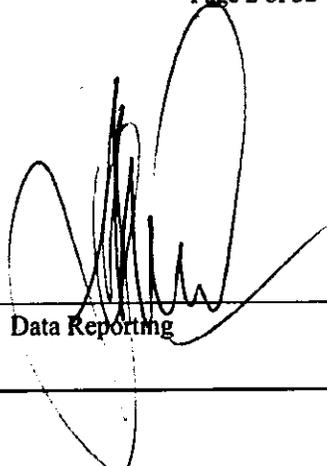
  
\_\_\_\_\_  
Data Reporting

enc: Chain of Custody

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting 

Sample # 001

SAMPLE DESCRIPTION: CB-1 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004 @ 09:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	1.5	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	0.6	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	1.5	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	<2.0	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	14		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	94		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	97		70-130%	MADEP	12/23/2004	RGM
<b>EPH/PAH</b>						
C9-C18 Aliphatics	<100	100	mg/kg dry	MADEP	12/23/2004	RJP
C19-C36 Aliphatics	140	100	mg/kg dry	MADEP	12/23/2004	RJP
C11-C22 Aromatics	280	50	mg/kg dry	MADEP	12/23/2004	RJP
Total EPH	420		mg/kg dry	MADEP	12/23/2004	RJP
<b>TARGET PAH ANALYTES</b>						
Naphthalene	<2	2	mg/kg dry	MADEP	12/23/2004	RJP
2-Methylnaphthalene	<2	2	mg/kg dry	MADEP	12/23/2004	RJP
Acenaphthylene	<2	2	mg/kg dry	MADEP	12/23/2004	RJP
Acenaphthene	<2	2	mg/kg dry	MADEP	12/23/2004	RJP
Fluorene	<2	2	mg/kg dry	MADEP	12/23/2004	RJP
Phenanthrene	12	2	mg/kg dry	MADEP	12/23/2004	RJP
Anthracene	3	2	mg/kg dry	MADEP	12/23/2004	RJP
Fluoranthene	18	2	mg/kg dry	MADEP	12/23/2004	RJP
Pyrene	17	2	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(a)anthracene	9	2	mg/kg dry	MADEP	12/23/2004	RJP
Chrysene	9	2	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(b)fluoranthene	7	2	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(k)fluoranthene	7	2	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(a)pyrene	8	2	mg/kg dry	MADEP	12/23/2004	RJP
Indeno(1,2,3-cd)pyrene	6	2	mg/kg dry	MADEP	12/23/2004	RJP
Dibenzo(a,h)anthracene	<2	2	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(g,h,i)perylene	4	2	mg/kg dry	MADEP	12/23/2004	RJP
MOISTURE	14		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE		12/23/2004	RJP

R.I. Analytical Laboratories, Inc.  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting \_\_\_\_\_

Sample # 001

SAMPLE DESCRIPTION: CB-1 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004 @ 09:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	75		40-140%	MADEP	12/23/2004	RJP
Ortho-terphenyl	86		40-140%	MADEP	12/23/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/23/2004	RJP
2-Fluorobiphenyl	95		40-140%	MADEP	12/23/2004	RJP
2-Bromonaphthalene	100		40-140%	MADEP	12/23/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
PCB						
Aroclor-1016	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1221	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1232	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1242	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1248	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1254	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1260	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
MOISTURE	14		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE	SW-846 8082	12/23/2004	MFT
Tetrachloro-m-xylene (TCMX)	82		30-150%	SW-846 8082	12/23/2004	MFT
Decachlorobiphenyl	73		30-150%	SW-846 8082	12/23/2004	MFT
Extraction date	Extracted			SW846 3550	12/21/2004	GM
Volatile Organic Compounds						
Benzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromochloromethane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromodichloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromoform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromomethane	<1.0	1.0	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
sec-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
tert-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Carbon Tetrachloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
2-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
4-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromochloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromo-3-Chloropropane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromoethane (EDB)	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromomethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting \_\_\_\_\_

Sample # 001

SAMPLE DESCRIPTION: CB-1 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004 @ 09:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,4-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dichlorodifluoromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
cis-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
trans-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
2,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloropropene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Ethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Hexachlorobutadiene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Isopropylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
p-Isopropyltoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Methylene Chloride	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Naphthalene	0.3	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Propylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Styrene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Tetrachloroethene	6.7	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Toluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichloroethene	5.6	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichlorofluoromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3,5-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Vinyl Chloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
o-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
m&p-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
MTBE	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
MOISTURE	14		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE	5035/8260B	12/23/2004	BAS
Dibromofluoromethane	97		80-120%	5035/8260B	12/23/2004	BAS
Toluene-d8	103		81-117%	5035/8260B	12/23/2004	BAS
4-Bromofluorobenzene	98		74-121%	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane-d4	100		80-120%	5035/8260B	12/23/2004	BAS

R.I. Analytical Laboratories, Inc.  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 001

SAMPLE DESCRIPTION: CB-1 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004 @ 09:15

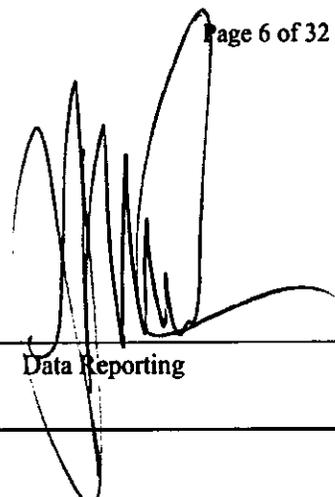
PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Acenaphthene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Acenaphthylene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Anthracene	2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Benzidine	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Benzo(a)anthracene	6	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Benzo(b)fluoranthene	6	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Benzo(k)fluoranthene	4	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Benzo(g,h,i)perylene	2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Benzo(a)pyrene	6	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Bis(2-chloroethyl)ether	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Bis(2-Chloroethoxy)methane	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
bis(2-chloroisopropyl)ether	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Bis(2-ethylhexyl)phthalate	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
4-Bromophenyl phenyl ether	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Butylbenzyl phthalate	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2-Chloronaphthalene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
4-Chlorophenyl phenyl ether	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Chrysene	6	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Dibenzo(a,h)anthracene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Di-n-butyl phthalate	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
1,2-Dichlorobenzene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
1,3-Dichlorobenzene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
1,4-Dichlorobenzene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
3,3'-Dichlorobenzidine	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Diethyl phthalate	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Dimethyl phthalate	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2,4-Dinitrotoluene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2,6-Dinitrotoluene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Di-n-octyl phthalate	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
1,2-Diphenylhydrazine	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Fluoranthene	13	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Fluorene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Hexachlorobenzene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Hexachlorobutadiene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Hexachlorocyclopentadiene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Hexachloroethane	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Indeno(1,2,3-cd)pyrene	2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Isophorone	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Naphthalene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Nitrobenzene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
N-nitrosodimethylamine	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
N-nitrosodiphenylamine	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
N-nitrosodi-n-propylamine	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Phenanthrene	10	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting



Sample # 001  
 SAMPLE DESCRIPTION: CB-1 (5-7')  
 SAMPLE TYPE: GRAB

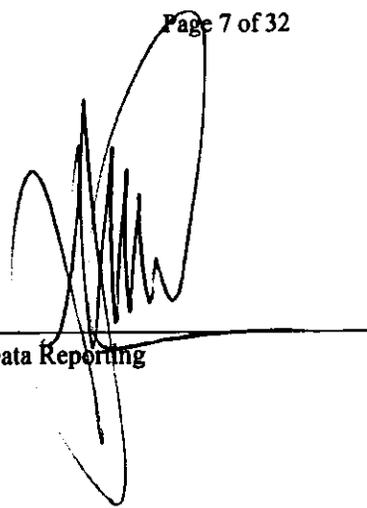
SAMPLE DATE/TIME: 12/15/2004 @ 09:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Pyrene	12	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
1,2,4-Trichlorobenzene	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
4-Chloro-3-methylphenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2-Chlorophenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2,4-Dichlorophenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2,4-Dimethylphenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2-Methyl-4,6-dinitrophenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2,4-Dinitrophenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2-Nitrophenol	<2	2	mg/kg dry	SW-846 8270S	12/24/2004	DMM
4-Nitrophenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Pentachlorophenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
Phenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
2,4,6-Trichlorophenol	<2	2	mg/kg dry	SW-846 8270C	12/24/2004	DMM
MOISTURE	14		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE	SW-846 8270C	12/24/2004	DMM
Phenol-d5	49		24-113%	SW-846 8270C	12/24/2004	DMM
2-Fluorophenol	47		25-121%	SW-846 8270C	12/24/2004	DMM
2,4,6-Tribromophenol	58		19-122%	SW-846 8270C	12/24/2004	DMM
Nitrobenzene-d5	42		23-120%	SW-846 8270C	12/24/2004	DMM
2-Fluorobiphenyl	58		30-115%	SW-846 8270C	12/24/2004	DMM
P-Terphenyl-d14	74		18-137%	SW-846 8270C	12/24/2004	DMM
Extraction date	Extracted			SW846 3550	12/21/2004	GM
TOTAL METALS						
ARSENIC	<5.7	5.7	mg/kg dry	SW-846 6010	12/26/2004	KSL
BARIUM	75	0.57	mg/kg dry	SW-846 6010	12/26/2004	KSL
CADMIUM	<0.28	0.28	mg/kg dry	SW-846 6010	12/26/2004	KSL
CHROMIUM	7.2	1.7	mg/kg dry	SW-846 6010	12/26/2004	KSL
LEAD	110	2.3	mg/kg dry	SW-846 6010	12/26/2004	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	12/22/2004	KSL
SELENIUM	<11	11	mg/kg dry	SW-846 6010	12/26/2004	KSL
SILVER	1.2	1.1	mg/kg dry	SW-846 6010	12/26/2004	KSL

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Clayton Group Services  
Date Received: 12/17/2004  
Work Order #: 0412-19322

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Data Reporting

A large, stylized handwritten signature in black ink, written over a horizontal line. The signature is highly cursive and loops around the line.

Method 8270C: Increased detection limit due to sample matrix.

All QA/QC procedures required by the VPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC  
procedures were achieved or otherwise stated.  
No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC  
procedures were achieved or otherwise stated.  
No significant modifications were made to the EPH Method with the  
following exception: C-range values may have been blank subtracted  
to minimize the effect of leachable plasticizers from the SPE  
cartridges.

EPH: Increased detection limit due to sample matrix.

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Data Reporting

Sample # 002

SAMPLE DESCRIPTION: CB-1 (13-15')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004 @ 09:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	13	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	13	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	<2.0	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	18		%	SM2540 G.	12/22/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	74		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	79		70-130%	MADEP	12/23/2004	RGM
<b>EPH/PAH</b>						
C9-C18 Aliphatics	<10	10	mg/kg dry	MADEP	12/24/2004	RJP
C19-C36 Aliphatics	51	10	mg/kg dry	MADEP	12/24/2004	RJP
C11-C22 Aromatics	12	10	mg/kg dry	MADEP	12/24/2004	RJP
Total EPH	63		mg/kg dry	MADEP	12/24/2004	RJP
<b>TARGET PAH ANALYTES</b>						
Naphthalene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
2-Methylnaphthalene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Acenaphthylene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Acenaphthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Fluorene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Phenanthrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Chrysene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(a)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
MOISTURE	18		%	SM2540 G.	12/22/2004	JG
SURROGATES			RANGE		12/24/2004	RJP

R.I. Analytical Laboratories, Inc.  
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Clayton Group Services  
 Date Received: 12/17/2004  
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Approved by: \_\_\_\_\_

Data Reporting

Sample # 002

SAMPLE DESCRIPTION: CB-1 (13-15')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004 @ 09:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	75		40-140%	MADEP	12/24/2004	RJP
Ortho-terphenyl	73		40-140%	MADEP	12/24/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/24/2004	RJP
2-Fluorobiphenyl	87		40-140%	MADEP	12/24/2004	RJP
2-Bromonaphthalene	91		40-140%	MADEP	12/24/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
Volatile Organic Compounds						
Benzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromochloromethane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromodichloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromoform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromomethane	<1.0	1.0	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
sec-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
tert-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Carbon Tetrachloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
2-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
4-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromochloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromo-3-Chloropropane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromoethane(EDB)	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromomethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,4-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dichlorodifluoromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
cis-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
trans-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
2,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloropropene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Ethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Hexachlorobutadiene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Isopropylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS

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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 002

SAMPLE DESCRIPTION: CB-1 (13-15')

SAMPLE TYPE: GRAB

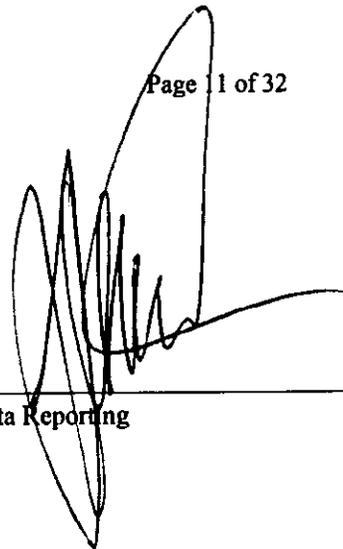
SAMPLE DATE/TIME: 12/15/2004 @ 09:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
p-Isopropyltoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Methylene Chloride	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Naphthalene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Propylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Styrene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Tetrachloroethene	46	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Toluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichloroethene	26	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichlorofluoromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3,5-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Vinyl Chloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
o-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
m&p-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
MTBE	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
MOISTURE	18		%	SM2540 G.	12/22/2004	JG
SURROGATES			RANGE	5035/8260B	12/23/2004	BAS
Dibromofluoromethane	98		80-120%	5035/8260B	12/23/2004	BAS
Toluene-d8	102		81-117%	5035/8260B	12/23/2004	BAS
4-Bromofluorobenzene	98		74-121%	5035/8260B	12/23/2004	BAS
1,2 Dichloroethane-d4	100		80-120%	5035/8260B	12/23/2004	BAS
TOTAL METALS						
ARSENIC	<6.0	6.0	mg/kg dry	SW-846 6010	12/26/2004	KSL
BARIUM	18	0.60	mg/kg dry	SW-846 6010	12/26/2004	KSL
CADMIUM	<0.30	0.30	mg/kg dry	SW-846 6010	12/26/2004	KSL
CHROMIUM	6.0	1.8	mg/kg dry	SW-846 6010	12/26/2004	KSL
LEAD	<6.0	6.0	mg/kg dry	SW-846 6010	12/26/2004	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	12/22/2004	KSL
SELENIUM	<12	12	mg/kg dry	SW-846 6010	12/26/2004	KSL
SILVER	<1.2	1.2	mg/kg dry	SW-846 6010	12/26/2004	KSL

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
Date Received: 12/17/2004  
Work Order #: 0412-19322

Approved by: \_\_\_\_\_  
Data Reporting

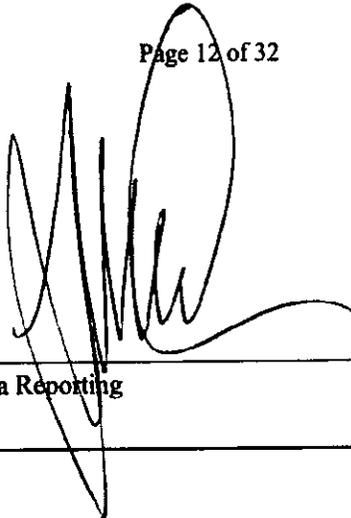
A large, stylized handwritten signature in black ink, written over a horizontal line. The signature is highly cursive and loops around the line.

All QA/QC procedures required by the VPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC  
procedures were achieved or otherwise stated.  
No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC  
procedures were achieved or otherwise stated.  
No significant modifications were made to the EPH Method with the  
following exception: C-range values may have been blank subtracted  
to minimize the effect of leachable plasticizers from the SPE  
cartridges.

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 Date Received: 12/17/2004  
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Approved by:   
 Data Reporting

Sample # 003

SAMPLE DESCRIPTION: CB-2 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	2.5	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	2.0	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	2.5	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	15		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	87		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	90		70-130%	MADEP	12/23/2004	RGM
<b>EPH/PAH</b>						
C9-C18 Aliphatics	<200	200	mg/kg dry	MADEP	12/23/2004	RJP
C19-C36 Aliphatics	230	200	mg/kg dry	MADEP	12/23/2004	RJP
C11-C22 Aromatics	850	100	mg/kg dry	MADEP	12/23/2004	RJP
Total EPH	1080		mg/kg dry	MADEP	12/23/2004	RJP
<b>TARGET PAH ANALYTES</b>						
Naphthalene	<4	4	mg/kg dry	MADEP	12/23/2004	RJP
2-Methylnaphthalene	<4	4	mg/kg dry	MADEP	12/23/2004	RJP
Acenaphthylene	<4	4	mg/kg dry	MADEP	12/23/2004	RJP
Acenaphthene	5	4	mg/kg dry	MADEP	12/23/2004	RJP
Fluorene	7	4	mg/kg dry	MADEP	12/23/2004	RJP
Phenanthrene	53	4	mg/kg dry	MADEP	12/23/2004	RJP
Anthracene	15	4	mg/kg dry	MADEP	12/23/2004	RJP
Fluoranthene	65	4	mg/kg dry	MADEP	12/23/2004	RJP
Pyrene	63	4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(a)anthracene	30	4	mg/kg dry	MADEP	12/23/2004	RJP
Chrysene	30	4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(b)fluoranthene	20	4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(k)fluoranthene	23	4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(a)pyrene	24	4	mg/kg dry	MADEP	12/23/2004	RJP
Indeno(1,2,3-cd)pyrene	15	4	mg/kg dry	MADEP	12/23/2004	RJP
Dibenzo(a,h)anthracene	4	4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(g,h,i)perylene	11	4	mg/kg dry	MADEP	12/23/2004	RJP
MOISTURE	15		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE		12/23/2004	RJP

R.I. Analytical Laboratories, Inc.  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 003

SAMPLE DESCRIPTION: CB-2 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	81		40-140%	MADEP	12/23/2004	RJP
Ortho-terphenyl	78		40-140%	MADEP	12/23/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/23/2004	RJP
2-Fluorobiphenyl	93		40-140%	MADEP	12/23/2004	RJP
2-Bromonaphthalene	100		40-140%	MADEP	12/23/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
<b>PCB</b>						
Aroclor-1016	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1221	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1232	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1242	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1248	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1254	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1260	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
MOISTURE	15		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE	SW-846 8082	12/23/2004	MFT
Tetrachloro-m-xylene (TCMX)	74		30-150%	SW-846 8082	12/23/2004	MFT
Decachlorobiphenyl	63		30-150%	SW-846 8082	12/23/2004	MFT
Extraction date	Extracted			SW846 3550	12/21/2004	GM
<b>Volatile Organic Compounds</b>						
Benzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromochloromethane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromodichloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromoform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromomethane	<1.0	1.0	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
sec-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
tert-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Carbon Tetrachloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
2-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
4-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromochloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromo-3-Chloropropane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromoethane (EDB)	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromomethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS

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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 003

SAMPLE DESCRIPTION: CB-2 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,4-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dichlorodifluoromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
cis-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
trans-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
2,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloropropene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Ethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Hexachlorobutadiene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Isopropylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
p-Isopropyltoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Methylene Chloride	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Naphthalene	1.4	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Propylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Styrene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Tetrachloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Toluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichlorofluoromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3,5-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Vinyl Chloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
o-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
m&p-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
MTBE	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
MOISTURE	15		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE	5035/8260B	12/23/2004	BAS
Dibromofluoromethane	99		80-120%	5035/8260B	12/23/2004	BAS
Toluene-d8	104		81-117%	5035/8260B	12/23/2004	BAS
4-Bromofluorobenzene	97		74-121%	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane-d4	102		80-120%	5035/8260B	12/23/2004	BAS

TOTAL METALS

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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 003

SAMPLE DESCRIPTION: CB-2 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
ARSENIC	<5.6	5.6	mg/kg dry	SW-846 6010	12/26/2004	KSL
BARIUM	94	0.56	mg/kg dry	SW-846 6010	12/26/2004	KSL
CADMIUM	0.45	0.28	mg/kg dry	SW-846 6010	12/26/2004	KSL
CHROMIUM	14	1.7	mg/kg dry	SW-846 6010	12/26/2004	KSL
LEAD	96	2.2	mg/kg dry	SW-846 6010	12/26/2004	KSL
MERCURY	3.8	0.25	mg/kg dry	SW-846 7471A	12/22/2004	KSL
SELENIUM	<11	11	mg/kg dry	SW-846 6010	12/26/2004	KSL
SILVER	<1.1	1.1	mg/kg dry	SW-846 6010	12/26/2004	KSL

All QA/QC procedures required by the VPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

EPH: Increased detection limit due to sample matrix.

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 004

SAMPLE DESCRIPTION: CB-2 (9-11')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	4.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	0.8	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	2.2	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	10		%	SM2540 G.	12/22/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	81		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	84		70-130%	MADEP	12/23/2004	RGM
<b>EPH/PAH</b>						
C9-C18 Aliphatics	<10	10	mg/kg dry	MADEP	12/27/2004	RJP
C19-C36 Aliphatics	<10	10	mg/kg dry	MADEP	12/27/2004	RJP
C11-C22 Aromatics	<10	10	mg/kg dry	MADEP	12/27/2004	RJP
Total EPH	<30		mg/kg dry	MADEP	12/27/2004	RJP
<b>TARGET PAH ANALYTES</b>						
Naphthalene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
2-Methylnaphthalene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Acenaphthylene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Acenaphthene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Fluorene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Phenanthrene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Anthracene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Fluoranthene	0.6	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Pyrene	0.6	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Chrysene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(a)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	MADEP	12/27/2004	RJP
MOISTURE	10		%	SM2540 G.	12/22/2004	JG
SURROGATES			RANGE		12/27/2004	RJP

R.I. Analytical Laboratories, Inc.  
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Clayton Group Services  
Date Received: 12/17/2004  
Work Order #: 0412-19322

Approved by: \_\_\_\_\_  
Data Reporting

Sample # 004  
SAMPLE DESCRIPTION: CB-2 (9-11')  
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	58		40-140%	MADEP	12/27/2004	RJP
Ortho-terphenyl	67		40-140%	MADEP	12/27/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/27/2004	RJP
2-Fluorobiphenyl	92		40-140%	MADEP	12/27/2004	RJP
2-Bromonaphthalene	96		40-140%	MADEP	12/27/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
TOTAL METALS						
LEAD	12	2.1	mg/kg dry	SW-846 6010	12/26/2004	KSL

All QA/QC procedures required by the VPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

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Data Reporting

Sample # 005

SAMPLE DESCRIPTION: CB-3 (0-2')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
VPH						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	5.2	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylen	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	4.5	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	5.4	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	12		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	86		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	85		70-130%	MADEP	12/23/2004	RGM
EPH/PAH						
C9-C18 Aliphatics	<100	100	mg/kg dry	MADEP	12/27/2004	RJP
C19-C36 Aliphatics	400	100	mg/kg dry	MADEP	12/27/2004	RJP
C11-C22 Aromatics	1500	100	mg/kg dry	MADEP	12/27/2004	RJP
Total EPH	1900		mg/kg dry	MADEP	12/27/2004	RJP
TARGET PAH ANALYTES					12/27/2004	RJP
Naphthalene	7	4	mg/kg dry	MADEP	12/27/2004	RJP
2-Methylnaphthalene	4	4	mg/kg dry	MADEP	12/27/2004	RJP
Acenaphthylene	<4	4	mg/kg dry	MADEP	12/27/2004	RJP
Acenaphthene	16	4	mg/kg dry	MADEP	12/27/2004	RJP
Fluorene	22	4	mg/kg dry	MADEP	12/27/2004	RJP
Phenanthrene	120	4	mg/kg dry	MADEP	12/27/2004	RJP
Anthracene	37	4	mg/kg dry	MADEP	12/27/2004	RJP
Fluoranthene	110	4	mg/kg dry	MADEP	12/27/2004	RJP
Pyrene	110	4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(a)anthracene	47	4	mg/kg dry	MADEP	12/27/2004	RJP
Chrysene	44	4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(b)fluoranthene	27	4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(k)fluoranthene	30	4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(a)pyrene	33	4	mg/kg dry	MADEP	12/27/2004	RJP
Indeno(1,2,3-cd)pyrene	17	4	mg/kg dry	MADEP	12/27/2004	RJP
Dibenzo(a,h)anthracene	5	4	mg/kg dry	MADEP	12/27/2004	RJP
Benzo(g,h,i)perylene	12	4	mg/kg dry	MADEP	12/27/2004	RJP
MOISTURE	12		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE		12/27/2004	RJP

R.I. Analytical Laboratories, Inc.  
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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 005

SAMPLE DESCRIPTION: CB-3 (0-2')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	78		40-140%	MADEP	12/27/2004	RJP
Ortho-terphenyl	87		40-140%	MADEP	12/27/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/27/2004	RJP
2-Fluorobiphenyl	101		40-140%	MADEP	12/27/2004	RJP
2-Bromonaphthalene	58		40-140%	MADEP	12/27/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
PCB						
Aroclor-1016	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1221	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1232	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1242	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1248	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1254	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1260	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
MOISTURE	12		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE	SW-846 8082	12/23/2004	MFT
Tetrachloro-m-xylene (TCMX)	80		30-150%	SW-846 8082	12/23/2004	MFT
Decachlorobiphenyl	62		30-150%	SW-846 8082	12/23/2004	MFT
Extraction date	Extracted			SW846 3550	12/21/2004	GM
Volatile Organic Compounds						
Benzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromochloromethane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromodichloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromoform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromomethane	<1.0	1.0	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
sec-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
tert-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Carbon Tetrachloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
2-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
4-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromochloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromo-3-Chloropropane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromoethane (EDB)	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromomethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS

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Clayton Group Services  
Date Received: 12/17/2004  
Work Order #: 0412-19322

Approved by: \_\_\_\_\_  
Data Reporting

Sample # 005  
SAMPLE DESCRIPTION: CB-3 (0-2')  
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,4-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dichlorodifluoromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
cis-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
trans-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
2,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloropropene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Ethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Hexachlorobutadiene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Isopropylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
p-Isopropyltoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Methylene Chloride	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Naphthalene	5.6	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Propylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Styrene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Tetrachloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Toluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichlorofluoromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3,5-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Vinyl Chloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
o-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
m&p-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
MTBE	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
MOISTURE	12		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE	5035/8260B	12/23/2004	BAS
Dibromofluoromethane	96		80-120%	5035/8260B	12/23/2004	BAS
Toluene-d8	104		81-117%	5035/8260B	12/23/2004	BAS
4-Bromofluorobenzene	97		74-121%	5035/8260B	12/23/2004	BAS
1,2 Dichloroethane-d4	97		80-120%	5035/8260B	12/23/2004	BAS

TOTAL METALS

**R.I. Analytical Laboratories, Inc.**  
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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 005

SAMPLE DESCRIPTION: CB-3 (0-2')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
ARSENIC	<5.5	5.5	mg/kg dry	SW-846 6010	12/26/2004	KSL
BARIUM	140	0.55	mg/kg dry	SW-846 6010	12/26/2004	KSL
CADMIUM	0.36	0.27	mg/kg dry	SW-846 6010	12/26/2004	KSL
CHROMIUM	14	1.6	mg/kg dry	SW-846 6010	12/26/2004	KSL
LEAD	110	2.2	mg/kg dry	SW-846 6010	12/26/2004	KSL
MERCURY	0.92	0.25	mg/kg dry	SW-846 7471A	12/22/2004	KSL
SELENIUM	<11	11	mg/kg dry	SW-846 6010	12/26/2004	KSL
SILVER	<1.1	1.1	mg/kg dry	SW-846 6010	12/26/2004	KSL

All QA/QC procedures required by the VPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

EPH: Increased detection limit due to sample matrix.

R.I. Analytical Laboratories, Inc.  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 006

SAMPLE DESCRIPTION: CB-3 (13-15')

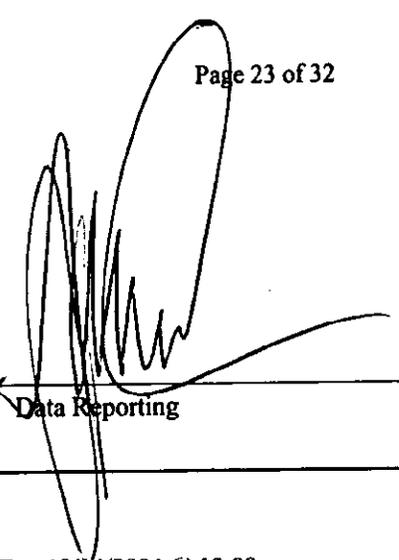
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
VPH						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	3.2	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	0.5	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	0.4	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	2.5	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	13		%	SM2540 G.	12/22/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	89		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	94		70-130%	MADEP	12/23/2004	RGM
EPH/PAH						
C9-C18 Aliphatics	<10	10	mg/kg dry	MADEP	12/23/2004	RJP
C19-C36 Aliphatics	<10	10	mg/kg dry	MADEP	12/23/2004	RJP
C11-C22 Aromatics	<10	10	mg/kg dry	MADEP	12/23/2004	RJP
Total EPH	<30		mg/kg dry	MADEP	12/23/2004	RJP
TARGET PAH ANALYTES					12/23/2004	RJP
Naphthalene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
2-Methylnaphthalene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Acenaphthylene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Acenaphthene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Fluorene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Phenanthrene	0.5	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Anthracene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Fluoranthene	0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Pyrene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Chrysene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(a)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	MADEP	12/23/2004	RJP
MOISTURE	13		%	SM2540 G.	12/22/2004	JG
SURROGATES			RANGE		12/23/2004	RJP

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: 

Data Reporting

Sample # 006

SAMPLE DESCRIPTION: CB-3 (13-15')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	64		40-140%	MADEP	12/23/2004	RJP
Ortho-terphenyl	69		40-140%	MADEP	12/23/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/23/2004	RJP
2-Fluorobiphenyl	87		40-140%	MADEP	12/23/2004	RJP
2-Bromonaphthalene	89		40-140%	MADEP	12/23/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
<b>TOTAL METALS</b>						
LEAD	<2.2	2.2	mg/kg dry	SW-846 6010	12/26/2004	KSL

All QA/QC procedures required by the VPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

R.I. Analytical Laboratories, Inc.  
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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 007

SAMPLE DESCRIPTION: CB-4 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 10:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
VPH						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	<2.0	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	7		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	93		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	97		70-130%	MADEP	12/23/2004	RGM
EPH/PAH						
C9-C18 Aliphatics	<10	10	mg/kg dry	MADEP	12/24/2004	RJP
C19-C36 Aliphatics	<10	10	mg/kg dry	MADEP	12/24/2004	RJP
C11-C22 Aromatics	<10	10	mg/kg dry	MADEP	12/24/2004	RJP
Total EPH	<30		mg/kg dry	MADEP	12/24/2004	RJP
TARGET PAH ANALYTES					12/24/2004	RJP
Naphthalene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
2-Methylnaphthalene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Acenaphthylene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Acenaphthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Fluorene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Phenanthrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Chrysene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(a)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
MOISTURE	7		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE		12/24/2004	RJP

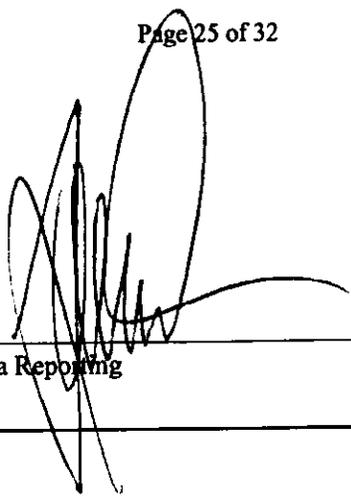
## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services

Date Received: 12/17/2004

Work Order #: 0412-19322

Approved by: 

Data Reporting

Sample # 007

SAMPLE DESCRIPTION: CB-4 (5-7')

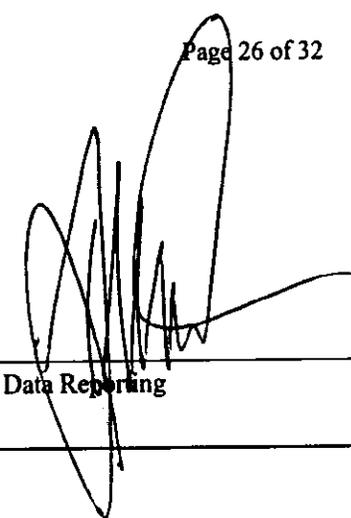
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 10:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	57		40-140%	MADEP	12/24/2004	RJP
Ortho-terphenyl	53		40-140%	MADEP	12/24/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/24/2004	RJP
2-Fluorobiphenyl	80		40-140%	MADEP	12/24/2004	RJP
2-Bromonaphthalene	83		40-140%	MADEP	12/24/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
PCB						
Aroclor-1016	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1221	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1232	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1242	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1248	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1254	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
Aroclor-1260	<0.1	0.1	mg/kg dry	SW-846 8082	12/23/2004	MFT
MOISTURE	7		%	SM2540 G.	12/21/2004	JG
SURROGATE			RANGE	SW-846 8082	12/23/2004	MFT
Tetrachloro-m-xylene (TCMX)	85		30-150%	SW-846 8082	12/23/2004	MFT
Decachlorobiphenyl	84		30-150%	SW-846 8082	12/23/2004	MFT
Extraction date	Extracted			SW846 3550	12/21/2004	GM
Volatile Organic Compounds						
Benzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromochloromethane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromodichloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromoform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Bromomethane	<1.0	1.0	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
sec-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
tert-Butylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Carbon Tetrachloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloroform	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Chloromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
2-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
4-Chlorotoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromochloromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromo-3-Chloropropane	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dibromoethane(EDB)	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dibromomethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS

R.I. Analytical Laboratories, Inc.  
CERTIFICATE OF ANALYSIS

Clayton Group Services  
Date Received: 12/17/2004  
Work Order #: 0412-19322

Approved by:   
Data Reporting

Sample # 007  
SAMPLE DESCRIPTION: CB-4 (5-7')  
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 10:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,4-Dichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Dichlorodifluoromethane	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
cis-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
trans-1,2-Dichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
2,2-Dichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1-Dichloropropene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Ethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Hexachlorobutadiene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Isopropylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
p-Isopropyltoluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Methylene Chloride	<0.5	0.5	mg/kg dry	5035/8260B	12/23/2004	BAS
Naphthalene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
n-Propylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Styrene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2,2-Tetrachloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Tetrachloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Toluene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trichlorobenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,1-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,1,2-Trichloroethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichloroethene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Trichlorofluoromethane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,3-Trichloropropane	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,2,4-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
1,3,5-Trimethylbenzene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
Vinyl Chloride	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
o-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
m&p-Xylene	<0.2	0.2	mg/kg dry	5035/8260B	12/23/2004	BAS
MTBE	<0.4	0.4	mg/kg dry	5035/8260B	12/23/2004	BAS
MOISTURE	7		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE	5035/8260B	12/23/2004	BAS
Dibromofluoromethane	97		80-120%	5035/8260B	12/23/2004	BAS
Toluene-d8	102		81-117%	5035/8260B	12/23/2004	BAS
4-Bromofluorobenzene	97		74-121%	5035/8260B	12/23/2004	BAS
1,2 Dichloroethane-d4	99		80-120%	5035/8260B	12/23/2004	BAS

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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 007

SAMPLE DESCRIPTION: CB-4 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 10:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Acenaphthene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Acenaphthylene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Anthracene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Benzidine	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Benzo(a)anthracene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Benzo(b)fluoranthene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Benzo(k)fluoranthene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Benzo(g,h,i)perylene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Benzo(a)pyrene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Bis(2-chloroethyl)ether	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Bis(2-Chloroethoxy)methane	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
bis(2-chloroisopropyl)ether	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Bis(2-ethylhexyl)phthalate	1.1	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
4-Bromophenyl phenyl ether	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Butylbenzyl phthalate	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2-Chloronaphthalene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
4-Chlorophenyl phenyl ether	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Chrysene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Dibenzo(a,h)anthracene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Di-n-butyl phthalate	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
1,2-Dichlorobenzene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
1,3-Dichlorobenzene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
1,4-Dichlorobenzene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
3,3'-Dichlorobenzidine	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Diethyl phthalate	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Dimethyl phthalate	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2,4-Dinitrotoluene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2,6-Dinitrotoluene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Di-n-octyl phthalate	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
1,2-Diphenylhydrazine	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Fluoranthene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Fluorene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Hexachlorobenzene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Hexachlorobutadiene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Hexachlorocyclopentadiene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Hexachloroethane	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Indeno(1,2,3-cd)pyrene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Isophorone	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Naphthalene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Nitrobenzene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
N-nitrosodimethylamine	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
N-nitrosodiphenylamine	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
N-nitrosodi-n-propylamine	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Phenanthrene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM

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Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 007

SAMPLE DESCRIPTION: CB-4 (5-7')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 10:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Pyrene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
1,2,4-Trichlorobenzene	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
4-Chloro-3-methylphenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2-Chlorophenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2,4-Dichlorophenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2,4-Dimethylphenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2-Methyl-4,6-dinitrophenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2,4-Dinitrophenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2-Nitrophenol	<0.7	0.7	mg/kg dry	SW-846 8270S	12/23/2004	DMM
4-Nitrophenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Pentachlorophenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
Phenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
2,4,6-Trichlorophenol	<0.7	0.7	mg/kg dry	SW-846 8270C	12/23/2004	DMM
MOISTURE	7		%	SM2540 G.	12/21/2004	JG
SURROGATES			RANGE	SW-846 8270C	12/23/2004	DMM
Phenol-d5	113		24-113%	SW-846 8270C	12/23/2004	DMM
2-Fluorophenol	165		25-121%	SW-846 8270C	12/23/2004	DMM
2,4,6-Tribromophenol	96		19-122%	SW-846 8270C	12/23/2004	DMM
Nitrobenzene-d5	99		23-120%	SW-846 8270C	12/23/2004	DMM
2-Fluorobiphenyl	117		30-115%	SW-846 8270C	12/23/2004	DMM
P-Terphenyl-d14	118		18-137%	SW-846 8270C	12/23/2004	DMM
Extraction date	Extracted			SW846 3550	12/21/2004	GM
TOTAL METALS						
ARSENIC	<5.4	5.4	mg/kg dry	SW-846 6010	12/26/2004	KSL
BARIUM	9.8	0.54	mg/kg dry	SW-846 6010	12/26/2004	KSL
CADMIUM	<0.27	0.27	mg/kg dry	SW-846 6010	12/26/2004	KSL
CHROMIUM	3.1	1.6	mg/kg dry	SW-846 6010	12/26/2004	KSL
LEAD	<2.2	2.2	mg/kg dry	SW-846 6010	12/26/2004	KSL
MERCURY	<0.25	0.25	mg/kg dry	SW-846 7471A	12/22/2004	KSL
SELENIUM	<11	11	mg/kg dry	SW-846 6010	12/26/2004	KSL
SILVER	<1.1	1.1	mg/kg dry	SW-846 6010	12/26/2004	KSL

All QA/QC procedures required by the VPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

R.I. Analytical Laboratories, Inc.  
CERTIFICATE OF ANALYSIS

Approved by: \_\_\_\_\_  
Data Reporting

Clayton Group Services  
Date Received: 12/17/2004  
Work Order #: 0412-19322

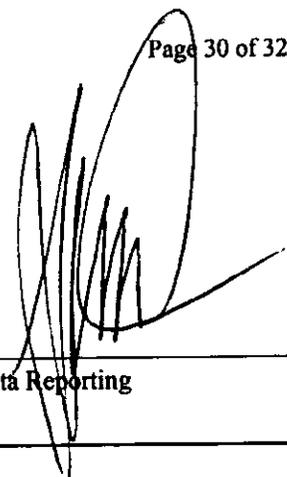
Sample # 008  
SAMPLE DESCRIPTION: CB-4 (9-11')  
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 10:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	<2.0	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	8		%	SM2540 G.	12/22/2004	JG
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	85		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	90		70-130%	MADEP	12/23/2004	RGM
<b>EPH/PAH</b>						
C9-C18 Aliphatics	<10	10	mg/kg dry	MADEP	12/24/2004	RJP
C19-C36 Aliphatics	<10	10	mg/kg dry	MADEP	12/24/2004	RJP
C11-C22 Aromatics	<10	10	mg/kg dry	MADEP	12/24/2004	RJP
Total EPH	<30		mg/kg dry	MADEP	12/24/2004	RJP
<b>TARGET PAH ANALYTES</b>						
Naphthalene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
2-Methylnaphthalene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Acenaphthylene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Acenaphthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Fluorene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Phenanthrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(a)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Chrysene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(b)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(k)fluoranthene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(a)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Indeno(1,2,3-cd)pyrene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Dibenzo(a,h)anthracene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
Benzo(g,h,i)perylene	<0.4	0.4	mg/kg dry	MADEP	12/24/2004	RJP
MOISTURE	8		%	SM2540 G.	12/22/2004	JG
SURROGATES			RANGE		12/24/2004	RJP

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by:   
 Data Reporting

Sample # 008

SAMPLE DESCRIPTION: CB-4 (9-11')

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/14/2004 @ 10:45

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chloro-octadecane	57		40-140%	MADEP	12/24/2004	RJP
Ortho-terphenyl	59		40-140%	MADEP	12/24/2004	RJP
FRACTIONATION SURROGATES			RANGE		12/24/2004	RJP
2-Fluorobiphenyl	87		40-140%	MADEP	12/24/2004	RJP
2-Bromonaphthalene	90		40-140%	MADEP	12/24/2004	RJP
Extraction date	Extracted			MADEP	12/22/2004	GM
TOTAL METALS						
LEAD	2.4	2.1	mg/kg dry	SW-846 6010	12/26/2004	KSL

All QA/QC procedures required by the VPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

R.I. Analytical Laboratories, Inc.  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by: \_\_\_\_\_

Data Reporting

Sample # 009

SAMPLE DESCRIPTION: TRIP BLANK

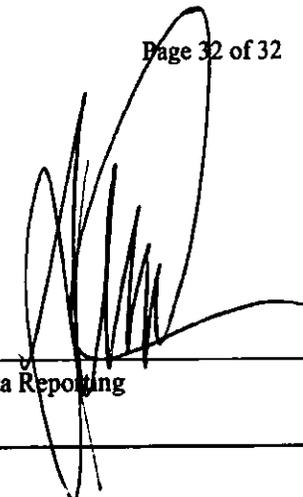
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Unadjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
Methyl-tert-butylether	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Benzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Toluene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Ethylbenzene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
m,p-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
o-Xylene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Naphthalene	<0.3	0.3	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C5-C8 Aliphatics(FID)	<3.0	3.0	mg/kg dry	MADEP	12/23/2004	RGM
Adjusted C9-C12 Aliphatics(FID)	<1.0	1.0	mg/kg dry	MADEP	12/23/2004	RGM
C9-C10 Aromatics(PID)	<2.0	2.0	mg/kg dry	MADEP	12/23/2004	RGM
MOISTURE	10		%	SM2540 G.	12/23/2004	JB
SURROGATE			RANGE		12/23/2004	RGM
2,5-Dibromotoluene(PID)	75		70-130%	MADEP	12/23/2004	RGM
2,5-Dibromotoluene(FID)	77		70-130%	MADEP	12/23/2004	RGM
<b>Volatile Organic Compounds</b>						
Benzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Bromobenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Bromochloromethane	<0.4	0.4	mg/kg	5035/8260B	12/23/2004	BAS
Bromodichloromethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Bromoform	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Bromomethane	<1.0	1.0	mg/kg	5035/8260B	12/23/2004	BAS
n-Butylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
sec-Butylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
tert-Butylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Carbon Tetrachloride	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Chlorobenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Chloroethane	<0.5	0.5	mg/kg	5035/8260B	12/23/2004	BAS
Chloroform	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Chloromethane	<0.5	0.5	mg/kg	5035/8260B	12/23/2004	BAS
2-Chlorotoluene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
4-Chlorotoluene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Dibromochloromethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2-Dibromo-3-Chloropropane	<0.4	0.4	mg/kg	5035/8260B	12/23/2004	BAS
1,2-Dibromoethane(EDB)	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Dibromomethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2-Dichlorobenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,3-Dichlorobenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,4-Dichlorobenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Dichlorodifluoromethane	<0.5	0.5	mg/kg	5035/8260B	12/23/2004	BAS

R.I. Analytical Laboratories, Inc.  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date Received: 12/17/2004  
 Work Order #: 0412-19322

Approved by:   
 Data Reporting

Sample # 009

SAMPLE DESCRIPTION: TRIP BLANK

SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 12/15/2004

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,1-Dichloroethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,1-Dichloroethene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
cis-1,2-Dichloroethene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
trans-1,2-Dichloroethene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2-Dichloropropane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,3-Dichloropropane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
2,2-Dichloropropane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,1-Dichloropropene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Ethylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Hexachlorobutadiene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Isopropylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
p-Isopropyltoluene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Methylene Chloride	<0.5	0.5	mg/kg	5035/8260B	12/23/2004	BAS
Naphthalene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
n-Propylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Styrene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,1,1,2-Tetrachloroethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,1,2,2-Tetrachloroethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Tetrachloroethene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Toluene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2,3-Trichlorobenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2,4-Trichlorobenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,1,1-Trichloroethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,1,2-Trichloroethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Trichloroethene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Trichlorofluoromethane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2,3-Trichloropropane	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,2,4-Trimethylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
1,3,5-Trimethylbenzene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
Vinyl Chloride	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
o-Xylene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
m&p-Xylene	<0.2	0.2	mg/kg	5035/8260B	12/23/2004	BAS
MTBE	<0.4	0.4	mg/kg	5035/8260B	12/23/2004	BAS
MOISTURE	10		%	SM2540 G.	12/23/2004	JB
SURROGATES			RANGE	5035/8260B	12/23/2004	BAS
Dibromofluoromethane	97		80-120%	5035/8260B	12/23/2004	BAS
Toluene-d8	107		81-117%	5035/8260B	12/23/2004	BAS
4-Bromofluorobenzene	101		74-121%	5035/8260B	12/23/2004	BAS
1,2-Dichloroethane-d4	101		80-120%	5035/8260B	12/23/2004	BAS

All QA/QC procedures required by the VPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC  
 procedures were achieved or otherwise stated.  
 No significant modifications were made to the VPH Method.

# CHAIN OF CUSTODY RECORD

R.I. Analytical Laboratories, Inc.  
 41 Illinois Avenue  
 131 Coolidge St, Bldg. 2  
 Warwick, RI 02888  
 Tel: 800-937-2580  
 Fax: 401-738-1970

Date Collected	Time Collected	Field Sample Identification	Grab or Composite	# of Containers & Type <sup>1</sup>	Preservation Code <sup>2</sup>	Matrix Code <sup>3</sup>	EPH w/ ORN PVA X F	VOC Barb	PCB	RCRAB METALS	TOTAL LEAD	SVOC
12/15/04	10:15	CB-1 (S-71)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	09:15	CB-1 (S-71)	G	2 V M	M	S	X	X	X	X	X	X
12/15/04	09:15	CB-1 (13-151)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	09:15	CB-1 (13-151)	G	1 V M	M	S	X	X	X	X	X	X
12/15/04	13:00	CB-2 (S-71)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	13:00	CB-2 (S-71)	G	2 V M	M	S	X	X	X	X	X	X
12/15/04	13:00	CB-2 (S-71)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	13:00	CB-2 (S-71)	G	2 V M	M	S	X	X	X	X	X	X
12/15/04	13:00	CB-3 (S-71)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	13:00	CB-3 (S-71)	G	2 V M	M	S	X	X	X	X	X	X
12/15/04	13:00	CB-3 (S-71)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	13:00	CB-3 (S-71)	G	2 V M	M	S	X	X	X	X	X	X
12/15/04	13:00	CB-4 (S-71)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	10:45	CB-4 (S-71)	G	2 V M	M	S	X	X	X	X	X	X
12/15/04	10:45	CB-4 (S-71)	G	1 IAG NP	NP	S	X	X	X	X	X	X
12/15/04	10:45	CB-4 (S-71)	G	2 V M	M	S	X	X	X	X	X	X

**Client Information**  
 Company Name: CLAYTON GROUP SERVICES  
 Address: 245 TUMBLE RD  
 City / State / Zip: SOUTH BRIDGE MA 01772  
 Telephone: 508 485 3338 Fax: 508 485 1221  
 Contact Person: SIOBHAN COSTELLO

**Project Information**  
 Project Name: NEW BEDFORD 29 Brock St  
 Project Number: 41-04087.00  
 Report To: SIOBHAN COSTELLO Phone: 508 485 3338 Fax: 508 485 1221  
 Sampled by: SIOBHAN COSTELLO  
 Quote No.: SIOBHAN COSTELLO

Relinquished By	Date	Time	Received By	Date	Time
Michael Galvin	12-17-04	9:45	Michael Galvin	12-18	9:40
Paul's dau	12-17	1730	EASTERN CONNECTION	12-17	1730
EASTERN CONNECTION	12-17	1915	Michael Galvin	12-17	1915

**Project Comments**  
 Circle if applicable: GW-1, GW-2, GW-3, S-1, S-2, S-3 MCP Data Enhancement QC Package? Yes  No

**Lab Use Only**  
 Sample Pick Up Only  
 RIAL sampled; attach field hours  
 Shipped on ice  
 Workorder No: 012-10002

**Turn Around Time**  
 Normal  EMAIL Report  
 5 Business days. Possible surcharge.  
 Rush (business days)

Preservation Codes: NP=None, N=HNO<sub>3</sub>, H=HCl, S=H<sub>2</sub>SO<sub>4</sub>, SH=NaOH, SB=NaHSO<sub>4</sub>, M=MeOH, T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, Z=ZnOAc, I=Ice  
 Container Types: P=Poly, G=Glass, AG=Amber Glass, V=Vial, St=Sterile  
 Matrix Codes: GW=Groundwater, SW=Surface Water, WW=Wastewater, DW=Drinking Water, S=Soil, Sl=Sludge, A=Air, B=Bulk/Solid, O=

# CHAIN OF CUSTODY RECORD

R.I. Analytical Laboratories, Inc.  
 41 Illinois Avenue  
 131 Coolidge St, Bldg. 2  
 Warwick, RI 02888  
 Hudson, MA 01749  
 Tel: 800-937-2580  
 Tel: 888-228-3334  
 Fax: 401-738-1970  
 Fax: 978-568-0078

Date Collected	Time Collected	Field Sample Identification	Grab or Composite	# of Containers & Type <sup>1</sup>	Preservation Code <sup>2</sup>	Matrix Code <sup>3</sup>	EOH w/ PPM P&M <sup>4</sup>	VOC BALD	PCB	RECAR Metals	TOTAL Lead	SVOC
12/14/04	10:45	CB-4 (9-11)	G	3 MAGN S	X	S	X	VOH				
12/14/04	10:45	CB-4 (9-11)	G	3 IV MAS		S						
		TIP Blank		2V								

<b>Client Information</b>		<b>Project Information</b>	
Company Name:	CLAYTON GRAB SERVICES	Project Name:	NEW BEDFORD BR BRACK ST
Address:	SAME AS REG	P.O. Number:	41-04087.00
City / State / Zip:	508 485 3338	Report To:	SIOBHAN COSTELLO
Telephone:	508 485 3338	Sampled by:	SIOBHAN COSTELLO
Contact Person:	SIOBHAN COSTELLO	Quote No.:	
		Email address:	

Relinquished By	Date	Time	Received By	Date	Time
Richard Jolin	12-17-04	9:45	MULA	12-18	9:40
Paul A. Jolin	12-17	12:30	EASTERN CONNECTION	12-17	17:30
	12/14/04	1915	KUNITED	12/17/04	1915

Circle if applicable: GW-1, GW-2, GW-3, S-1, S-2, S-3 **MCP Data Enhancement QC Package?** Yes  No

**Project Comments**

n/a

Under sample bottle - 14

Lab Use Only

Sample Pick Up Only

RIAL sampled; attach field hours

Shipped on ice

Workorder No 0412.19332



# R.I. Analytical

Specialists in Environmental Services

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
Attn: Siobhan Costello  
245 Turnpike Road  
Southborough, MA 01772

Date Received: 04/08/2005  
Date Reported: 04/19/2005  
P.O. #:  
Work Order #: 0504-05483

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**DESCRIPTION:** PROJECT# 41-04087.00 29 BROOK STREET - NEW BEDFORD, MA

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Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies and all NELAC requirements were met. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015  
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

Data Reporting

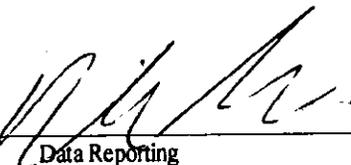
enc: Chain of Custody



## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample# 001  
 SAMPLE DESCRIPTION: CMW-1  
 SAMPLE TYPE: GRAB

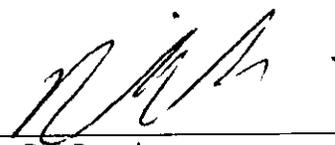
SAMPLE DATE/TIME: 04/06/2005 @ 16:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Unadjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Methyl-tert-butylether	<5	5	ug/l	MADEP	04/13/2005	RGM
Benzene	<5	5	ug/l	MADEP	04/13/2005	RGM
Toluene	<5	5	ug/l	MADEP	04/13/2005	RGM
Ethylbenzene	<5	5	ug/l	MADEP	04/13/2005	RGM
m,p-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
o-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
Naphthalene	<5	5	ug/l	MADEP	04/13/2005	RGM
Adjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Adjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
C9-C10 Aromatics(PID)	<10	10	ug/l	MADEP	04/13/2005	RGM
<b>SURROGATE</b>			<b>RANGE</b>		04/13/2005	RGM
2,5-Dibromotoluene(PID)	106		70-130%	MADEP	04/13/2005	RGM
2,5-Dibromotoluene(FID)	89		70-130%	MADEP	04/13/2005	RGM
<b>EPH</b>						
C9-C18 Aliphatics	<20	20	ug/l	MADEP	04/16/2005	RJP
C19-C36 Aliphatics	<20	20	ug/l	MADEP	04/16/2005	RJP
C11-C22 Aromatics	160	20	ug/l	MADEP	04/16/2005	RJP
Total EPH	160	60	ug/l	MADEP	04/16/2005	RJP
<b>SURROGATES</b>			<b>RANGE</b>		04/16/2005	RJP
Chloro-octadecane	67		40-140%	MADEP	04/16/2005	RJP
Ortho-terphenyl	68		40-140%	MADEP	04/16/2005	RJP
<b>FRACTIONATION SURROGATES</b>			<b>RANGE</b>		04/16/2005	RJP
2-Fluorobiphenyl	73		40-140%	MADEP	04/16/2005	RJP
2-Bromonaphthalene	66		40-140%	MADEP	04/16/2005	RJP
Extraction date	Extracted			MADEP	04/14/2005	JB
<b>TARGET PAH ANALYTES</b>						
Naphthalene	<1	1	ug/l	MADEP	04/18/2005	DMM
2-Methylnaphthalene	<1	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Fluorene	<1	1	ug/l	MADEP	04/18/2005	DMM
Phenanthrene	<1	1	ug/l	MADEP	04/18/2005	DMM
Anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM
Fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Pyrene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by: 

Data Reporting

Sample# 001  
 SAMPLE DESCRIPTION: CMW-1  
 SAMPLE TYPE: GRAB

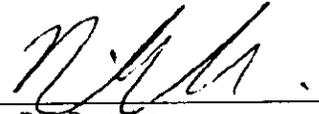
SAMPLE DATE/TIME: 04/06/2005 @ 16:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chrysene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(b)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(k)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)pyrene	<0.2	0.2	ug/l	MADEP	04/18/2005	DMM
Indeno(1,2,3-cd)pyrene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Dibenzo(a,h)anthracene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Benzo(g,h,i)perylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Volatile Organic Compounds						
Benzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromodichloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromoform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
n-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
sec-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
tert-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Carbon Tetrachloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloroethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Chloroform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
2-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
4-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromo-3-Chloropropane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromoethane(EDB)	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,4-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dichlorodifluoromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
cis-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
trans-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
2,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloropropene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by: 

Data Reporting

Sample # 001  
 SAMPLE DESCRIPTION: CMW-1  
 SAMPLE TYPE: GRAB

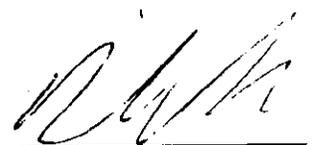
SAMPLE DATE/TIME: 04/06/2005 @ 16:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,3-Dichloropropene	<0.5	0.5	ug/l	SW-846 8260B	04/14/2005	ST
Ethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Hexachlorobutadiene	<0.6	0.6	ug/l	SW-846 8260B	04/14/2005	ST
Isopropylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
p-Isopropyltoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Methylene Chloride	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Naphthalene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
n-Propylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Styrene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,2,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Tetrachloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Toluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,2-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichlorofluoromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3,5-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Vinyl Chloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
o-Xylene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
m&p-Xylene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
MTBE	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
SURROGATES			RANGE	SW-846 8260B	04/14/2005	ST
Dibromofluoromethane	103		86-118%	SW-846 8260B	04/14/2005	ST
Toluene-d8	105		88-110%	SW-846 8260B	04/14/2005	ST
4-Bromofluorobenzene	102		86-115%	SW-846 8260B	04/14/2005	ST
1,2 Dichloroethane-d4	98		80-120%	SW-846 8260B	04/14/2005	ST
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Acenaphthylene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Anthracene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Benzidine	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Benzo(a)anthracene	<1	1	ug/l	SW-846 8270C	04/17/2005	DMM
Benzo(b)fluoranthene	<1	1	ug/l	SW-846 8270C	04/17/2005	DMM
Benzo(k)fluoranthene	<1	1	ug/l	SW-846 8270C	04/17/2005	DMM
Benzo(g,h,i)perylene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Benzo(a)pyrene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample # 001  
 SAMPLE DESCRIPTION: CMW-1  
 SAMPLE TYPE: GRAB

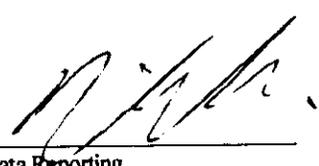
SAMPLE DATE/TIME: 04/06/2005 @ 16:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Bis(2-chloroethyl)ether	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Bis(2-Chloroethoxy)methane	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
bis(2-chloroisopropyl)ether	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Bis(2-ethylhexyl)phthalate	<5	5	ug/l	SW-846 8270C	04/17/2005	DMM
4-Bromophenyl phenyl ether	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Butylbenzyl phthalate	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2-Chloronaphthalene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
4-Chlorophenyl phenyl ether	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Chrysene	<2	2	ug/l	SW-846 8270C	04/17/2005	DMM
Dibenzo(a,h)anthracene	<0.5	0.5	ug/l	SW-846 8270C	04/17/2005	DMM
Di-n-butyl phthalate	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
1,2-Dichlorobenzene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
1,3-Dichlorobenzene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
1,4-Dichlorobenzene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
3,3'-Dichlorobenzidine	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Diethyl phthalate	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Dimethyl phthalate	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2,4-Dinitrotoluene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2,6-Dinitrotoluene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Di-n-octyl phthalate	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
1,2-Diphenylhydrazine	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Fluoranthene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Fluorene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Hexachlorobenzene	<1	1	ug/l	SW-846 8270C	04/17/2005	DMM
Hexachlorobutadiene	<0.6	0.6	ug/l	SW-846 8270C	04/17/2005	DMM
Hexachlorocyclopentadiene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Hexachloroethane	<5	5	ug/l	SW-846 8270C	04/17/2005	DMM
Indeno(1,2,3-cd)pyrene	<0.5	0.5	ug/l	SW-846 8270C	04/17/2005	DMM
Isophorone	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Naphthalene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Nitrobenzene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
N-nitrosodimethylamine	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
N-nitrosodiphenylamine	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
N-nitrosodi-n-propylamine	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Phenanthrene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Pyrene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
1,2,4-Trichlorobenzene	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
4-Chloro-3-methylphenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2-Chlorophenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2,4-Dichlorophenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2,4-Dimethylphenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2-Methyl-4,6-dinitrophenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample# 001  
 SAMPLE DESCRIPTION: CMW-1  
 SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 04/06/2005 @ 16:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
2,4-Dinitrophenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2-Nitrophenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
4-Nitrophenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
Pentachlorophenol	<1	1	ug/l	SW-846 8270C	04/17/2005	DMM
Phenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
2,4,6-Trichlorophenol	<10	10	ug/l	SW-846 8270C	04/17/2005	DMM
SURROGATES			RANGE	SW-846 8270C	04/17/2005	DMM
Phenol-d5	9*		10-94%	SW-846 8270C	04/17/2005	DMM
2-Fluorophenol	9*		21-100%	SW-846 8270C	04/17/2005	DMM
2,4,6-Tribromophenol	30		10-123%	SW-846 8270C	04/17/2005	DMM
Nitrobenzene-d5	24*		35-114%	SW-846 8270C	04/17/2005	DMM
2-Fluorobiphenyl	27*		43-116%	SW-846 8270C	04/17/2005	DMM
P-Terphenyl-d14	45		33-141%	SW-846 8270C	04/17/2005	DMM
DISSOLVED METALS						
ARSENIC	<0.005	0.005	mg/l	EPA 200.9	04/15/2005	REA
BARIUM	0.064	0.005	mg/l	EPA 200.7	04/14/2005	JNB
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	04/14/2005	JNB
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	04/14/2005	JNB
LEAD	0.029	0.002	mg/l	EPA 200.9	04/13/2005	CD
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	04/13/2005	NR
SELENIUM	<0.005	0.005	mg/l	EPA 200.9	04/15/2005	REA
SILVER	<0.02	0.02	mg/l	EPA 200.7	04/14/2005	JNB

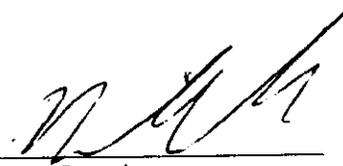
All QA/QC procedures required by the VPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
 All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.  
 No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

Method 8270C: \*Surrogate recovery below acceptable QA/QC limits-however there is no more sample available for re-extraction.

R.I. Analytical Laboratories, Inc.  
**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample # 002  
 SAMPLE DESCRIPTION: CMW-2  
 SAMPLE TYPE: GRAB

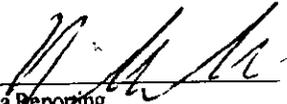
SAMPLE DATE/TIME: 04/06/2005 @ 16:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
VPH						
Unadjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Unadjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Methyl-tert-butylether	<5	5	ug/l	MADEP	04/13/2005	RGM
Benzene	<5	5	ug/l	MADEP	04/13/2005	RGM
Toluene	<5	5	ug/l	MADEP	04/13/2005	RGM
Ethylbenzene	<5	5	ug/l	MADEP	04/13/2005	RGM
m,p-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
o-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
Naphthalene	<5	5	ug/l	MADEP	04/13/2005	RGM
Adjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Adjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
C9-C10 Aromatics(PID)	<10	10	ug/l	MADEP	04/13/2005	RGM
SURROGATE			RANGE		04/13/2005	RGM
2,5-Dibromotoluene(PID)	101		70-130%	MADEP	04/13/2005	RGM
2,5-Dibromotoluene(FID)	85		70-130%	MADEP	04/13/2005	RGM
EPH						
C9-C18 Aliphatics	<20	20	ug/l	MADEP	04/16/2005	RJP
C19-C36 Aliphatics	<20	20	ug/l	MADEP	04/16/2005	RJP
C11-C22 Aromatics	25	20	ug/l	MADEP	04/16/2005	RJP
Total EPH	<60	60	ug/l	MADEP	04/16/2005	RJP
SURROGATES			RANGE		04/16/2005	RJP
Chloro-octadecane	44		40-140%	MADEP	04/16/2005	RJP
Ortho-terphenyl	64		40-140%	MADEP	04/16/2005	RJP
FRACTIONATION SURROGATES			RANGE		04/16/2005	RJP
2-Fluorobiphenyl	68		40-140%	MADEP	04/16/2005	RJP
2-Bromonaphthalene	62		40-140%	MADEP	04/16/2005	RJP
Extraction date	Extracted			MADEP	04/14/2005	JB
TARGET PAH ANALYTES						
Naphthalene	3	1	ug/l	MADEP	04/18/2005	DMM
2-Methylnaphthalene	<1	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthene	3	1	ug/l	MADEP	04/18/2005	DMM
Fluorene	2	1	ug/l	MADEP	04/18/2005	DMM
Phenanthrene	5	1	ug/l	MADEP	04/18/2005	DMM
Anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM
Fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Pyrene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by: 

Data Reporting

Sample # 002  
 SAMPLE DESCRIPTION: CMW-2  
 SAMPLE TYPE: GRAB

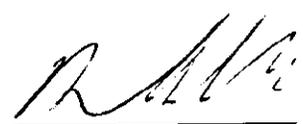
SAMPLE DATE/TIME: 04/06/2005 @ 16:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chrysene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(b)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(k)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)pyrene	<0.2	0.2	ug/l	MADEP	04/18/2005	DMM
Indeno(1,2,3-cd)pyrene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Dibenzo(a,h)anthracene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Benzo(g,h,i)perylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Volatile Organic Compounds						
Benzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromodichloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromoform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
n-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
sec-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
tert-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Carbon Tetrachloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloroethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Chloroform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
2-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
4-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromo-3-Chloropropane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromoethane(EDB)	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,4-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dichlorodifluoromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
cis-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
trans-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
2,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloropropene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample # 002  
 SAMPLE DESCRIPTION: CMW-2  
 SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 04/06/2005 @ 16:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,3-Dichloropropene	<0.5	0.5	ug/l	SW-846 8260B	04/14/2005	ST
Ethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Hexachlorobutadiene	<0.6	0.6	ug/l	SW-846 8260B	04/14/2005	ST
Isopropylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
p-Isopropyltoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Methylene Chloride	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Naphthalene	2	1	ug/l	SW-846 8260B	04/14/2005	ST
n-Propylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Styrene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,2,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Tetrachloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Toluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,2-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichlorofluoromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3,5-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Vinyl Chloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
o-Xylene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
m&p-Xylene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
MTBE	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
SURROGATES			RANGE	SW-846 8260B	04/14/2005	ST
Dibromofluoromethane	107		86-118%	SW-846 8260B	04/14/2005	ST
Toluene-d8	105		88-110%	SW-846 8260B	04/14/2005	ST
4-Bromofluorobenzene	104		86-115%	SW-846 8260B	04/14/2005	ST
1,2 Dichloroethane-d4	102		80-120%	SW-846 8260B	04/14/2005	ST

**R.I. Analytical Laboratories, Inc.**

**CERTIFICATE OF ANALYSIS**

Clayton Group Services

Date 04/08/2005

Work Order #: 0504-05483

Approved by: \_\_\_\_\_



Data Reporting

All QA/QC procedures required by the VPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC  
procedures were achieved or otherwise stated.  
No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed.  
All Performance/Acceptance Standards for the required QA/QC  
procedures were achieved or otherwise stated.  
No significant modifications were made to the EPH Method with the  
following exception: C-range values may have been blank subtracted  
to minimize the effect of leachable plasticizers from the SPE  
cartridges.

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample# 003  
 SAMPLE DESCRIPTION: CMW-3  
 SAMPLE TYPE: GRAB

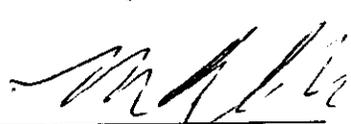
SAMPLE DATE/TIME: 04/06/2005 @ 14:55

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
<b>VPH</b>						
Unadjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Unadjusted C9-C12 Aliphatics(FID)	54	10	ug/l	MADEP	04/13/2005	RGM
Methyl-tert-butylether	<5	5	ug/l	MADEP	04/13/2005	RGM
Benzene	<5	5	ug/l	MADEP	04/13/2005	RGM
Toluene	<5	5	ug/l	MADEP	04/13/2005	RGM
Ethylbenzene	<5	5	ug/l	MADEP	04/13/2005	RGM
m,p-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
o-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
Naphthalene	42	5	ug/l	MADEP	04/13/2005	RGM
Adjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Adjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
C9-C10 Aromatics(PID)	50	10	ug/l	MADEP	04/13/2005	RGM
<b>SURROGATE</b>			RANGE		04/13/2005	RGM
2,5-Dibromotoluene(PID)	110		70-130%	MADEP	04/13/2005	RGM
2,5-Dibromotoluene(FID)	91		70-130%	MADEP	04/13/2005	RGM
<b>EPH</b>						
C9-C18 Aliphatics	28	20	ug/l	MADEP	04/16/2005	RJP
C19-C36 Aliphatics	<20	20	ug/l	MADEP	04/16/2005	RJP
C11-C22 Aromatics	94	20	ug/l	MADEP	04/16/2005	RJP
Total EPH	122	60	ug/l	MADEP	04/16/2005	RJP
<b>SURROGATES</b>			RANGE		04/16/2005	RJP
Chloro-octadecane	64		40-140%	MADEP	04/16/2005	RJP
Ortho-terphenyl	64		40-140%	MADEP	04/16/2005	RJP
<b>FRACTIONATION SURROGATES</b>			RANGE		04/16/2005	RJP
2-Fluorobiphenyl	73		40-140%	MADEP	04/16/2005	RJP
2-Bromonaphthalene	66		40-140%	MADEP	04/16/2005	RJP
Extraction date	Extracted			MADEP	04/14/2005	JB
<b>TARGET PAH ANALYTES</b>						
Naphthalene	27	1	ug/l	MADEP	04/18/2005	DMM
2-Methylnaphthalene	3	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthene	3	1	ug/l	MADEP	04/18/2005	DMM
Fluorene	3	1	ug/l	MADEP	04/18/2005	DMM
Phenanthrene	5	1	ug/l	MADEP	04/18/2005	DMM
Anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM
Fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Pyrene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample# 003  
 SAMPLE DESCRIPTION: CMW-3  
 SAMPLE TYPE: GRAB

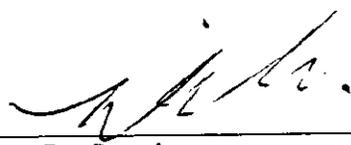
SAMPLE DATE/TIME: 04/06/2005 @ 14:55

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chrysene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(b)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(k)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)pyrene	<0.2	0.2	ug/l	MADEP	04/18/2005	DMM
Indeno(1,2,3-cd)pyrene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Dibenzo(a,h)anthracene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Benzo(g,h,i)perylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Volatile Organic Compounds						
Benzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromodichloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromoform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
n-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
sec-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
tert-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Carbon Tetrachloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloroethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Chloroform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
2-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
4-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromo-3-Chloropropane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromoethane(EDB)	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,4-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dichlorodifluoromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
cis-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
trans-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
2,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloropropene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample# 003  
 SAMPLE DESCRIPTION: CMW-3  
 SAMPLE TYPE: GRAB

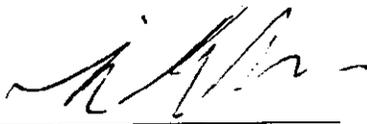
SAMPLE DATE/TIME: 04/06/2005 @ 14:55

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
1,3-Dichloropropene	<0.5	0.5	ug/l	SW-846 8260B	04/14/2005	ST
Ethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Hexachlorobutadiene	<0.6	0.6	ug/l	SW-846 8260B	04/14/2005	ST
Isopropylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
p-Isopropyltoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Methylene Chloride	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Naphthalene	43	1	ug/l	SW-846 8260B	04/14/2005	ST
n-Propylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Styrene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,2,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Tetrachloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Toluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,2-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichlorofluoromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3,5-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Vinyl Chloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
o-Xylene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
m&p-Xylene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
MTBE	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
SURROGATES			RANGE	SW-846 8260B	04/14/2005	ST
Dibromofluoromethane	107		86-118%	SW-846 8260B	04/14/2005	ST
Toluene-d8	107		88-110%	SW-846 8260B	04/14/2005	ST
4-Bromofluorobenzene	102		86-115%	SW-846 8260B	04/14/2005	ST
1,2 Dichloroethane-d4	103		80-120%	SW-846 8260B	04/14/2005	ST
DISSOLVED METALS						
ARSENIC	<0.005	0.005	mg/l	EPA 200.9	04/15/2005	REA
BARIUM	0.011	0.005	mg/l	EPA 200.7	04/14/2005	JNB
CADMIUM	<0.005	0.005	mg/l	EPA 200.7	04/14/2005	JNB
CHROMIUM	<0.03	0.03	mg/l	EPA 200.7	04/14/2005	JNB
LEAD	0.006	0.002	mg/l	EPA 200.9	04/13/2005	CD
MERCURY	<0.0005	0.0005	mg/l	EPA 245.1	04/13/2005	NR
SELENIUM	<0.005	0.005	mg/l	EPA 200.9	04/15/2005	REA
SILVER	<0.02	0.02	mg/l	EPA 200.7	04/14/2005	JNB

R.I. Analytical Laboratories, Inc.

**CERTIFICATE OF ANALYSIS**

Clayton Group Services  
Date 04/08/2005  
Work Order #: 0504-05483

Approved by:   
Data Reporting

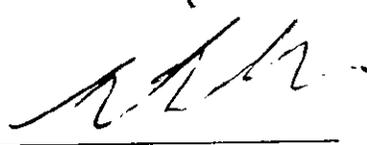
All QA/QC procedures required by the VPH Method were followed. All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated. No significant modifications were made to the VPH Method.

All QA/QC procedures required by the EPH Method were followed. All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated. No significant modifications were made to the EPH Method with the following exception: C-range values may have been blank subtracted to minimize the effect of leachable plasticizers from the SPE cartridges.

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample # 004  
 SAMPLE DESCRIPTION: CMW-4  
 SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 04/06/2005 @ 13:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
VPH						
Unadjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Unadjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Methyl-tert-butylether	<5	5	ug/l	MADEP	04/13/2005	RGM
Benzene	<5	5	ug/l	MADEP	04/13/2005	RGM
Toluene	<5	5	ug/l	MADEP	04/13/2005	RGM
Ethylbenzene	<5	5	ug/l	MADEP	04/13/2005	RGM
m,p-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
o-Xylene	<5	5	ug/l	MADEP	04/13/2005	RGM
Naphthalene	<5	5	ug/l	MADEP	04/13/2005	RGM
Adjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
Adjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/13/2005	RGM
C9-C10 Aromatics(PID)	14	10	ug/l	MADEP	04/13/2005	RGM
SURROGATE			RANGE		04/13/2005	RGM
2,5-Dibromotoluene(PID)	101		70-130%	MADEP	04/13/2005	RGM
2,5-Dibromotoluene(FID)	85		70-130%	MADEP	04/13/2005	RGM
EPH						
C9-C18 Aliphatics	<20	20	ug/l	MADEP	04/16/2005	RJP
C19-C36 Aliphatics	<20	20	ug/l	MADEP	04/16/2005	RJP
C11-C22 Aromatics	<20	20	ug/l	MADEP	04/16/2005	RJP
Total EPH	<60	60	ug/l	MADEP	04/16/2005	RJP
SURROGATES			RANGE		04/16/2005	RJP
Chloro-octadecane	61		40-140%	MADEP	04/16/2005	RJP
Ortho-terphenyl	57		40-140%	MADEP	04/16/2005	RJP
FRACTIONATION SURROGATES			RANGE		04/16/2005	RJP
2-Fluorobiphenyl	70		40-140%	MADEP	04/16/2005	RJP
2-Bromonaphthalene	64		40-140%	MADEP	04/16/2005	RJP
Extraction date	Extracted			MADEP	04/14/2005	JB
TARGET PAH ANALYTES						
Naphthalene	<1	1	ug/l	MADEP	04/18/2005	DMM
2-Methylnaphthalene	<1	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Acenaphthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Fluorene	<1	1	ug/l	MADEP	04/18/2005	DMM
Phenanthrene	<1	1	ug/l	MADEP	04/18/2005	DMM
Anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM
Fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Pyrene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)anthracene	<1	1	ug/l	MADEP	04/18/2005	DMM

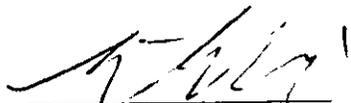
## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services

Date 04/08/2005

Work Order #: 0504-05483

Approved by: 

Data Reporting

Sample # 004  
 SAMPLE DESCRIPTION: CMW-4  
 SAMPLE TYPE: GRAB

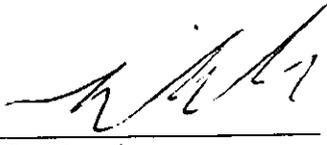
SAMPLE DATE/TIME: 04/06/2005 @ 13:10

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Chrysene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(b)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(k)fluoranthene	<1	1	ug/l	MADEP	04/18/2005	DMM
Benzo(a)pyrene	<0.2	0.2	ug/l	MADEP	04/18/2005	DMM
Indeno(1,2,3-cd)pyrene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Dibenzo(a,h)anthracene	<0.5	0.5	ug/l	MADEP	04/18/2005	DMM
Benzo(g,h,i)perylene	<1	1	ug/l	MADEP	04/18/2005	DMM
Volatile Organic Compounds						
Benzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromodichloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromoform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
n-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
sec-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
tert-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Carbon Tetrachloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloroethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Chloroform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
2-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
4-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromo-3-Chloropropane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromoethane(EDB)	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,4-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dichlorodifluoromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
cis-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
trans-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
2,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloropropene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

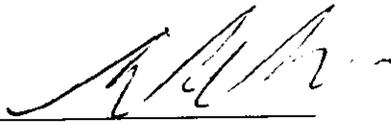
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 SAMPLE DESCRIPTION: TRIP BLANK  
 SAMPLE TYPE: GRAB  
 SAMPLE DATE/TIME: 04/06/2005 @ 16:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
VPH						
Unadjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/14/2005	RGM
Unadjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/14/2005	RGM
Methyl-tert-butylether	<5	5	ug/l	MADEP	04/14/2005	RGM
Benzene	<5	5	ug/l	MADEP	04/14/2005	RGM
Toluene	<5	5	ug/l	MADEP	04/14/2005	RGM
Ethylbenzene	<5	5	ug/l	MADEP	04/14/2005	RGM
m,p-Xylene	<5	5	ug/l	MADEP	04/14/2005	RGM
o-Xylene	<5	5	ug/l	MADEP	04/14/2005	RGM
Naphthalene	<5	5	ug/l	MADEP	04/14/2005	RGM
Adjusted C5-C8 Aliphatics(FID)	<10	10	ug/l	MADEP	04/14/2005	RGM
Adjusted C9-C12 Aliphatics(FID)	<10	10	ug/l	MADEP	04/14/2005	RGM
C9-C10 Aromatics(PID)	<10	10	ug/l	MADEP	04/14/2005	RGM
SURROGATE			RANGE		04/14/2005	RGM
2,5-Dibromotoluene(PID)	100		70-130%	MADEP	04/14/2005	RGM
2,5-Dibromotoluene(FID)	88		70-130%	MADEP	04/14/2005	RGM
Volatile Organic Compounds						
Benzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromodichloromethane	8	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromoform	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Bromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
n-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
sec-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
tert-Butylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Carbon Tetrachloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloroethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Chloroform	51	1	ug/l	SW-846 8260B	04/14/2005	ST
Chloromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
2-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
4-Chlorotoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromochloromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromo-3-Chloropropane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dibromoethane(EDB)	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Dibromomethane	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,4-Dichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST

## R.I. Analytical Laboratories, Inc.

## CERTIFICATE OF ANALYSIS

Clayton Group Services  
 Date 04/08/2005  
 Work Order #: 0504-05483

Approved by:   
 Data Reporting

Sample # 005  
 SAMPLE DESCRIPTION: TRIP BLANK  
 SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 04/06/2005 @ 16:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Dichlorodifluoromethane	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
cis-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
trans-1,2-Dichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
2,2-Dichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1-Dichloropropene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3-Dichloropropene	<0.5	0.5	ug/l	SW-846 8260B	04/14/2005	ST
Ethylbenzene	2	1	ug/l	SW-846 8260B	04/14/2005	ST
Hexachlorobutadiene	<0.6	0.6	ug/l	SW-846 8260B	04/14/2005	ST
Isopropylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
p-Isopropyltoluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Methylene Chloride	<5	5	ug/l	SW-846 8260B	04/14/2005	ST
Naphthalene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
n-Propylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Styrene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1,2,2-Tetrachloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Tetrachloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Toluene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trichlorobenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,1-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,1,2-Trichloroethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichloroethene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Trichlorofluoromethane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,3-Trichloropropane	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,2,4-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
1,3,5-Trimethylbenzene	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
Vinyl Chloride	<1	1	ug/l	SW-846 8260B	04/14/2005	ST
o-Xylene	2	1	ug/l	SW-846 8260B	04/14/2005	ST
m&p-Xylene	3	1	ug/l	SW-846 8260B	04/14/2005	ST
MTBE	<2	2	ug/l	SW-846 8260B	04/14/2005	ST
SURROGATES			RANGE	SW-846 8260B	04/14/2005	ST
Dibromofluoromethane	107		86-118%	SW-846 8260B	04/14/2005	ST
Toluene-d8	108		88-110%	SW-846 8260B	04/14/2005	ST
4-Bromofluorobenzene	98		86-115%	SW-846 8260B	04/14/2005	ST
1,2 Dichloroethane-d4	101		80-120%	SW-846 8260B	04/14/2005	ST

# CHAIN OF CUSTODY RECORD

## R.I. Analytical Laboratories, Inc.

41 Illinois Avenue  
 131 Coolidge St, Bldg. 2  
 Warwick, RI 02888  
 Hudson, MA 01749  
 Tel: 800-937-2580  
 Tel: 888-228-3334  
 Fax: 401-738-1970  
 Fax: 978-568-0078

Date Collected	Time Collected	Field Sample Identification	Grab or Composite	# of Containers & Type <sup>1</sup>	Preservation Code <sup>2</sup>	Matrix Code <sup>3</sup>	EDH / TO PPM <sup>4</sup>	VPH w/ Target	VOC 8660	SVC 8630	RCRH & Metals
4/6/05	16:10	CMW-1	←	2G H 2AG NP	H NP	GW	X	X	X	X	X
	16:15	CMW-2	↓	2G H 4V H 1P N	H H N		X	X	X	X	X
	14:55	CMW-3	↓	2G H 4V H 1P N	H H N		X	X	X	X	X
	13:10	CMW-4	↓	2G H 4V H 2V H	H H H		X	X	X	X	X
	16:30	TRIP BLANK	↓								

\* PUA & Ford 4-8-05

Client Information		Project Information	
Company Name:	CLAYTON GROUP SERVICES	Project Name:	2A BROOK ST, NEW BEDFORD MA
Address:	245 TOMPKINS ROAD	P.O. Number:	---
City/State/Zip:	SOUTH BORO MA 01772	Report To:	SIOBHAN COSTELLO
Telephone:	(508) 485-3338	Sampled by:	SIOBHAN COSTELLO
Contact Person:	SIOBHAN COSTELLO	Quote No.:	---
		Email address:	SCOSTELLO@CLAYTONGP.COM

Relinquished By	Date	Time	Received By	Date	Time
<i>[Signature]</i>	4-8	10:00	<i>[Signature]</i>	4-8	10:00
<i>[Signature]</i>	4-8	16:25	EASTERN CONNECTION	4-8	16:25
EASTERN CONNECTION	4/8/05	1930	<i>[Signature]</i>	4/8/05	1930

Project Comments	
Circle if applicable: <input checked="" type="checkbox"/> GW-1, <input type="checkbox"/> GW-2, <input type="checkbox"/> GW-3, S-1, S-2, S-3 MCP Data Enhancement QC Package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Inquire under City of Two Blandford (Contract = Scot Xpert Inc) Copy of report to Clayton Group PUA & Ford 4-8-05	
Note: Bid to City of New Bedford MCP/SC01 PUA & FORD 4-8-05 (P)	

Container Types: P=Poly, G=Glass, AG=Amber Glass, V=Vial, ST=Sterile  
 Matrix Codes: GW=Groundwater, SW=Surface Water, WW=Wastewater, DW=Drinking Water, S=Soil, SI=Sludge, A=Air, B=Bulk/Solid, O=

Preservation Codes: NP=None, N=HNO<sub>3</sub>, H=HCl, S=H<sub>2</sub>SO<sub>4</sub>, SH=NaOH, SB=NaHSO<sub>4</sub>, M=MeOH, T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>, Z=ZnOAc, I=Ice

Turn Around Time  
 Normal  EMAIL Report  
 5 Business days. Possible surcharge.  
 Rush  (business days)

Lab Use Only  
 Sample Pick Up Only  
 RIAL sampled; attach field hours  
 Shipped on ice  
 Workorder No: *[Handwritten]*