Tighe&Bond
Consulting Engineers
Environmental Specialists

W-3839
April 18, 2008

Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection
Southeast Regional Office
20 Riverside Drive
Lakeville, MA 02347

Re: Submittal of a Phase I Initial Site Investigation
and Tier II Classification
Former Polymerine
241 Duchaine Boulevard
New Bedford, Massachusetts
DEP RTN 4-1347

To Whom It May Concern:

On behalf of the City of New Bedford, Department of Environmental Stewardship, Tighe & Bond is submitting a Phase I Initial Site Investigation. The Phase I report is accompanied by a Tier Classification submittal, which has determined that this site is a Tier II Disposal Site. If you have any questions regarding this correspondence or require additional information, please feel free to contact me at (508) 471-9621.

Very truly yours,

TIGHE & BOND, INC.

Marc J. Richards, P.E., LSP
Project Manager/Office Manager

w/ Enclosures

cc: Scott Alfonse – City of New Bedford Department of Environmental Stewardship
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On behalf of The City of New Bedford, Tighe & Bond has completed a Phase I Initial Site Investigation/Environmental Site Assessment (Phase I ISI/ESA), Phase II Scope of Work (SOW) and Tier Classification Report for the Former Polymerine, Inc. facility located at 241 Duchaine Boulevard in New Bedford, Massachusetts (the "Site"), in accordance with the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000 and ASTM E1527-05 standard. A release of polychlorinated biphenyls (PCBs) was reported to the Massachusetts Department of Environmental Protection (DEP), Southeast Regional Office (SERO). The site was listed as a Location To Be Investigated (LTBI) by DEP on September 20, 1993. The site is currently in default and therefore is listed as a Tier 1D disposal site.

A Site Locus Map (Figure 1), a Massachusetts Geographic Information Systems Site Scoring Map (Figure 2), Ortho Photograph (Figure 3), Sampling Plan (Figure 4) and Proposed Interior Sampling Plan (Figure 5) are included in Appendix A.

The purpose of this Phase I Report is to summarize environmental assessment activities completed at the site, provide data for preparing a Tier Classification and evaluate the potential need for MCP Comprehensive Response Actions. Due to the historic release of polychlorinated biphenyls (PCBs), the site is also subject to the Toxic Substance Control Act (TSCA) administered by the Environmental Protection Agency (EPA). In accordance with MCP requirements, a Numerical Ranking System (NRS) Scoresheet and Tier Classification form have been prepared for submission. The DEP transmittal forms (BWSC-107, BWSC-107A, BWSC-107B, and BWSC-108) are included in Appendix B.

1.1 KEY DEFINITIONS AND ACRONYMS

This section summarizes some of the definitions and acronyms used throughout the report. The definitions have been excerpted directly from the ASTM E1527-05 standard.

- Data Gap - a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information.

- Engineering Controls (EC) – Physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or groundwater on the property. Engineering controls are a type of Activity and Use Limitations (AUL).

- Environmental Lien – A charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty

arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property.

- Environmental Professional (EP) – A person meeting the education, training, and experience requirements as set forth in 40 CFR 312.10 (b).

- ESA – The process by which a person or entity seeks to determine if a particular parcel of real property (including improvements) is subject to RECs.

- Historical RECs – an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.

- Institutional Controls (IC) – A legal or administrative restriction on the use of, or access of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of AUL.

- Reasonably Ascertainable - information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

- RECs – 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, ground water, or surface water of the property.

Existing conditions at the site and in the surrounding area were evaluated through a review of previous reports prepared for the site, review of municipal records, file reviews conducted at DEP and the United States Environmental Protection Agency (USEPA), facility reconnaissance, and a review of records and published mapping of the area surrounding the property. The conditions at the time of the investigation are described in the following sections of this report.

Based on previous reports prepared by Paragon Environmental Services of East Walpole, Massachusetts, and Roy F Weston, Inc. Superfund Technical Assessment and Response Team (START) of Wilmington, Massachusetts, PCBs were detected in soil and on various interior surfaces of the site building. Limited soil delineation and remediation activities were conducted at the site between October 1998 and October 2001 in response to a Unilateral Administrative Consent Order (UAO) for Removal issued by the USEPA on June 23, 1998.

2.1 DISPOSAL SITE OWNERSHIP AND LOCATION

The subject site is currently owned by the City of New Bedford and was acquired through tax title. Following acquisition, two tenants existed in the building. Aquapoint Inc. (which recently vacated) used a portion of the site building as a warehouse for their wastewater treatment system products. New England Plastics Corp (NEP) utilizes remaining portions of the building for their plastics molding operations.

The property consists of an approximately 8-acre parcel of land located in an industrial setting. The site is developed with a single-story 33,757 square foot manufacturing building that was constructed circa 1960. The site is identified as Lot 321 on the City of New Bedford's Assessor's Map No. 136. The site is currently zoned Industrial C.

The subject site is located at:

241 Duchaine Boulevard
New Bedford, Bristol County, Massachusetts, 02745

The southern portion of the property is currently utilized for shipping and receiving and an abandoned railroad spur line is located at the south end of the property. The northern portion of the property consists of an asphalt parking area beyond which is an undeveloped wooded lot. The eastern portion of the property consists of a landscaped lawn area beyond which is a drainage swale that borders Duchaine Boulevard. The western portion of the property consists of a grassy lawn area beyond which is wetlands associated with Hobomock Swamp.

The approximate Universal Transverse Mercator (UTM) coordinates are 4621222.095 meters north and 337211.609 meters east (Lat/Long: 41.728064/ -70.957216). The Site Locus, attached as Figure 1 in Appendix A, identifies the property on the New

Bedford North, Massachusetts Quadrangle map published by the United States Geological Survey (USGS) in 1979.

2.2 SITE DESCRIPTION AND OPERATIONS

Currently, the site building is occupied by NEP and recently vacated by Aquapoint. Aquapoint designs and manufactures wastewater treatment systems for decentralized and distributed sewer applications. NEP performs plastic fabrication and profile extrusion, as well as thermoforming, sheet extrusion, and rotomolding. According to City of New Bedford officials, the future plans for the site, includes the remediation of the site and building with the ultimate goal to sell the property once remediation is complete.

2.3 SITE RECONNAISSANCE

On April 20, 2007, Tighe & Bond conducted a site reconnaissance visit to document site usage, handling and storage of oil and hazardous materials (OHM) at and near the subject site and past or present evidence of a release/potential release of OHM.

During the reconnaissance visit, oil staining was observed on the walls throughout the manufacturing portion of the building, on oil-filled mechanical equipment and on the concrete floors adjacent to mechanical equipment. Additionally, concrete patches were observed in the manufacturing area in the northern end of the building in the vicinity of abandoned process equipment. Areas of former trenches and concrete patches were also observed in the southern end of the building. An underground vault is located underneath the northern portion of the building. The pit contains approximately 4 feet of water, and was presumably used for process water. The dimensions and integrity of the vault are unknown.

Evidence of a former UST was observed during our April 20, 2007 site reconnaissance, which consisted of a fill port located on the north side of the existing building and an area of disturbed pavement and vegetation.

Three abandoned ASTs were observed in a room located in the southeastern corner of the building. The contents stored in the ASTs are unknown. Additionally, it is unknown if the ASTs are empty or contain product. Tighe & Bond was not able to access the room containing the three ASTs.

Three pole-mounted electrical transformers are located outside the northwest corner of the building.

One existing groundwater monitoring well was observed on the exterior of the east side of the building. No other groundwater monitoring wells were observed.

2.4 DESCRIPTION OF SURROUNDING PROPERTIES

Properties surrounding the site consist of undeveloped wooded land and wetlands to the north, Duchaine Boulevard and Alberox Corporation (Morgan Advanced Ceramics) to the east, Titleist Acushnet Company Ball Plant III and Black Pond to the south, and Hobomock Swamp and Conrail Railroad to the west. According to information from environmental databases *FirstSearch Report* (DataMap), the estimated population within one-half mile of the site is approximately 3,205 people.

2.5 SITE UTILITIES

The utilities for the subject site include:

- Electricity – NSTAR Electric and Gas
- Natural Gas – NSTAR Electric and Gas
- Water – City of New Bedford
- Sanitary Sewer Services – City of New Bedford

2.6 SOIL AND GROUNDWATER CLASSIFICATION

2.6.1 Reportable Concentrations

The release at the site for which this report has been prepared was reported to the DEP in on September 7, 1993, and RTN 4-1347 was subsequently assigned. Since the release is on record with the DEP, Reportable Concentrations (RCs) are not applicable to the site, therefore soil and groundwater concentrations are compared to the Method 1, Risk Characterization Standards.

Based on the observed facility characteristics and information obtained from the Mass GIS Site Scoring map, RCs that would be applicable to the site, as specified in the MCP at 310 CMR 40.0361 and 40.0362, include RCGW-1 and RCGW-2 for groundwater and RCS-1 and RCS-2 for soil.

The eastern portion of the site (primarily the entire building area) is located with the geographic boundary of a non-potential medium/high yield aquifer (RCGW-2). The western portion of the subject site, which includes the limits of a portion of the disposal site, is located within the geographic boundaries of a potential productive high yield aquifer (PPA), therefore RCGW-1 applies. Since portions of the disposal site are located within the geographic boundaries of a groundwater resource area characterized as RCGW-1, soils within the RCGW-1 area are categorized as RCS-1.

2.6.2 Cleanup Standards

Groundwater and soil at disposal sites are categorized for risk assessment purposes based upon the location and uses of the site and the site groundwater. Specific standards have been developed for both soil and groundwater based upon these uses

and the potential for human or environmental exposure. Within an individual site, several applicable categories may be present, particularly for the soil classification. Groundwater and soil category classification criteria are set forth in 310 CMR 40.0932 and 40.0933, respectively.

Laboratory results for samples collected at the site were compared to applicable Method 1 soil and groundwater Risk Characterization Standards as listed in the MCP. Applicable soil and groundwater Risk Characterization Standards for the site, as specified in the MCP (310 CMR 40.0932 and 40.0933), include S-2/GW-1, S-2/GW-2 and S-2/GW-3 for soils and GW-1, GW-2 and GW-3 for groundwater. The justifications for these standards are described below.

2.6.2.1 Soil Standards

Based on site conditions and potential exposure scenarios, it has been determined that the soil at the site meets the criteria of the S-2 soil category, as defined by 310 CMR 40.0933. The following supports this determination:

- The site is located in an industrial area, however site access is not restricted, therefore children's frequency and intensity of use is considered low;
- An occupied structure is on the property, therefore adult's frequency of use is considered high, but intensity of use is considered low;
- Site soils are considered accessible given that impacted soils are present at depths of 0-3 feet below ground surface (BGS) in unpaved areas.

2.6.2.2 TSCA Soil Exposure Potential

Due to the presence of PCBs, TSCA regulations are applicable. Adult employees are regularly at the Site, so adult frequency and intensity of use is considered high. Additionally, site access is not restricted and therefore trespassers may be present. Consequently, occupancy (as defined in §761.3 of TSCA) for any individual not wearing dermal respiratory protection for a calendar year is less than 840 hours for non-porous surfaces and 335 hours for bulk PCB remediation waste. Based on this definition, the Site is considered to be a *high occupancy area* as specified at §761.3. Therefore, in addition to PCBs being compared to the Method 1, Risk Characterization Standards, PCB concentrations will also be compared to the TSCA's Risk Based Standard for high occupancy. The cleanup standard for PCBs in a high occupancy area is 1 milligram per kilogram (mg/kg) for unrestricted use and less than 10 mg/kg for a high occupancy areas where an engineered cap/barrier and deed restriction have been implemented (§761.61).

2.6.2.3 Groundwater Standards

Groundwater within portions of the site meets the criteria of groundwater categories GW-1, GW-2 and GW-3 as defined by 310 CMR 40.0932. This determination is based on a review of the MassGIS Site Scoring map provided in Appendix A. The GW-1, GW-2 and GW-3 classification was determined from the following:

- GW-1 – This western portion of the subject site, which includes portions of the limits of the disposal site, is located within geographic boundaries of a PPA.
- GW-2 – The average depth to groundwater at the site is less than 15 feet BGS and the release area is located within 30 feet of an occupied structure.
- GW-3 – All groundwater in Massachusetts is classified as GW-3 because it has the potential to discharge to surface water.

Previous uses of the property and surrounding area, as well as the history of facility use, are presented in the following sections. This information is based upon existing records, review of reports previously submitted to DEP, a search of databases maintained by state and federal agencies and discussions with local officials.

3.1 OWNER/OPERATOR AND OPERATIONS HISTORY

Information regarding historical use of the site was obtained from historical maps for the area, a review of previous reports prepared for the site and a review of municipal records.

The site was first developed circa 1960 and was operated by Polyply, Inc., a manufacturer of composite fiberglass boards. In 1990, Polyply filed for bankruptcy and restructured under the name Polymerine, Inc. Polymerine ceased operations in the mid 1990s and the site is currently occupied by New England Plastics Corp.. Polyply and Polymerine produced composite fiberglass boards by laminating several layers of fiberglass sheets together, coating them with a water-based epoxy resin, then bonding them using pressure and heat. In later years, the boards were purchased pre-impregnated, and then joined at the facility. For a majority of the operations history at the site, PCB oil was used in the heat transfer system. The heat transfer system was later modified to use non-PCB oil.

3.1.1 Sanborn Fire Insurance Maps

The subject site is not depicted on Historic Sanborn Fire Insurance Rate Maps, as the area was largely undeveloped prior to 1960.

3.1.2 Aerial Photographs

Aerial photographs were obtained from the Plymouth County Soil Conservation Survey and are summarized as follows:

- 1952: The site and surrounding properties were undeveloped wooded land.
- 1971, 1980, 1984 and 1991: The maps for these four years indicated the same site usage. The site was developed with one building, consistent with the current configuration. Wooded landed was present to the west of the building. A parking area was located to the north of the building. A driveway was located to the south of the building. A grassy, landscaped area was located to the east of the building.

3.1.3 City Directories

The following information regarding former occupants (not necessarily owners) at the subject site were obtained from a review of historical city directories maintained by the City of New Bedford Public Library.

1966: Décor Laminates Inc. listed as being present on Industrial Park Road

1969 to 1971: 241 Duchaine Boulevard – Décor Laminates Inc.

1999 to 2000: 241 Duchaine Boulevard – AWT Environmental

2001: 241 Duchaine Boulevard – AWT Environmental, New England Plastics Corp Rotocast Tech Division

2002: 241 Duchaine Boulevard – AWT Environmental, NEP Corp Rotocast Tech Division, Contractor for EPA. It should be noted that an EPA Removal Action related to PCB contaminated soil was being conducted, during which time contractor trailers were present on site.

2004: 241 Duchaine Boulevard – NEP, Aquapoint Inc.

2006: 241 Duchaine Boulevard – AWT Environmental, NEP, Aquapoint Inc.

It should be noted that Duchaine Boulevard was referred to as Industrial Park Road between 1960 and 1966. Additionally, city directories between 1972 and 1998 were not available for review at the New Bedford Public Library.

3.1.4 Municipal Records Review

A building permit (No. 726-59) for the construction of an industrial building was issued in 1959. Subsequent permits (Nos. 424-62, and 279-74) for building additions were issued in 1962 and 1974.

3.2 RECORDED ENVIRONMENTAL CLEANUP LIENS AND ACTIVITY USE LIMITATIONS

Although this Phase I ISI/ESA did not include an environmental liens or AUL review of the title, based on records reviewed for the property, Tighe & Bond is not aware of any existing AULs. Based on removal action work performed by the EPA, an environmental lien may exist for the property.

3.3 ENVIRONMENTAL RECORDS REVIEW

As part of this investigation, Tighe & Bond performed a database search of federal and state environmental records that would indicate the potential presence of environmental hazards at, or in close proximity to, the subject site. The Environmental *FirstSearch Report* provided by New England DataMap Technology Corporation (DataMap) of Dedham, Massachusetts is presented in Appendix C. Local records were reviewed at New Bedford City Hall and Fire Department as part of this investigation.

3.3.1 Database Search

An initial search of information in state and federal databases for the property and surrounding area was conducted by DataMap on October 22, 2007. The databases searched and their radial distances from the site are summarized in Table 3-1. A plan illustrating the locations of all mapped sites within the specified search radii is provided at the end of the report in Appendix C.

Table 3-1
Database File Search Summary
241 Duchaine Blvd
New Bedford, Massachusetts

Database Searched	Search Radius (mile)	Number of Geocoded Sites
National Priority List (NPL)	1.00	0
NPL Delisted	0.50	0
Federal CERCLIS List	0.50	0
NFRAP List	0.50	2
RCRA TSD Facilities	0.50	0
RCRA Large and Small Quantity Generators	0.25	3
CORRACTS List	1.00	0
Emergency Response Notification System	0.25	3
State/Tribal Registered UST and AST	0.25	1
State Listed Spills(1) – 1990 to Present	0.25	9
State/Tribal Landfills and Solid Waste Disposal	0.50	0
State/Tribal Identified Hazardous Waste Sites (SIHW)	1.0	11
State/Tribal IC	0.25	0
Federal IC/EC	0.50	0
Tribal Lands	1.00	0
State/Tribal Brownfield	0.50	0
State Other	0.25	0
(1) Includes Leaking Underground Storage Tanks		

National Priorities List (NPL): inventory of sites classified as requiring Federal Superfund Cleanup actions. No geocoded sites were identified in this category.

NPL Delisted: inventory of sites where no further remedial actions are planned by EPA. No geocoded sites were identified in this category.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS): database of facilities and/or locations that are or have been investigated by the U.S. Environmental Protection Agency (US EPA) or associated State environmental agencies to ascertain the presence of potential or existing contamination. ASTM requires a 0.5-mile radius search. No geocoded sites were identified in this category.

No Further Remedial Action Planned Sites (NFRAP): facilities and/or locations, which have been removed from the CERCLIS database. Such facilities may be

locations where either no contamination was found, contamination was removed quickly without 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. ASTM requires the site and adjacent properties to be searched. Two sites were identified in this category. Polymerine, which is the subject of this Phase I ISI/ESA was identified in the database report. Additional information pertaining to assessment and remedial response actions are summarized throughout this report.

Alberox Corp (Morgan Advanced Ceramics), located 0.10 miles southeast of the subject site and topographically downgradient, was assigned the EPA Identification number 0100400. According to the FirstSearch report, site assessment activities were August 2001. Based on the regulatory status (NFRAP-N) and topographically downgradient location, the site represents a low level of environmental concern to the subject site.

Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal (TSD) Facilities: permitted facilities and/or locations, which treat, store, or dispose of hazardous wastes. No geocoded sites were identified in this category.

RCRA – Large-Quantity Generators (LQGs) and Small-Quantity Generators (SQGs): LQG facilities and/or locations generate over 1,000 kilograms (kg) of hazardous waste per month. SQG facilities and/or locations generate less than 1,000 kg but more than 100 kg of hazardous waste per month. ASTM requires generators on or adjacent to the site to be identified. Additional details for each facility are provided, following Table 3-2.

Table 3-2
Summary of RCRA-SQG and LQG Sites – Located within one-quarter mile
241 Duchaine Boulevard
New Bedford, Massachusetts

Site and Address	Identification Number	Location Relative to Subject Site	Status
Polymerine (Subject site) 241 Duchaine Boulevard	MAD980584361	Subject Site	SQG
Morgan Advanced Ceramics 225 Theodore Rice Boulevard	MAD001061001	0.10 miles southeast	LQG
Acushnet Co Ball Plant III 215 Duchaine Boulevard	MAR000011171	0.13 miles southeast	LQG

Polymerine was identified on the SQG database. According to the FirstSearch report, EPA assigned Generator Identification number MAD980584361. Types of hazardous waste generated at the facility include ignitable wastes including 2-propanone and/or acetone. Two violations had been cited and subsequently resolved at the facility.

There are 2 RCRA-LQG sites within one-quarter mile of the subject site. Morgan Advanced Ceramics (MAC) is located 0.10 miles southeast of the subject site. The

facility has been assigned EPA Identification number MAD001061001. Types of hazardous waste generated at the facility include corrosive wastes, spent cyanide salt baths, reactive wastes, ignitable wastes, MA99, tetrachloroethylene, silver, chromium, lead, methyl ethyl ketone, arsenic, MA01, Mercury, Cadmium, spent sludge, halogenated solvents (e.g., methylene chloride, tetrachloroethene, trichloroethylene, carbon tetrachloride, etc.) and non-halogenated solvents (e.g., xylenes, acetone, ethyl-acetate, etc.). No violations have been cited at the facility. Based on this and the distance from the subject site, this site represents a low level of environmental concern to the subject site.

Acushnet Co Ball Plant III is located 0.13 miles southeast of the subject site. The facility has been assigned the EPA Identification number MAR000011171. Types of hazardous waste generated at the facility include corrosive wastes, reactive wastes, ignitable wastes, MA01, benzene, carbon tetrachloride, non-halogenated solvents (e.g., toluene, xylenes, acetone, ethyl benzene, methyl ethyl ketone, carbon disulfide, etc.) and halogenated solvents (e.g., Tetrachloroethylene, methylene chloride, chlorobenzene, etc.). No violations have been cited at this facility. Based on this and the distance from the subject site, this site represents a low level of environmental concern to the subject site.

Emergency Response Notification System (ERNS): database of information on reported releases of oil and hazardous substances. The list identifies those facilities and/or locations that have been reported to federal agencies, including the Coast Guard, the US Environmental Protection Agency (EPA) or Department of Transportation. Table 3-3 summarizes the two ERNS sites within one-quarter mile of the subject site. The tables provide the spill address, quantity and type of oil or hazardous material spilled, identification number, the location of the spill relative to the subject site, and status.

Table 3-3
Summary of ERNS Listed Sites
241 Duchaine Boulevard
New Bedford, Massachusetts

Site and Address	Location Relative to Subject Site (miles)	Material Released/ Quantity	Status
In front of White Rock Inc. Duchaine Boulevard	0.04 miles northeast	Unknown quantity of "Green slime", White powder material	Highway Related
Duchaine Boulevard	0.07 miles southeast/	Unknown quantity of White smoke	Fixed Facility
Duchaine Boulevard	0.07 miles southeast	Unknown quantity of White smoke with chlorine odor	Fixed Facility

In front of White Rock Inc. on Duchaine Boulevard
On April 5, 1990, unknown quantities of both a "green slime" and a white powder material were released to the roadway when the materials fell off of a Chemlawn truck. Based on the nature of the release, it represents a low level of environmental concern to the subject site.

Duchaine Boulevard
On June 1, 1992, an unknown quantity of an unknown chemical was released to air. Based on the nature of the release, it represents a low level of environmental concern to the subject site.

Duchaine Boulevard
On May 29, 1992 an unknown quantity of an unknown chemical with a strong chlorine odor was reportedly released from a vent on a factory rooftop to air. The release appears to be related to the aforementioned June 1, 1992 release. The New Bedford Fire Department responded in both cases. Based on the nature of the release, it represents a low environmental concern to the subject site.

Registered Aboveground and Underground Storage Tank Data Listing (AST/UST): contains information pertaining to all registered active and inactive USTs located within the State. ASTM requires ASTs and USTs on or adjacent to the site to be identified. There is one UST site located within one-quarter mile of the subject site. Table 3-4 below summarizes the one site located within one-quarter mile of the subject site. The table includes the name and address of the facility, capacity and contents of each registered UST, status of the UST(s), and location relative to the subject site. The status denotes whether the USTs have been removed or are in-use at the facility.

Table 3-4
Summary of UST Listed Sites – Located within one-quarter mile
241 Duchaine Boulevard
New Bedford, Massachusetts

Site and Address	Capacity (Gallons)	Contents	Status	Location Relative to Subject Site
Service America Corp 213 Rice Boulevard	10,000	Gasoline	Removed	0.09 miles southeast

Service America Corp
According to the *FirstSearch Report*, one 10,000-gallon UST has been removed from this facility. No releases of OHM have been reported for this site, therefore, it represents a low level of environmental concern to the subject site.

State Spills (1990-Present): There are 9 State Spill sites located on or within one-quarter mile of the subject site. These sites are summarized in Table 3-5, which provides the spill address, quantity and type of OHM released, identification number, the location of the spill relative to the subject site, and regulatory status.

Table 3-5
State Spills (1990-Present) – Located within one-quarter mile
241 Duchaine Boulevard
New Bedford, Massachusetts

Spill Address	Quantity	Type of Material Spilled	ID No.	Location Relative to Subject Site	Status
241 Duchaine	Unknown	Unknown	S91-0216	Subject Site	Closed
241 Duchaine	Unknown	PCBs/Metals/VOCs/ Oil	4-0001347	Subject Site	Tier 1D
White Rock Soda Duchaine	Unknown	No. 2 Fuel Oil	S91-0561	0.04 miles northeast	Closed
White Rock Soda Duchaine	Unknown	Unknown	S90-0239	0.04 miles northeast	Closed
Alberox Corp 225 Theodore Rice	Unknown	VOCs present	4-0000116	0.10 miles southeast	WCSPRM
Emhart PCI Group 215 Duchaine	Unknown	Chlorinated solvents/Metals present	4-0000416	0.13 miles southeast	Class A-2 RAO
215 Duchaine	10 gallons	Oil	4-0013579	0.13 miles southeast	Class A-1 RAO
291 Theodore Rice	Unknown	No. 2 Fuel Oil	S92-0696	0.18 miles southeast	Closed
225 Theodore Rice	20 gallons	Unknown	4-0019720	0.25 miles southeast	Class A-1 RAO

WCSPRM = Waiver Completion Statement (equivalent of an RAO Statement)
RAO = Response Action Outcome

Subject Site (S91-0216)
The subject site was identified on the *FirstSearch Report*. The spill of an unknown quantity of a hazardous material from a drum was reported, and the case was subsequently closed.

Subject Site (4-0001347)
According to published information and the *FirstSearch Report*, a previous environmental assessment of the subject site revealed the presence of PCBs, Metals, and VOCs in site soils. This RTN is the subject of this Phase I ISI/ESA Report and, therefore, additional information pertaining to this RTN is provided throughout this report.

Based on the regulatory status, downgradient or crossgradient relative to the subject site, and/or distance relative to the subject site, the remaining Spills represent a low level of concern to the subject site.

Solid Waste Landfill Facilities (SWF): comprehensive listing of all permitted solid waste landfills and processing facilities operating within the State. According to the FirstSearch report, there are no Solid Waste Landfills (SWLs) located within one-half mile of the subject site.

State/Tribal Identified Hazardous Waste Sites: There are 11 State Identified Hazardous Waste (SIHW) Sites within one-mile of the subject site. Table 3-6 below summarizes the SIWH sites located within one mile of the subject site. The table includes the name and address of the site, identification number, location relative to the subject site and status of the site.

Table 3-6
Summary of State Identified Hazardous Waste Sites – Located within one mile
241 Duchaine Boulevard
New Bedford, Massachusetts

Site and Address	Identification Number	Location Relative to Subject site (miles)	Status
Polymerine 241 Duchaine	4-0001347	Subject Site	Tier 1D
Borg Warner Automotive Inc 200 Theodore Rice Blvd	4-0000389	0.28 miles southeast	REMOPS
Borg Warner Automotive Inc 200 Theodore Rice Blvd	4-0016181	0.28 miles southeast	ROS
EPEC Inc 174 Duchaine Blvd	4-0001018	0.37 miles southeast	Class A-2 RAO
No Location Aid 158 Duchaine Blvd	4-0011234	0.39 miles southeast	DPS
Schaefer Marine Inc 158 Duchaine Blvd	4-0000949	0.39 miles southeast	LSPNFA
Tallyrand 129 John Vertente Blvd	4-0011419	0.51 miles southwest	Tier 1D
Former UST Area 55 Samuel Barnet Blvd	4-0019456	0.57 miles southwest	Class A-2 RAO
Polaroid WWTP Facility 100 Duchaine Blvd	4-0016316	0.69 miles southeast	Class A-1 RAO
Ashley Tire and Auto 4227 Acushnet Ave	4-0001324	0.75 miles northeast	Class A-3 RAO
Rte 18 4162 Acushnet Ave	4-0013946	0.79 miles northeast	Class A-1 RAO

Subject Site (4-0001347)

According to published information and the *FirstSearch Report*, a previous environmental assessment of the subject site revealed the presence of PCBs, Metals, and VOCs in site soils. This RTN is the subject of this Phase I ISI/ESA Report and, therefore, additional information pertaining to this RTN is provided throughout this report.

Based on the regulatory status, downgradient or crossgradient relative to the subject site, and/or distance relative to the subject site, the remaining Spills represent a low level of concern to the subject site.

Federal Land Use (Federal Land Use Restricted Areas): Areas where land use may be restricted by the following Federal agencies: Bureau of Land Management, Bureau of Indian Affairs, Department of Defense, National Forest Service, US Fish & Wildlife Service, National Park Service and Tennessee Valley Authority (includes wild and scenic river preservation areas). There are no Federal Land Use areas within a one-half mile radius of the site.

State/Tribal IC: legal or administrative restriction on the use of, or access of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An institutional control is a type of AUL. No geocoded sites were identified in this category.

Tribal Lands: The Bureau of Indian Affairs list of recognized Native American reservation boundaries. No geocoded sites were identified in this category.

Brownfield: Brownfields are defined in the *FirstSearch Report* as sites that received an AUL. Other federal and ate Brownfield definitions exist. An AUL provides Notice to users of property of the presence of OHM contamination remaining at the location after a cleanup has been conducted pursuant to M.G.L. Chapter 21E and the Massachusetts Contingency Plan. The AUL is a legal document that identifies activities and uses of the property that may or may not occur, as well as the property owner's obligation and maintenance conditions that must be followed to ensure the safe use of the property. Brownfields Management System (BMS) is a database designed to assist the EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant programs. There were no sites identified within one-half mile of the subject site.

It should be noted that AULs cannot be implemented to achieve a level of No Significant Risk (NSR) for groundwater contamination, but rather only for impacted soils to restrict exposure to areas where soil contamination remains in-place above the Method 1, Risk Characterization Standards. An AUL is a method to achieve a level of NSR and any activity to be conducted within the boundaries of an AUL must be conducted under the supervisions of an LSP and in accordance with a Soil Management Plan (SMP).

State Other: any given State database specific to its unique laws and environmental due diligence requirements. No geocoded sites were identified in this category.

3.4 LOCAL RECORDS REVIEW

Tighe & Bond visited the City of New Bedford Conservation Commission on November 14, 2007 to obtain information pertaining to Notices of Intent (NOIs), Orders of Condition and wetlands at the subject site. According to Conservation Commission personnel, there are no active permits on file for 241 Duchaine Boulevard. It was noted, however, that the Commission did coordinate with EPA in 2001 regarding wetland plantings in the remediated wetland area. According to the commission, wetlands protected under the MA Wetlands Protection Act and Regulations are present on site, and any proposed work in or within the Buffer Zone to the Wetlands would require a permit from the Conservation Commission.

The City of New Bedford Zoning Board of Appeals was also visited on November 14, 2007. According to Zoning Board personnel, there are no records on file for the subject site.

The City of New Bedford Fire Department and Fire Prevention office were visited on November 14, 2007 to obtain information pertaining to USTs, ASTs and OHM storage at the subject site. According to Fire Department personnel, there are no records on file for the subject site.

The City of New Bedford Clerk's Office was visited on November 14, 2006 to obtain information pertaining to USTs at the subject site. According to City Clerk personnel, there were no licenses on file for the underground storage of OHM.

The City of New Bedford Inspectional services, which includes the Building Department, Code Enforcement, and Health Department, was visited on November 14, 2007 to obtain information pertaining to historical usage of the subject site and information pertaining to OHM. Three building permits were on file for the subject site, and are discussed in the following paragraph. Additionally, no records were on file with the Inspectional Services indicating the presence of OHM at the subject site or a release of OHM to the environment.

3.5 SITE RELEASE HISTORY

As previously mentioned, the former owner/operator at the site (Polymerine) used PCB oil in the heat transfer system for an undetermined period of time. A site investigation conducted by Rizzo in May of 1993 detected low levels of volatile organic compounds (VOCs) in soil and groundwater, and concentrations of PCBs in soil as high as 49,000 milligrams per kilogram (mg/kg). Elevated levels of total petroleum hydrocarbons (TPH) and metals were also detected in soil. Regulated levels of PCBs were detected in wipe samples from interior building surfaces. The DEP was notified of the release condition in October 1993 and the RTN 4-1347 was assigned. Further investigations conducted at the site by Weston detected PCBs in soil at concentrations as high as 13,500 mg/kg. Consequently, the EPA issued an Unilateral Administrative Consent

Order (UAO) to the property owner, and removal actions were conducted. Approximately 1.8 million kg (2,000 tons or approximately1,400 cubic yards) of PCB-contaminated soil was excavated and transported off site for disposal. Groundwater was encountered during remediation activities, which limited the depth of excavation in some areas, and therefore PCB-contaminated soils, with PCB concentrations of up to 230 mg/kg, remain on site.

3.6 OIL AND/OR HAZARDOUS MATERIAL USE AND STORAGE HISTORY

The facility formerly operated as manufacturing facility for the production of composite fiberglass boards. As previously mentioned, the site formerly used heat transfer fluid that contained PCBs. Additionally, hazardous waste generated at the facility included ignitable wastes including 2-propanone and acetone. Information pertaining to historical types, handling and disposal practices of OHM at the site was not available for review.

3.7 UST/AST REMOVAL HISTORY

According to the *FirstSearch Report*, the subject site was not identified on the registered UST database. Furthermore, information maintained on the State Fire Marshall's Office website (http://db.state.ma.us/Dfs/ustQueryPage.asp) indicated that no USTs have been removed or are currently in-use at the subject site.

Evidence of a former UST was observed during our April 20, 2007, which consisted of a fill port located on the north side of the existing building and an area of disturbed pavement and vegetation. Additionally, previous reports prepared for the site, indicated that a former UST was removed from the site. Information pertaining to the contents stored in the tank, tank capacity, years installed and removed, and condition of the UST at the time of removal was not available for review. Therefore, potential soil and groundwater impacts associated with the former UST will be evaluated as part of the Phase II CSA activities.

Three abandoned ASTs were observed in a room located in the southeastern corner of the building. The contents stored in the ASTs are unknown. Additionally, it is unknown if the ASTs are empty or contains product.

3.8 WASTE MANAGEMENT HISTORY

3.8.1 Hazardous Waste Management

The site was a SQG and has been assigned Generator Identification Number MAD980584361. Types of hazardous waste generated at the facility included ignitable wastes including 2-propanone and acetone. Two violations had been cited and subsequently resolved at the facility. According to previous environmental reports

prepared for the site, the hazardous waste was reportedly transported offsite by either Clean Harbors Environmental Services (CHES) to their facility in Braintree, Massachusetts for disposal or General Chemical to their facility in Framingham, Massachusetts for disposal.

Additionally, as part of an EPA Removal Action, approximately 2,000 tons of PCB contaminated soil was excavated, stockpiled (soil was covered with polyethylene sheeting and secured with hay bales), and transported off site for disposal at the CWM Chemical Services, LLC facility in Model City, New York.

3.9 ENVIRONMENTAL PERMITS AND COMPLIANCE HISTORY

The site is a SQG with EPA Identification Number MAD980584361. Review of local and State files and previous environmental permits did not identify any additional environmental permits for the subject site.

Two Compliance Orders were issued to the subject site, one on March 1, 1988 and one on May 7, 1991. The March 1988 order was issued to Polymerine by the State for the violation of Generator oversight requirements. The May 1991 order, also issued to Polymerine by the State, does not cite the specific nature of the violation.

3.10 POTENTIALLY RESPONSIBLE PARTIES

The City of New Bedford acquired the site through tax foreclosure on June 30, 2006 and has assumed the role as Responsible Party (RP) as a Municipality with Exempt Status (as defined by M.G.L. c. 21E, s.2). As the current RP, the City of New Bedford has agreed to initiate voluntary Comprehensive Response Actions (CRA) at the site as required by the MCP and TSCA so that they can divest themselves of the property. According to files on record with the DEP and EPA, the former owner/tenant at the site, Polymerine, Inc., was listed as the potential responsible party (PRP). Polymerine, Inc. has since filed for bankruptcy and therefore unable to complete the CRAs.

4.1 SITE HYDROGEOLOGICAL CHARACTERISTICS

4.1.1 Surface Water

The closest bodies of water are Black Pond and an unnamed pond, which are located approximately 750 feet southeast and northwest of the subject site, respectively. Sassaquin Pond and two unnamed ponds are located approximately one-half mile to the northeast and northwest, respectively. Hobomock Swamp abuts the site to the west, and Bolton Cedar Swamp is located approximately a half-mile to the north of the property. According to the MassGIS Priority Resource Map, Fresh Water Non-Forested Wetlands comprise Hobomock and Cedar Swamps. Additionally, an NHESP Certified Vernal Pool abuts the subject site to the west. There are no mapped public surface water supplies located within one-half mile of the subject site.

4.1.2 Topography, Flood Potential and Drainage

The Site Locus, attached as Figure 1 in Appendix A, identifies the property on the New Bedford North, Massachusetts Quadrangle map published by the USGS in 1979. The subject site is situated approximately 24 meters (80 feet) above mean sea level as depicted on Figure 1. The topography of the site is similar throughout, consisting of nearly level land.

Storm water at the subject site flows either via sheet flow in a westerly direction to the Hobomock Swamp or in an easterly direction towards a drainage swale located to the east of the site, along Duchaine Boulevard.

According to the Flood Insurance Rate Map (Panel No. 2552160005B, dated January 5, 1984) obtained from the Federal Emergency Management Agency (FEMA), the subject site is located in Zone C (areas of minimal flooding).

4.1.3 Geology

According to the *Soil Survey of Bristol County Southern Part* issued in October 1981 (published by the Soil Conservation Service in cooperation with USDA-National Resources Conservation Service), the soils located on the eastern portion of the site are classified as Urban land (Ur). Urban land consists of nearly level to moderately steep areas, where the soils have been altered or obscured by urban works or structures to the extent that classification is impossible. The soils on the western portion of the site are classified as Freetown Muck (Fm). Freetown Muck consists of nearly level, deep, poorly drained soils located in depressions. The top two inches consist of reddish brown mucky peat, followed by black and dark reddish brown muck to depth of 60 inches. Soil boring logs indicating soil types encountered during previous investigations and soil remediation were not included in the previous reports prepared for the site.

According to the *Bedrock Geologic Map of Massachusetts* (1983), the bedrock underlying the site consists of granite.

4.1.4 Groundwater

According to the MassGIS Priority Resource Map, the western portion of the site is located within the geographic boundaries of a PPA. There are no mapped current groundwater supplies (e.g., DEP-approved Zone II Wellhead Protection Areas or DEP Interim Wellhead Protection Area) located within one-half mile of the subject site. The MassGIS Priority Resource Map is attached to this report in Appendix A as Figure 2.

Based on the regional topography, the estimated groundwater flow direction is to the east/southeast towards area wetlands. However, the hydrology characteristics at the site were not been evaluated as part of this Phase I ISI/ESA. A more detailed evaluation of the groundwater characteristics will be conducted as part of the Phase II Comprehensive Site Assessment (CSA) activities.

SECTION 5 NATURE AND EXTENT OF CONTAMINATION

The approximate nature and extent of contamination has been evaluated through a review of a variety of previous environmental reports prepared for the subject site area, which are summarized below.

5.1 SITE INVESTIGATION

To determine the monitoring and assessment history conducted at the site to date, Tighe & Bond reviewed the following reports. Each of these reports has been previously submitted to DEP and EPA.

- *Preliminary Assessment/Site Investigation Report for the Polymerine Site, New Bedford, Massachusetts,* prepared by prepared by Roy F. Weston and dated January 1998

- *PCB Delineation Report, Former Polymerine, Inc. Site, 241 Duchaine Boulevard, New Bedford, Massachusetts,* prepared by Paragon Environmental Services, Inc. and dated November 24, 1998

- *PCB Remediation Work Plan, Former Polymerine, Inc. Site, 241 Duchaine Boulevard, New Bedford, Massachusetts,* prepared by Paragon Environmental Services, Inc. and dated November 24, 1998

- *Removal Program After Action Report for the Polymerine Site*, *241 Duchaine Boulevard, New Bedford, Massachusetts* prepared by Roy F. Weston and dated November 2001

5.1.1 Soil Assessment Activities

In 1993, Rizzo Associates, Inc. (Rizzo) conducted a limited subsurface investigation, which consisted of the advancement of soil borings, installation of groundwater monitoring wells, and collection and laboratory analysis of soil, groundwater, sediment (collected from a wetlands and the cooling water discharge pond) and interior building surface samples (PCB wipe samples were used on interior building surfaces). PCBs were detected in the nine surficial and sediment samples at concentrations ranging from 1.9 milligrams per kilogram (mg/kg) to 49,000 mg/kg. Elevated concentrations of total petroleum hydrocarbons (TPH) and of metals including arsenic, barium, cadmium, chromium, cobalt, copper, manganese, lead, nickel, vanadium, and zinc, were detected in soil. Low levels of volatile organic compounds (VOCs), below the applicable Method 1 Standards, were detected in soil (toluene and xylenes).

In November 1997, Roy F. Weston, Inc. (Weston) conducted a Preliminary Assessment/Site Investigation (PA/SI), which consisted of the collection of 12 surficial

soil samples. The 12 soil samples were analyzed for PCBs and metals. Laboratory results indicated the presence of PCBs in soil at concentrations up to 13,500 mg/kg. Metals were not detected above the Method 1, Standards.

In October and November of 1998, Paragon Environmental Services, Inc. (Paragon) conducted a field investigation to further delineate the vertical and horizontal extent of PCB contamination at the site. Soil assessment activities consisted of the collection of 77 soil samples from 50 grid locations. Soil samples were collected and field screened for total volatile organic vapors (TVOV) using a photo-ionization detector (PID) and for total PCBs using a Dexsil kit. Field screening resulted indicated no elevated TVOV readings (highest PID reading was 13.1 parts per million by volume [ppmv]). Elevated concentrations of PCBs were detected in 27 of the 76 soil samples screened in the field.

Based on field screening results, select soil samples were analyzed for PCBs either by the field laboratory or by Groundwater Analytical of Buzzards Bay, Massachusetts. Select soil samples were also submitted to Groundwater Analytical for volatile organic compound (VOC), semi volatile organic compound (SVOC) and/or metals analyses. Laboratory analytical results indicated that PCBs were detected above the Method 1, Standard of 2 mg/kg in 25 of the 77 samples with PCB being detected as high as 19,000 mg/kg. No VOCs or SVOCs were detected above their respective method detection limit. Additionally low levels of metals, at concentrations below their respective Method 1, Standards, were detected in three of the four soil samples submitted for analysis.

The PCB soil assessment concentrations are presented in Table 5-1 and the VOC, SVOC and metals data in Table 5-2. It should be noted that substantial soil excavation has been conducted since Weston's and Paragon's assessment activities (Refer to *Section 5.1.3*) and therefore the PCB and metal concentrations detected during the assessment activities are not representative of current conditions.

5.1.2 Groundwater Assessment Activities

According to Paragon's PCB Delineation Report, concentrations of toluene (3.5 micrograms per liter [*u*g/L] and 75 *u*g/L), acetone (160 *u*g/L and 200 *u*g/L) and dissolved zinc have been detected at the site at concentrations below their respective Method 1, Risk Characterization Standards. Information pertaining to the monitoring wells these compounds were detected in were not available for review within the existing reports. Additionally, information pertaining to the concentrations of dissolved zinc detected at the site was not available review. Based the previous reports for the site, it does not appear that groundwater at the site has been adequately characterized, and therefore will be further addressed as part of the Phase II CSA activities.

5.1.3 Soil Excavation and Confirmatory Soil Sampling

An initial removal action, which consisted of the excavation and on-site stockpiling of approximately 220 tons of PCB-contaminated soil, was conducted at the site in 1998. However, due to a lack of funding, excavation activities ceased and the stockpiled soil remained onsite.

A Removal Program was conducted at the site by Weston between April 2000 and March 2001. Approximately 2,000 tons (1.8 million kilograms) of PCB contaminated soil was excavated and transported offsite for disposal. The excavation was generally continued to depths between 12 inches and 30 inches below ground surface (BGS) with some areas being excavated to depths of between 60 inches and 72 inches BGS.

A sampling grid, consisting of 25-foot by 25-foot cells was overlaid across portions of the site. Each cell was assigned with an alpha numeric identification, with numeric indicator. A total of 79 confirmatory soil samples were collected from the base of each cell and analyzed for PCBs via a field/mobile laboratory with 10% of the samples being submitted to EPA's New England Regional Laboratory (NERL) in Lexington, Massachusetts for confirmation analysis. Laboratory and field screening results indicated residual PCB concentrations ranged from non-detect to 230 mg/kg. Of the 79 confirmatory soil samples, 15 samples exhibited PCBs concentrations greater than 2 mg/kg and 11 samples with PCB concentrations greater than or equal to 1 mg/kg (TSCA's Risk Based Standard for high occupancy) and less than 2 mg/kg. To minimize exposure to residual PCB impacted soils, a geotextile fabric was placed in the grids where PCB concentrations in excess of 2 mg/kg remained. The confirmatory soil sample results are presented in Table 5-3. The approximate locations of confirmatory sampling grid locations are depicted on Figure 4.

5.1.4 Interior Building Assessment

As part of their Level II Environmental Site Assessment conducted in 1993, Rizzo collected five wipe samples from interior locations at the site. PCBs were detected in four of the five wipe samples collected from the interior building surface at concentrations ranging from 11 to 18,000 micrograms per 100 square centimeters (ug/100 cm^2). A site plan depicting the wipe sampling locations was not available for review and therefore not included in the PCB wipe sampling table (Table 5-4).

As part of Weston's 1997 PA/SI, three wipe samples were collected interior locations and submitted to NERL for PCB analysis. Laboratory analytical results indicated that PCB concentrations ranged from non-detect to 3 ug/100 cm^2. The report did not indicate the location of the samples and therefore not included in the PCB wipe sampling table (Table 5-4).

As part of the Removal Program conducted at the site between April 2000 and March 2001, 45 wipe samples were collected from the floors, walls and various pieces of machinery in October 2000 and submitted to Severn Trent Laboratories (STL, now known as Test America) for PCB analysis. Laboratory analytical results indicated that PCB concentrations ranged from 0.25 *u*g/100 cm^2 to 64 *u*g/100 cm^2. The PCB wipe sample results are presented in Table 5-4. The PCB wipe sampling locations are depicted on Figure 4. The PCB concentrations detected in W-29 (23 *u*g/100 cm^2) and W-47 (64 *u*g/100 cm^2) exceeds TSCA's High Occupancy Standard of 10 ug/100 cm^2.

Previous concrete samples collected from the boiler room (3 samples) and the main room (1 sample) in February 2001 revealed elevated PCB concentrations in the four samples.

It should be noted that impacted building materials are not generally regulated by the MCP. However, since this site is subject to TSCA, assessment activities related to the characterization of building materials are being included in this report.

5.2 HORIZONTAL AND VERTICAL EXTENT OF OHM

Based on a review of the 2001 confirmatory soil sampling results, two exterior areas of concern were identified:

1. 14 grids located on the northwest portion of the site; and
2. 9 grids located on the south-southwest portion of the site

Additionally, during our April 20, 2007 site reconnaissance visit, oil staining was observed on the walls throughout the manufacturing portion of the building, on oil-filled mechanical equipment and on the concrete floors adjacent to the mechanical equipment. Additionally, concrete patches were observed in the manufacturing area in the vicinity of abandoned process equipment. Impacts to soils located beneath the existing site building have not evaluated to date, and therefore will be addressed as part of the proposed Phase II CSA activities.

The vertical extent of contamination has not been fully delineated. Based on previous assessments, the PCB contamination extends to at least three feet BGS, with PCB contamination extending to depth of five to six feet BGS in some areas. Since the previous soil sampling focused mainly on PCBs, the extent of the elevated petroleum concentration previously detected at the site have not been delineated and, therefore, will be addressed as part of the Phase II CSA activities. It is likely that the petroleum impacts detected are likely associated with the released PCB oils.

Based on previous reports prepared for the site, it does not appear that significant impacts to groundwater exist. However, groundwater may not have not been

adequately evaluated and will be further addressed as part of the Phase II CSA activities.

Table 5-1 PCB Soil Sample Assessment Results priro to Soil Remediation
Former Polymerine, Inc.
241 Duchaine Boulevard
New Bedford, Massachusetts

Sample ID	Sample Depth (Feet BGS)	Lab/Field Screening Results	Total PCB Concentration (mg/kg)
87N/30W	Surficial	Lab Result	**54**
87N/30W	0.5'	Field Screening Result	0.5
62N/55W	Surficial	Field Screening Result	0.2
62N/30W	1.0'	Field Screening Result	**2.5**
62N/5W	Surficial	Lab Result	23
37N/55W	Surficial	Field Screening Result	0.2
37N/30W	Surficial	Field Screening Result	**1.7**
37N/5W	Surficial	Lab Result	**51**
37N/5W	1.0'	Field Screening Result	0.4
12N/55W	Surficial	Field Screening Result	0.5
12N/30W	Surficial	Field Screening Result	**8.9**
12N/30W	1.0'	Field Screening Result	ND
12N/5W	Surficial	Field Screening Result	2.5
12N/5W	1.0'	Field Screening Result	0.03
12N/70E	Surficial	Lab Result	**1,500**
12N/70E	1.0'	Field Screening Result	1.0
12N/95E	Surficial	Field Screening Result	**1.1**
12N/95E	1.0'	Field Screening Result	**1.4**
13S/80W	Surficial	Field Screening Result	0.2
13S/55W	1.0'	Field Screening Result	2.3
13S/30W	Surficial	Lab Result	**19,000**
13S/30W	1.0'	Lab Result	**120**
13S/30W	2.0'	Field Screening Result	0.4
13S/5W	Surficial	Field Screening Result	**57**
13S/5W	1.0'	Lab Result	**90**
13S/5W	2.0'	Field Screening Result	0.5
38S/55W	Surficial	Field Screening Result	1.5
38S/30W	Surficial	Field Screening Result	2.0
38S/5W	Surficial	Field Screening Result	0.4
38S/195E	Surficial	Field Screening Result	0.01
63S/55W	Surficial	Field Screening Result	**4.1**
63S/55W	1.0'	Field Screening Result	ND
63S/30W	Surficial	Field Screening Result	0.4
63S/5W	1.0'	Field Screening Result	0.06
88S/55W	Surficial	Field Screening Result	0.4
88S/30W	Surficial	Field Screening Result	ND
88S/5W	1.0'	Field Screening Result	0.04
88S/195E	Surficial	Field Screening Result	ND
113S/55W	Surficial	Field Screening Result	**1.1**
113S/30W	1.0'	Field Screening Result	ND
113S/5W	Surficial	Lab Result	**2.4**
113S/5W	1.0'	Field Screening Result	ND
138S/55W	Surficial	Field Screening Result	ND
138S/30W	Surficial	Lab Result	**22**
138S/30W	1.0'	Field Screening Result	0.01
138S/30W	3.0'	Lab Result	ND
138S/5W	Surficial	Field Screening Result	**1.7**
138S/195E	Surficial	Field Screening Result	ND
163S/55W	Surficial	Field Screening Result	0.03
163S/30W	Surficial	Field Screening Result	ND
163S/5W	Surficial	Field Screening Result	0.3
188S/55W	Surficial	Lab Result	**8.5**
188S/30W	Surficial	Lab Result	**17**
188S/30W	1.0'	Field Screening Result	ND
188S/5W	Surficial	Field Screening Result	**1.7**
188S/180E	Surficial	Field Screening Result	0.3
213S/34W	Surficial	Field Screening Result	0.2
213S/5W	Surficial	Lab Result	**7.7**
213S/20E	Surficial	Field Screening Result	**8.2**
213S/20E	1.0'	Field Screening Result	**1.2**
213S/45E	Surficial	Field Screening Result	ND
238S/20E	Surficial	Field Screening Result	**18**
238S/20E	1.0'	Field Screening Result	0.3
238S/45E	Surficial	Field Screening Result	**1.2**
238S/45E	1.0'	Field Screening Result	0.04
238S/70E	Surficial	Lab Result	**230**
238S/70E	1.0'	Field Screening Result	**5.8**
238S/70E	2.0'	Field Screening Result	0.1
238S/95E	Surficial	Field Screening Result	**1.2**
238S/95E	1.0'	Field Screening Result	0.5
235S/195E	Surficial	Field Screening Result	0.7

Notes: PCBs = Polychlorinated Biphenyls
mg/kg = milligrams per kilogram
Soil samples collected between October 6 and 19, 1998
***Bolded concentrations** = Exceedance of TSCA Unrestricted* Standard of 1 mg/kg or MCP Standard of 2 mg/kg.

Table 5-2 Soil Analytical Results - Metals and VOCs
Former Polymerine, Inc.
241 Duchaine Boulevard
New Bedford, Massachusetts

Analytical Test	Sample Identification	62N/30W	13S/30W	113S/5W	213S/5W	Method 1 Standards*	
	Sample Depth (feet BGS)	1.0'	2.0'	1.0'	Surficial		
Compound	Sample Date	10/7/1998	10/6/1998	10/6/1998	10/6/1998	S-1/GW-1/GW-2/GW-3	S-3/GW-1/GW-2/GW-3
VOCs - mg/kg	All VOCs	ND	ND	ND	ND	c/s	c/s
SVOCs - mg/kg	All SVOCs	--	ND	--	--	c/s	c/s
Total Metals - mg/kg	Barium	--	ND	ND	ND	1,000	5,000
	Cadmium	--	ND	ND	0.68	2	30
	Chromium	--	4.2	4.8	7.0	30	200
	Cobalt	--	ND	ND	ND	NS	NS
	Copper	--	ND	ND	8,300	NS	NS
	Lead	--	16	ND	24	300	300
	Manganese	--	85	110	350	NS	NS
	Nickel	--	ND	7.8	12	20	700
	Vanadium	--	18	9.6	44	600	1,000
	Zinc	--	ND	270	ND	2,500	5,000

Notes:
VOCs = Volatile Organic Compounds
SVOCs = Semi Volatile Organic Compounds
ND = Not Detected
mg/kg = milligrams per kilogram, which is equivalent to parts per million (ppm).
c/s = compounds specific
-- inidicates that the soil sample was not analyzed for the inidicated parameter
**The more stingent Method 1, Standard is presented in the table*

Table 5-3 Current PCB Concentrations in Soil
Former Polymerine, Inc.
241 Duchaine Boulevard
New Bedford, Massachusetts

Sample ID	Sample Date	Sample Depth (Inches BGS)	Total PCB Concentration (mg/kg)
CCDD 300-325	11/1/2000	12-15"	0.7
BBCC 300-325	11/2/2000	24"	**1.1**
BBCC 325-350	11/3/2000	30"	**3.5**
BBCC 350-375	12/12/2000	6-12"	0.66
AABB 300-325	11/1/2000	12-15"	**1.9**
AABB 325-350	11/1/2000	12-15"	**1.7**
AABB 350-375	12/12/2000	6-12"	0.81
AABB 375-400	12/12/2000	6-12"	0.90
AAA 300-325	11/3/2000	30"	< 0.5
AAA 325-350	11/3/2000	30"	< 0.5
AAA 350-375	12/12/2000	6-12"	0.63
AAA 375-400	12/12/2000	6-12"	**1.3**
AB 300-325	11/3/2000	30"	**1.1**
AB 325-350	11/3/2000	30"	< 0.5
BC 300-325	11/3/2000	30"	< 0.5
BC 325-350	11/1/2000	12-15"	**1.8**
CD 300-325	11/1/2000	12-15"	< 0.5
CD 325-350	11/3/2000	12-15"	**2.2**
AB 275-300	11/6/2000	12-15"	< 0.5
BC 275-300	11/3/2000	12-15"	< 0.6
CD 275-300	11/3/2000	12-15"	< 0.5
AB 250-275	11/7/2000	12-15"	< 0.5
BC 250-275	11/6/2000	18"	< 0.5
CD 250-275	11/8/2000	12-15"	< 0.5
AB 225-250	11/8/2000	12-15"	< 0.5
BC 225-250	11/9/2000	24"	< 0.5
AB 200-225	11/8/2000	12-15"	0.6
BC 200-225	11/8/2000	12-15"	0.6
CD 200-225	11/7/2000	12-15"	< 0.5
AB 175-200	11/8/2000	12-15"	0.8
BC 175-200	11/9/2000	24"	< 0.5
CD 175-200	11/7/2000	12-15"	< 0.5
AB 150-175	11/14/2000	12-15"	1.0
BC 150-175	11/14/2000	12-15"	< 0.5
CD 150-175	11/15/2000	12-15"	< 0.5
DE 150-175	11/15/2000	12-15"	< 0.5
AB 125-150	11/16/2000	12-15"	< 0.8
BC 125-150	11/16/2000	12-15"	**2.1**
CD 125-150	11/16/2000	12-15"	**1.9**
DE 125-150	11/15/2000	12-15"	< 0.5
AB 100-125	11/17/2000	24"	< 0.5
BC 100-125	11/17/2000	36"	**38.0**
CD 100-125	11/15/2000	12-15"	< 1.0
DE 100-125	11/15/2000	12-15"	< 0.5
AB 75-100	11/16/2000	24"	**1.4**
BC 75-100	3/12/2001	18-24"	**66**
CD 75-100	11/15/2000	12-15"	< 0.5
DE 75-100	11/15/2000	12-15"	< 0.5
AB 50-75	11/21/2000	60"	**1.6**
BC 50-75	3/12/2001	18-24"	**80**
CD 50-75	11/15/2000	12-15"	< 0.5
DE 50-75	11/15/2000	12-15"	< 0.5
AB 25-50 / BC 25-50	3/12/2001	18-24"	**230**
CD 25-50	11/16/2000	12-15"	< 0.5
DE 25-50	11/16/2000	12-15"	< 0.5
AB 00-25	1/11/2001	36"	**15**
BC 00-25	3/12/2001	18-24"	**17**
CD 00-25	1/11/2001	24"	**5.2**
DE 00-25	1/10/2001	24"	**9.5**
AB 00-(-25)	1/11/2001	36"	**2.9**
BC 00-(-25)	1/11/2001	24"	**1.0**
CD 00-(-25)	1/11/2001	24"	**4.4**
DE 00-(-25)	1/10/2001	24"	**6.3**
AB (-25)-(-50)	Uknown	12-15"	**6.8**
BC (-25)-(-50)	Uknown	12-15"	< 1.0
CD (-25)-(-50)	Uknown	12-15"	< 0.4
DE (-25)-(-50)	Uknown	12-15"	< 0.4
AB (-50)-(-75)	Uknown	12-15"	**1.8**
BC (-50)-(-75)	Uknown	12-15"	0.0
CD (-50)-(-75)	Uknown	12-15"	0.0
DE (-50)-(-75)	Uknown	12-15"	0.0
AB (-75)-(-100)	Uknown	12-15"	0.0
BC (-75)-(-100)	Uknown	12-15"	0.0
CD (-75)-(-100)	Uknown	12-15"	0.0
DE (-75)-(-100)	Uknown	12-15"	0.0
AB (-100)-(-125)	Uknown	12-15"	0.0
BC (-100)-(-125)	Uknown	12-15"	0.0
CD (-100)-(-125)	Uknown	12-15"	0.0
DE (-100)-(-125)	Uknown	12-15"	0.0

Notes: PCBs = Polychlorinated Biphenyls
mg/kg = milligrams per kilogram
< xx indicates that PCBs were not detected above the indicated detection limit
BGS = Below Ground Surface
***Bolded concentrations** = Exceedance of TSCA Unrestricted* Standard of 1 mg/kg or MCP Standard of 2 mg/kg.

Table 5-4 PCB Wipe Sampling Results
Former Polymerine, Inc.
241 Duchaine Boulevard
New Bedford, Massachusetts

Sample ID	Sample Location	Total PCB Concentration (ug/100 cm^2)
W01	NEP Conference Wall Floor	0.52
W02	NEP Reception Office Wall	0.25
W03	NEP Bathroom Door	1.7
W04	NEP Doorway Wall	2.2
W05	AWT Office Door	0.52
W06	AWT Reception Room Wall	0.19
W07	AWT Office Floor	1.9
W08	AWT Office Floor	1.7
W09	AWT Office Floor	1.8
W12	AWT Office Floor	2.5
W13	NEP Bathroom Floor	9.3
W14	NEP Hallway Floor	0.58
W15	NEP Storage Room Floor	4.2
W16	NEP Hallway Floor	1.1
W17	NEP Press Room Floor	5.3
W18	NEP Press Room Floor	11
W19	NEP Press Room Floor	8.9
W20	NEP Press Room Wall	0.76
W21	NEP Press Room Wall	0.93
W22	NEP Press Room Wall	0.44
W25	Tank Room Wall	0.74
W26	Tank Room Floor	6.4
W27	Tank Room Wall	0.56
W28	Tank Room Floor	2.7
W29	NEP Hydraulic Press	**23**
W30	NEP Hydraulic Press	3.5
W31	NEP Production Area Wall	1.1
W32	NEP Production Area Wall	1.1
W33	NEP Production Area Wall	0.88
W34	NEP Production Area Floor	0.96
W35	NEP Production Area Floor	1.3
W36	NEP Production Area Floor	2.7
W38	NEP Production Area Floor	1.4
W39	NEP Production Area Floor	1.2
W40	NEP Storage Area Floor	0.65
W41	NEP Storage Area Floor	3.2
W42	NEP Storage Area Wall	1.6
W43	NEP Storage Area Wall	1.1
W44	NEP Storage Area Floor	0.93
W45	NEP Storage Area Wall	6.3
W46	NEP Punch Press Wall	0.45
W47	NEP Punch Press	**64**
W48	NEP Production Area Floor	2.4
W49	NEP Production Area Floor	3.2
W50	NEP Production Area Wall	0.65

Notes: PCBs = Polychlorinated Biphenyls
ug/100 cm^2 = micrograms per 100 square centimeters
< xx indicates that PCBs were not detected above the indicated detection limit
Bolded Concentration *= Exceedance of TSCA High Occupancy Standard of 10 ug/100 cm2*

6.1 MIGRATION PATHWAYS AND EXPOSURE POTENTIAL

The potential for exposure to released compounds for each of the migration pathways identified in the Numerical Ranking System (NRS) Scoresheet has been evaluated. The data was used to calculate an NRS Score for Tier Classification of the site. A copy of the completed NRS Scoresheet and Tier II Compliance History (BWSC-107A and BWSC-107B, respectively) are provided in Appendix B.

6.1.1 Air Exposure Pathway

Residual contamination at the site consists mainly of PCBs, which are not generally considered volatile. Historically, low levels of VOCs have been detected in soil and groundwater, at concentrations below the Method 1, Risk Characterization Standards. An elevated concentration of TPH was previously detected in soil during Rizzo's Level II ESA performed in 1993. However, substantial excavation has been conducted at the site between April 2000 and March 2001 and therefore the historical TPH concentration is not representative of current soil conditions. Additionally, as part of delineation activities conducted by Paragon in 1998, 76 surficial soil samples were screened for TVOV with a PID, with field screening results indicating the highest TVOV reading of 13.1 ppmv. Therefore, there is minimal potential for air to serve as a potential exposure pathway. This pathway will be further evaluated as part of the Phase II CSA activities to be conducted at the site.

6.1.2 Soil Exposure Pathway

Post excavation confirmatory soil sample results indicated that the residual PCB concentrations remained above the Method 1, Standards in 15 samples of the 79 samples. The residual PCB concentrations are typically present at depths ranging from two to three feet BGS in unpaved areas and therefore are considered accessible. Access to the site is not restricted. The disposal site is not currently used to grow produce for human consumption. Since site access is not restricted and the impacted soil is considered accessible, a potential exposure pathway for soil exists.

6.1.3 Groundwater Exposure Pathway

Portions of the disposal site are located within the geographic boundaries of a PPA and therefore portions of site groundwater is considered a potential drinking water source area. According to the New Bedford Department of Public Works and Health Department, the site and surrounding properties are services with municipal water and there are no potable wells located within 500 feet of the disposal site. Additionally laboratory analytical results for groundwater samples collected during Rizzo's 1993 Level II ESA indicated that no compounds were detected above the Method 1, Standards. Therefore, there is no current potential for groundwater to serve as an exposure pathway for human receptors at the site. This pathway will be further evaluated as part of the Phase II CSA activities to be conducted at the site.

6.1.4 Surface Water Exposure Pathway

The closest surface water bodies are located approximately 1,750 feet south (Black Pond) and west (an unnamed pond and associated stream) of the disposal site. Wetlands also exist to the west of the site. Laboratory analytical results for groundwater samples collected during Rizzo's 1993 Level II ESA indicated that no compounds were detected above the Method 1, GW-3 Standard. Therefore, there are no potential exposure pathways to surface water.

6.2 HUMAN EXPOSURE POTENTIAL

The potential for human exposure via inhalation, dermal contact and ingestion from environmental exposures is discussed in this section.

Soils at the site are considered accessible as outlined above. According to laboratory analytical data, PCB concentrations have been detected above applicable Method 1, S-2 Risk Characterization Standards.

Children's frequency and intensity of use are considered low at the site, while adult's frequency of use is considered high but intensity of use is considered low. Normal activities that occur at the site are passive in nature (i.e. walking) and do not have the potential to disturb subsurface site soil. Thus, regular site activities do not result in either direct contact with site soil itself or inhalation of soil-derived dusts.

Groundwater in the vicinity of the site is not utilized as a potable water supply, therefore, the potential ingestion of groundwater contamination in the form of drinking water is considered low.

The site is currently developed with an occupied structure (an industrial building), the current disposal site is located within 30 feet of the structure and the average annual depth to groundwater is less than 15 feet BGS. Soil and groundwater assessment conducted at the site, indicated the VOCs were detected at concentrations that did not exceed their respective Method 1, Risk Characterization Standards. Additionally, field screening results indicated that the highest TVOV reading in soil was 13.1 ppmv. Therefore, inhalation of contaminants associated with the disposal site into indoor air is unlikely.

6.3 ECOLOGICAL EXPOSURE POTENTIAL

The following resource areas are identified by the MassGIS (Figure 2) as being located within a one-half mile radius:

- Protected and Recreational Open Space
- Fresh Water Non-Forested Wetlands, including Hobomock Swamp
- NHESP Priority Habitat for Rare Species
- NHESP Estimated Habitat for Rare Wildlife

- NHESP Certified Vernal Pool
- Major Drainage Basin
- Black Pond

Fresh Water Non-Forested Wetlands associated with the Hobomock Swamp are located on the western portion of the site. Additionally, a certified vernal pool is located adjacent to the western property boundary (approximately 600 feet west of the disposal site). Based previous soil and sediment assessment data, the potential exists that abutting fresh water wetlands have been impacted by the release and therefore will be further evaluated as part of Phase II activities.

Based on the distance and location of the remaining resource areas relative to the disposal site, there is a low potential for exposures to ecological receptors and natural resources from this release..

7.1 EVALUATION OF NEED FOR IMMEDIATE RESPONSE ACTIONS

In accordance with 310 CMR 40.0412, an Immediate Response Action (IRA) is required for sites where a release requires a "two-hour" or "72 hour" release notification, a Substantial Release Migration has been identified, or where accelerated response actions are necessary. Based on data reviewed to date, these conditions have not been identified.

During supplemental Phase II activities, particular focus will be given to the IRA condition that may be triggered for PCBs present in surface soils above 10 mg/kg.

Tighe & Bond, Inc. has completed a *Phase I Initial Site Investigation* for the release site identified as the former Polymerine facility, located at 241 Duchaine Boulevard, New Bedford, Massachusetts. This Phase I study has been conducted in accordance with the MCP, 310 CMR 40.0480.

The 2001 confirmatory soil sampling results identified two areas where the residual PCB contamination remains above either, the Method 1, Risk Characterization Standards and/or TSCA's Risk Based Standard for high occupancy:

1. 14 grids located on the northwest portion of the site; and
2. 9 grids located on the south-southwest portion of the site

Since the previous soil sampling focused mainly on PCBs, the extent of the elevated petroleum concentration previously detected at the site may require additional delineation. It is likely that petroleum impacts to soil were consistent with the presence of PCBs in soil.

Potential impacts from a former UST present at the site have not been evaluated. Additionally, impacts to soil located beneath the current building resulting from manufacturing processes have not been evaluated to date. Therefore, these potential source areas will be addressed as part of the proposed Phase II CSA activities.

Groundwater has not been adequately evaluated and, therefore, will be addressed as part of the Phase II CSA activities.

Although not largely regulated by the MCP, interior PCB impacts to building materials will also be further evaluated for compliance with TSCA.

8.1 DATA GAPS

Data gaps identified during this Phase I ESA included:

- Information pertaining to historical usage, storage and disposal of OHM at the site was not available for review.
- Information pertaining to UST closure activities at the site, including the integrity of the tank upon removal and confirmatory soil and groundwater samples, was not available for review.
- Tighe & Bond was unable to confirm the integrity of the concrete pit located beneath the western portion of the site building.
- Tighe & Bond was unable to access the room containing the three ASTs and therefore could not determine if the ASTs were empty or the contents stored within the ASTs.

- Tighe & Bond could not locate a copy of Rizzo's Level II ESA that has been referenced in other environmental reports and therefore could not determine the location of the elevated TPH concentrations previously detected at the site.
- Groundwater quality documentation at the site will also require additional characterization to better understand potential impacts to groundwater.

These data gaps will be addressed as part of the proposed Phase II CSA activities to be conducted at the site.

8.2 PUBLIC NOTIFICATION REQUIREMENTS

In accordance with the Public Notification requirements of the MCP at 310 CMR 40.1403(3)(f), the City of New Bedford Mayor's Office and Health Department have been notified of the availability of this Phase I Report. A copy of the public advertisement, *Notice of an Initial Site Investigation and Tier II Classification*, for the site is also attached to the notification letter. Copies of the public notification letter and public advertisement are included in Appendix D. The public advertisement will be published in the April 21, 2008 edition of the New Bedford Standard Times.

9.1 SCOPE AND APPLICABILITY

In accordance with 310 CMR 40.0500, all sites for which DEP has received a notification of a release of OHM pursuant to 310 CMR 40.0300 shall be classified as either a Tier I or Tier II disposal site within one year of notification or as otherwise specified by DEP. The Tier Classification process consists of:

- A Phase I Report (310 CMR 40.0480)
- A NRS Scoresheet (310 CMR 40.1500)
- A comparison of conditions at the site with Tier I Inclusionary Criteria [310 CMR 40.0520(2)]
- The preparation and filing with DEP of a Tier Classification submittal [310 CMR 40.0510(2)]

9.2 NRS SITE SCORING

Pursuant to 310 CMR 40.0520(1)(a), the site must be ranked using the NRS Scoresheet (310 CMR 40.1500). Tighe & Bond has ranked the site using the data and information presented in the preceding sections. The data and information were also compared to the Tier I Inclusionary Criteria. Specifically, sites that are located within an Interim Wellhead Protection Area (IWPA) or Zone II and exhibit groundwater contamination above RCGW-1 limits or sites where an Imminent Hazard exists at the time of Tier Classification are automatically classified as Tier I sites. Given that the site is not located within an IWPA or Zone II and that an Imminent Hazard is not present at the site, the Tier I Inclusionary Criteria do not apply to this site. The site, therefore, is classified according to the NRS cut-off scores as presented in 310 CMR 40.0520(3). A copy of the NRS Scoresheet (BWSC107A) is provided in Appendix B.

Conservative assumptions were made during the site scoring process and no mitigating site-specific conditions were used to amend the site score.

The purpose of this Phase I report is to summarize previous site investigations and remediation activities, to provide data for preparing a Tier Classification and to evaluate the potential need for Comprehensive Response Actions at the site. Soil and contamination has been identified at the site at concentrations exceeding the applicable RCs and Method 1 Risk Characterization Standards. Groundwater impacts appear to be limited. A NRS Scoresheet has been completed for the site and a Tier Classification Form for submittal to DEP has been prepared in conjunction with this Phase I Initial Site Investigation. An NRS score of 326 points was calculated for the site. Copies of the NRS Scoresheet and MCP submittal forms are included in Appendix B. As a result of this investigation, the site is classified as a Tier II Disposal Site.

10.1 SCOPE AND NATURE OF PHASE II ACTIVITIES

10.1.1 Characterization of Source, Extent and Migration Pathways of Oil and/or Hazardous Material

The source of the release has been identified during this Phase I Initial Site Investigation. However, the horizontal and vertical extents of contamination have not been fully delineated. Migration pathways including soil, groundwater, and potentially surface water will be further evaluated as part of the Phase II. Phase II activities will include the collection of soil samples, the installation and sampling of groundwater monitoring wells, sampling is surface water in the wetland, and characterization of impacts to building materials to evaluate TSCA compliance.

10.1.2 Phase II Scope of Work – Exterior Investigation

Based on the post excavation confirmatory soil sample results and the previous reports, the following areas requiring additional delineation were identified.

- Area 1 consists of 14 grids located on the northwest portion of the site
- Area 2 consists of 9 grids located on the south-southwest portion of the site
- The former UST located to the north of the existing building
- Soil located beneath the existing building
- Groundwater quality across the site
- Wetland sediment
- Surface water quality within the abutting wetland.
- Building materials for impact by PCBs

The vertical and horizontal extents of contamination have not defined and, therefore, additional assessment activities are required to comply with the requirements of the MCP. The Phase II activities include the advancement of soil borings, installation of groundwater monitoring wells and laboratory analysis of soil and groundwater samples. The Phase II activities to address each area of concern (AOC) are outlined in the following sections. .

10.1.2.1 Northwestern Portion of Site

To further evaluate the horizontal and vertical extent of soil contamination, a sampling grid, consisting of 10 foot by 10 foot cells (to comply with TSCA sampling requirements), will be overlain on the northwestern portion of the site and soil samples will be collected from the center of each grid in accordance with §761.265 of TSCA. The purpose of the soil sampling is to delineate the extent of residual PCB contamination to less than 1 mg/kg to satisfy TSCA requirements. Based on existing confirmatory sample results, the soil borings will be advanced to a maximum depth of 8 feet BGS. Soil samples will be

collected continuously from each soil boring and field screened for the presence of TPH using a Dexsil Petroflag analysis (Dexsil) kit and total volatile organic vapors (TVOV) using a photo-ionization detector (PID). Select soil samples collected from each boring will be submitted to a Massachusetts-certified environmental laboratory for PCB analysis. Additionally, to address the data gaps, select soil samples will also be submitted for extractable and volatile petroleum hydrocarbons (EPH/VPH) with target analytes, heavy metals and/or volatile organic compound (VOC) analysis. Based on confirmatory sampling results, it is anticipated that 50 soil borings will be advanced in this area.

10.1.2.2 Southern Portion of Site

To determine the horizontal and vertical extent of contamination, soil sampling will be conducted following the same procedures as described above. Based on confirmatory sampling results, it is anticipated that 35 soil borings will be advanced in this area.

10.1.2.3 Former UST

To evaluate potential impacts from the former UST, 5 soil borings will be advanced within the former UST area. Soil borings will be advanced to approximately 15 feet below grade. Soil samples will be collected continuously from each soil boring and field screened for the presence of TPH using a Dexsil kit and TVOV using a PID. Based on field screening results, select soil samples will be submitted to a Massachusetts-certified environmental laboratory for EPH and VPH analyses with target analytes.

10.1.2.4 Soils Beneath Existing Structure

To evaluate potential soil impacts resulting from the oil staining observed on the concrete floors adjacent to the mechanical equipment, up to 20 soil borings within the interior areas of the building. The soil borings will be advanced adjacent to oil-filled mechanical equipment, in areas with oil staining was observed and in areas where concrete patches were observed. The soil borings will be advanced to 2 to 4 feet below the concrete floor and soil samples will be submitted to a Massachusetts-certified environmental laboratory for PCBs analysis. Additionally, select soil samples may also be submitted for EPH and/or VPH, VOC and/or metals analysis. A Proposed Interior Sampling Plan (Figure 5) showing the interior areas requiring additional investigation is included in Appendix A.

10.1.2.5 Groundwater Assessment Activities

To evaluate potential impacts to groundwater, up to four groundwater monitoring wells will be installed at the site. The monitoring wells will be installed by a Massachusetts licensed well driller to a maximum depth of 10 to 15 feet BGS. Two Monitoring wells will be installed within the footprint of the existing building and two wells will be installed within exterior PCB impacted soil areas.

Groundwater samples will be collected from each well in accordance United States Environmental Protection Agency (USEPA) Low Stress (or Low-Flow) Purging and Sampling Procedure. Groundwater samples will be submitted to a Massachusetts-certified laboratory for PCB, EPH and VPH with target analytes, dissolved metals and/or VOC analyses.

It should be noted that during our April 20, 2007 two groundwater monitoring wells (one in the southern portion of the site and one on the eastern portion of the site) were observed. If these monitoring wells are determined to be suitable, then these monitoring wells will be sampled and replacement monitoring wells will not be installed.

10.1.2.6 Sediment and Surface Water

As part of the assessment of PCB impacted soils, delineation activities will likely include areas of the abutting wetland, therefore sediment impacts will also be evaluated. Surface water from the wetland will also be sampled for PCBs.

10.1.2.7 Hydraulic Characteristics

Following the installation of the monitoring wells, an elevation survey will be conducted. Elevations will be surveyed relative to a benchmark in the field and the elevations of the top of the PVC riser pipes will be surveyed relative to this benchmark elevation. The survey data will be used to calculate the groundwater flow direction and hydraulic gradient at the site.

10.1.3 Interior Building Materials Investigation

To satisfy TSCA requirements and to evaluate the extent of any necessary building remediation, the following activities will be conducted as part of the proposed Phase II CSA activities.

10.1.3.1 PCB Wipe and Concrete Dust Sampling

Previous environmental reports identified (Rizzo Associates August 1993 and Roy F. Weston, Inc. November 2001) identified PCB concentrations greater TSCA decontamination standard of 10 μg/100 cm^2. Additionally, during our April 20, 2007 reconnaissance visit, oil staining was observed on walls throughout the portions of the building, on oil-filled mechanical equipment and on the concrete floors adjacent to the abandoned mechanical equipment. Tighe & Bond will collect up to 15 wipe samples from non-porous surfaces (i.e., steel, floor tile). The wipe samples will be submitted to Massachusetts-certified laboratory for PCB analysis.

Previous concrete samples collected from the boiler room (3 samples) and the main room (1 sample) in February 2001 revealed elevated PCB concentrations in the four samples. To further delineate the extent of PCB impacts to concrete, Tighe & Bond will collect up to 50 additional concrete and masonry wall dust samples from floors and walls. Samples will be collected in accordance with EPA guidance on concrete sampling. The concrete samples will be collected in areas where visual staining has been observed and areas where elevated concentrations have been previously detected. The concrete samples will be submitted to Massachusetts-certified laboratory for PCB analysis.

10.1.4 Implementation Schedule and Phase II Costs

The following preliminary schedule is proposed for performing the above-described Phase II activities.

- Soil boring and monitoring well installation — April - May 2008
- Monitoring well sampling — May 2008
-
- Interior Assessment — April – June 2008
- Submit Phase II CSA — June - July 2008

The estimated costs for the completion of the above referenced Phase II CSA activities are between $65,000 and $75,000.

10.2 LSP OPINION

The material facts, data and other information in support of this MCP Phase I Completion Statement and Phase II Scope of Work are summarized throughout this report. The LSP Opinion is that the Phase I Completion Statement and Phase II Scope of Work were completed in accordance with 310 CMR 40.0000. Reference is also made to the LSP Opinions included in Section C of Transmittal Form BWSC-108.

1:25,000

0 2,000

Feet

Based on USGS Topographic Map for
New Bedford North, MA Quadrangle. Revised 1979
Circles indicate 500-foot and half-mile radii

FIGURE 1
SITE LOCUS MAP

Former Polyply
241 Duchaine Blvd
New Bedford, MA

Tighe&Bond

December 2007

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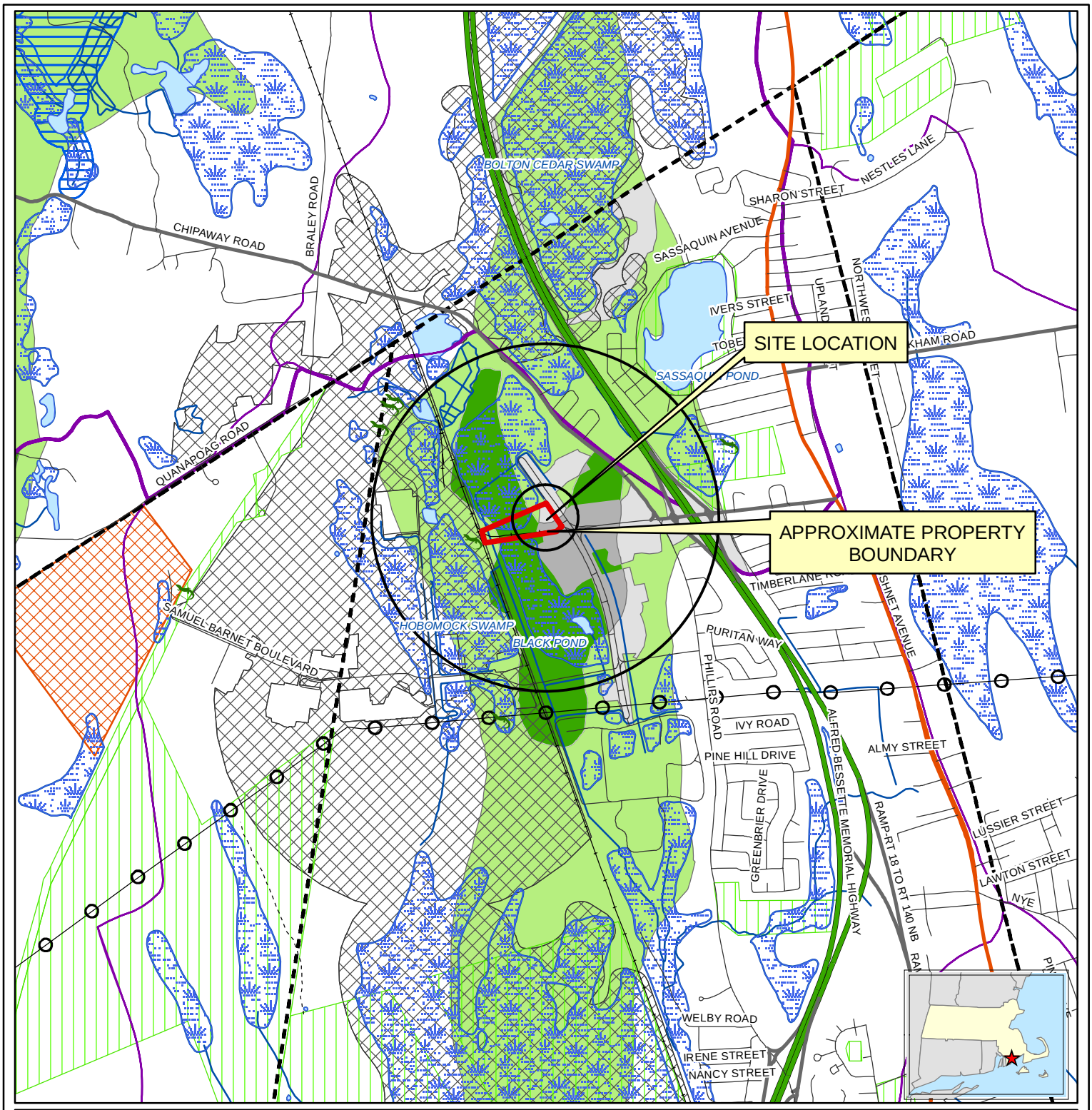


NHESP Certified Vernal Pools
Community Public Water Supply - Surface Water
Community Public Water Supply - Groundwater
Non-Community Non-Transient Public Water Supply
Non-Community Transient Public Water Supply
Non-Potential Drinking Water Source Area - High Yield
Non-Potential Drinking Water Source Area - Medium Yield
Potentially Productive Medium Yield Aquifer
Potentially Productive High Yield Aquifer
EPA Designated Sole Source Aquifer
DEP Approved Wellhead Protection Area (Zone II)
DEP Interim Wellhead Protection Area (IWPA)
NHESP Priority Habitats for Rare Species
NHESP Estimated Habitats for Rare Wildlife
Public Surface Water Supply Protection Area (Zone A)
Protected and Recreational Open Space
Area of Critical Environmental Concern (ACEC)
Solid Waste Landfill

Public Surface Water Supply (PSWS)
Fresh Water Non-Forested Wetland
Salt Water Wetland
Waterbodies
Major Drainage Basin
Sub Drainage Basin
Limited Access Highway
Multi-Lane Highway, NOT Limited Access
Other Numbered Highway
Major Road - Collector
Minor Street or Road
Town Boundary
County Boundary
Quad Sheet Boundary
Track or Trail
Train
Powerline
Pipeline
Aquaduct

1:25,000
0 2,000
Feet

FIGURE 2
PRIORITY RESOURCE MAP

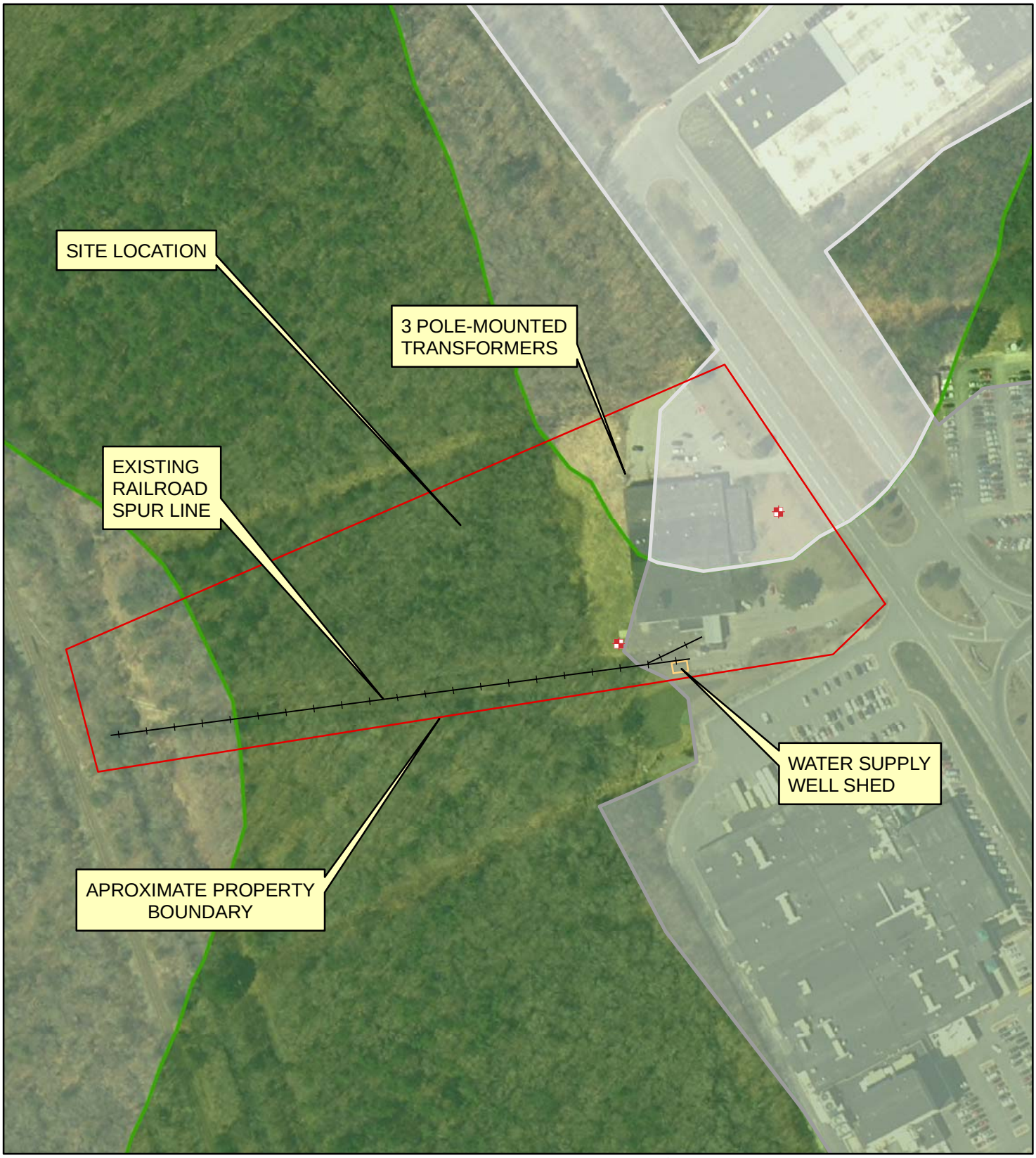
Former Polyply
241 Duchaine Blvd
New Bedford, MA

Tighe&Bond

December 2007

Data source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs.
Circles indicate 500-foot and half-mile radii.
Data valid as of October 2007.

G:\GIS\MA\SiteLocus\NewBedford\MassGIS_Duchaine.mxd J:\SiteLocus\NewBedford\MassGIS_Duchaine_111907.pdf



Existing Monitoring Well

Non-Potential Drinking Water Source Area - High Yield

Non-Potential Drinking Water Source Area - Medium Yield

Potentially Productive Medium Yield Aquifer

Potentially Productive High Yield Aquifer

Aproximate Property Boundary

Based on MassGIS Color Orthophotography (April 2005)
Orthophoto Sheet ID # 249830 & 245830
Data valid as of February 2008 by MassGIS

1:2400

0 200

Feet

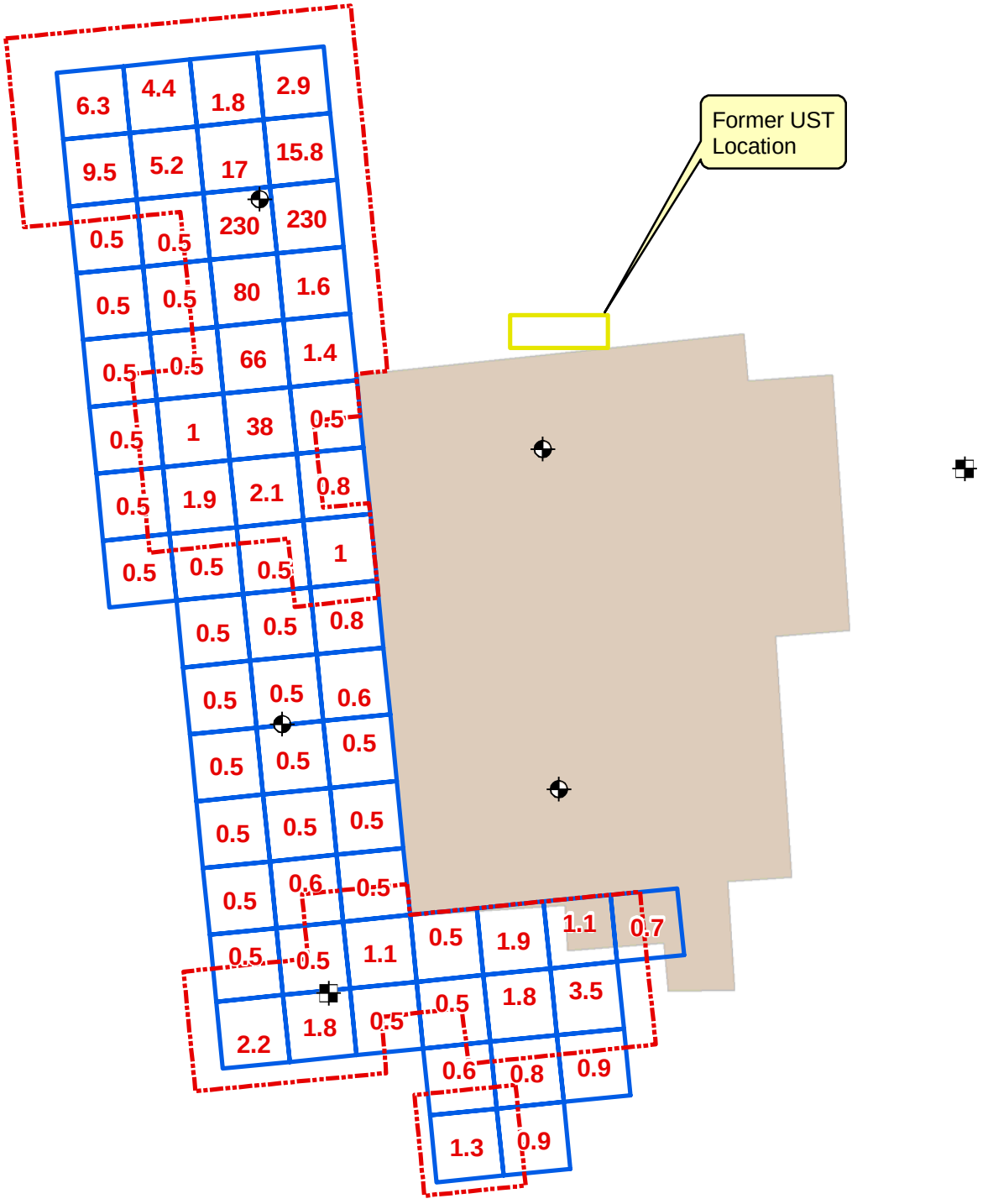
N W E S

FIGURE 3
ORTHOPHOTOGRAPH

Former Polyply
241 Duchaine Blvd
New Bedford, MA

Tighe&Bond

March 2008



Legend

- Proposed Monitoring Well
- Existing Monitoring Well
- Proposed investigation limits for PCBs
- Former '25x25' investigation/cleanup grid by EPA
- Former UST Location
- X.X PCB concentration in mg/kg (ppm)

0 1:720 60

Feet

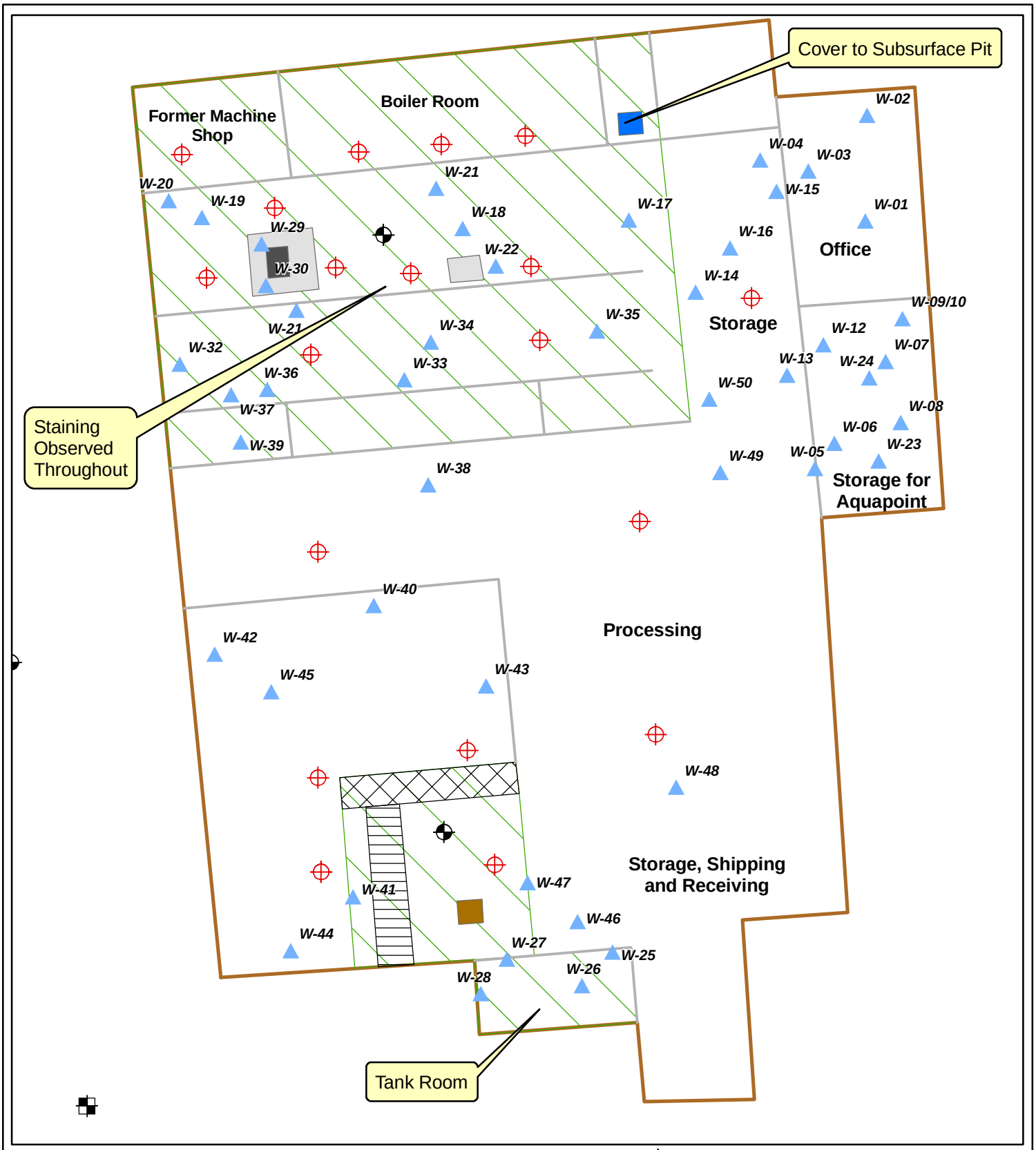
Based on MassGIS Color Orthophotography (April 2005)
Orthophoto Sheet ID # 249830

FIGURE 4 - PCB IMPACT PLAN

Former Polyply Facility
241 Duchaine Boulevard
New Bedford, MA

Tighe&Bond

March 2008



Legend

- Existing Monitoring Well
- Existing PCB Wipe Sample
- Proposed Monitoring Well
- Proposed Soil Boring
- Interior Wall
- Building
- Concrete
- Floor Grate
- Hydraulic Press
- Punch Press
- Trench
- Evaluation Area

Sample locations are approximate

0 1:360 30

Feet

N W E S

FIGURE 5 - Proposed Interior Sampling Plan

Former Polyply Facility
241 Duchaine Boulevard
New Bedford, MA

Tighe&Bond

March 2008

G:\GIS\MA\NewBedford\DuchaineBoulevard_Figure5.mxd G:\GIS\MA\NewBedford\DuchaineBoulevard_Figure5.pdf W-38391-01

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107

TIER CLASSIFICATION TRANSMITTAL FORM

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number
4 - 1347

A. DISPOSAL SITE LOCATION:

1. Disposal Site Name: Former Polymerine

2. Street Address: 241 Duchaine Blvd

3. City/Town: New Bedford 4. ZIP Code: 02745-1209

B. THIS FORM IS BEING USED TO: (check all that apply)

☐ 1. Submit a new **Tier Classification Submittal for a Tier I Site,** including a **Numerical Ranking Scoresheet** (BWSC107A) (check one). A Tier I Permit Application must also be submitted.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC

☑ 2. Submit a new **Tier Classification Submittal for a Tier II Site**, including the **Numerical Ranking Scoresheet** (BWSC107A) and the **Tier II Compliance History** (BWSC107B).

☑ 3. Submit a **Phase I Completion Statement** as per 310 CMR 40.0480.

If previously submitted, provide date _____ mm/dd/yyyy

☑ 4. Submit a **Phase II Scope of Work** as per 310 CMR 40.0834.

If previously submitted, provide date _____ mm/dd/yyyy

☐ 5. Submit a **Phase II Conceptual Scope of Work supporting a Tier Classification Submittal.**

☐ 6. Submit a **Tier II Extension Submittal** for Response Actions at a Tier II Site including the **Tier II Compliance History** (BWSC107B).

☐ 7. Submit a **Tier II Transfer Submittal** for a change in person(s) undertaking Response Actions at a Tier II Site including the **Tier II Compliance History** (BWSC107B) and the **Tier II Transferor Certification** (BWSC107C).

Proposed effective date of transfer : _____ mm/dd/yyyy

☐ 8. Submit a **Revised Tier Classification Submittal,** including a **Numerical Ranking Scoresheet** (BWSC107A). A Major Permit Modification may also need to be submitted.

If this revised submittal is re-classifying the site check the new classification.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

☐ 9. Submit a **Notice that an additional Release Tracking Number(s) is (are) being linked to this Tier Classified Site** (Primary RTN). Future response actions addressing the Release or Threat of Release notification condition associated with additional Release Tracking Numbers (RTNs) will be conducted as part of the Response Actions planned or ongoing at the Primary Site listed above. For a previously Tier Classified Primary Site, if there is a reasonable likelihood that the addition of the new secondary RTN(s) would change the classification of the site, a **Revised Tier Classification Submittal** must also be made.

Provide Release Tracking Number(s): a. ☐ - _____ b. ☐ - _____

All future Response Actions must occur according to the deadlines applicable to the Primary RTN. Use only the Primary RTN when making future submittals for this site unless specifically relating to response actions started before the linking occurred.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107

Release Tracking Number
4 - 1347

TIER CLASSIFICATION TRANSMITTAL FORM
Pursuant to 310 CMR 40.0500 (Subpart E)

C. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> *if Section B of this form indicates that a* ***Tier I or Tier II Classification Submittal*** *including the* ***Numerical Ranking System Scoresheet*** *is being submitted*, this Tier Classification Submittal has been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B of this form indicates that a* ***Phase I Completion Statement*** *is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B of this form indicates that a* ***Phase II Scope of Work*** *is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B of this form indicates that a* ***Tier II Extension Submittal*** *or a* ***Tier II Transfer Submittal*** *is being submitted*, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 5211

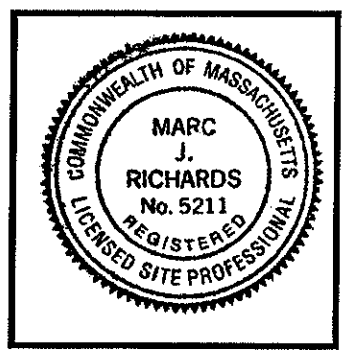
2. First Name: Marc 3. Last Name: Richards

4. Telephone: (508) 471-9621 5. Ext.: _____ 6. FAX: (508) 795-1087

7. Signature: _____

8. Date: 4-16-08
mm/dd/yyyy

9. LSP Stamp:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107

TIER CLASSIFICATION TRANSMITTAL FORM
Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number
4 - 1347

D. PERSON MAKING SUBMITTAL:

1. Check all that apply: ☑ a. change in contact name ☑ b. change of address ☑ c. change in the person undertaking response actions

2. Name of Organization: City of New Bedford, Department of Environmental Stewardship

3. Contact First Name: Scott 4. Last Name: Alfonse

5. Street: 133 William Street, Room 311 6. Title: Director

7. City/Town: New Bedford 8. State: MA 9. ZIP Code: 02740-6113

10. Telephone: (508) 991-6188 11. Ext.: 12. FAX: (508) 961-3045

E. RELATIONSHIP OF PERSON MAKING SUBMITTAL TO DISPOSAL SITE:

☐ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☐ e. Other RP or PRP Specify:

☑ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Making Submittal Specify Relationship:

F. REQUIRED ATTACHMENT AND SUBMITTALS:

☐ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☑ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.

☑ 3. Check here to certify that a Legal Notice of a Tier Classification or Re-classification Submittal has been or will be made according to 310 CMR 40.1403, and a copy of the notice sent to DEP, the Chief Municipal Officer and the Local Board of Health.

☐ 4. For a Tier II Extension Submittal, check here to certify that a statement summarizing why a Permanent or Temporary Solution has not been achieved at the Disposal Site is attached.

☐ 5. For a Tier II Transfer Submittal, check here to certify that a statement summarizing the reasons for the proposed change in person(s) undertaking the Response Actions is attached. All Response Actions must be completed by the deadline applicable to the person who first filed either a Tier Classification Submittal for the Disposal Site or received a Waiver of Approvals.

☐ 6. Check here if any non-updatable information provided on this form is incorrect, e.g., Site Name or Street Address. Send corrections to the DEP Regional Office.

☑ 7. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107

Release Tracking Number
4 - 1347

TIER CLASSIFICATION TRANSMITTAL FORM
Pursuant to 310 CMR 40.0500 (Subpart E)

G. CERTIFICATION OF PERSON MAKING SUBMITTAL:

1. I, Scott Alfonse, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

If submitting a Tier II Classification, Extension or Transfer, I also attest under the pains and penalties of perjury that (i) I/the person(s) or entity(ies) on whose behalf this submittal is made has/have personally examined and am/is familiar with the requirements of M.G.L. c. 21E and 310 CMR 40.0000; (ii) based upon my inquiry of the/those Licensed Site Professional(s) employed or engaged to render Professional Services for the disposal site which is the subject of this Transmittal Form and of the person(s) or entity(ies) on whose behalf this submittal is made, and my/that person's(s') or entity's(ies') understanding as to the estimated costs of necessary response actions, that/those person(s) or entity(ies) has/have the technical, financial and legal ability to proceed with response actions for such site in accordance with M.G.L. c. 21E, 310 CMR 40.0000 and other applicable requirements; and (iii) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is aware of the requirements in 310 CMR 40.0172 for notifying the Department in the event that I/the person(s) or entity(ies) on whose behalf this submittal is made learn(s) that it/they is/are unable to proceed with the necessary response actions.

2. By: _____ (Signature) 3. Title: Director

4. For: City of New Bedford, Department of Environmental Stewardship (Name of person or entity recorded in Section D) 5. Date: 04/10/2008 (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. FAX: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO $10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY):

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107A

NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number
4 - 1347

A. NRS SCORESHEET SUMMARY SECTION:

1. Classification Submittal: (check one) ☑ a. Initial NRS Score ☐ b. Revised NRS Score

2. Disposal Site Score:

II	III	IV	V	VI	Total
100	106	35	55	0	296

3. Disposal Site Classification: (check one)

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☑ d. Tier II

B. DISPOSAL SITE INFORMATION (NRS SECTION I):

1. UTM Coordinates: a. UTM N: 4621222 b. UTM E: 337211

2. Check which, if any, of the Tier I inclusionary criteria are met by the Disposal Site, pursuant to 310 CMR 40.0520(2):

☐ a. Groundwater is located within an Interim Wellhead Protection Area or a Zone II, and there is evidence of groundwater contamination by an Oil or Hazardous Material at the time of Tier Classification at concentrations equal to or exceeding the applicable RCGW-1 Reportable Concentration set forth in 310 CMR 40.0360.

☐ b. An Imminent Hazard is present at the time of Tier Classification.

C. EXPOSURE PATHWAYS (NRS SECTION II):

1. Exposure Pathways, and Oil and Hazardous Material (OHM) Sources:

For A. through D., score according to 310 CMR 40.1512 - Exposure Pathway Designation Criteria and NRS Table II.
For E., score using NRS Table II.E.

	Score
A. Soil (includes sediment)	100
B. Groundwater	0
C. Surface Water (includes wetlands)	0
D. Air	0
E. Number of OHM Sources	0
Total NRS Section II Score (15 - 700)	100

2. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☑ b. No

3. Summary Rationale for Exposure Pathway Values, A. through D., and Phase I Report References:

A:) Residual soil is located at depths less than 3 feet BGS in an ares that is unpaved and not restricted, and therefore considered accessible, therefore a potential exposure pathway exists (Section 6.1.2).
B:) No compounds have been detected in groundwater above their Method 1, Standards (Section 6.1.3).
C:) No compounds have been detected in groundwater above their Method 1, GW-3 Standard (Section 6.1.4). PCBs are not expected to be in surface water.
D:) Residual contamination (metals and PCBs) is not volatile and VOCs have not been detected in soil and only low levels have been detected in groundwater (Section 6.1.1).

D. DISPOSAL SITE CHARACTERISTICS (NRS SECTION III):

1. Oil and Hazardous Material (OHM) Toxicity Score (NRS Section III.A.):

a. List the Four Highest OHM Toxicity Scores from NRS Table III.A.:

OHM Scored	Concentration and Media	Toxicity Score (1 - 80)
PCBs	230 mg/kg in soil	30
Lead	24 mg/kg in soil	20
Cadmium	0.68 mg/kg in soil	20
Chromium, Total	7.0 mg/kg in soil	20

b. Score using NRS Worksheet III.A.1. to determine the OHM Toxicity Score for OHM not listed in NRS Table III.A.:

OHM	Human Health-based Toxicity Value	Concentration (Soil - ug/g)	Concentration (Water - ug/l)	Toxicity Score
Copper	25	8300.000(		30
Acetone	8		200.0000	15
Manganese	25	350.0000		20
Vanadium	25	44.0000		10

c. Use the Highest OHM Toxicity Score from either NRS Table III.A. or Worksheet III.A.1.:

OHM Scored	Toxicity Score
PCBs in Soil	30

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107A

NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number: 4 - 1347

2. Multiple OHMs (NRS Section III.B.):

Was the Toxicity Score of more than one OHM greater than or equal to 30? ☑ a. Yes (30) ☐ b. No (0)

3. OHM Mobility and Persistence (NRS Section III.C.):

Score according to 310 CMR 40.1514 - OHM Mobility and Persistence

a. OHM Scored	b. Score (0 - 50)
Acetone	30

4. Disposal Site Hydrogeology (NRS Section III.D.):

Score according to 310 CMR 40.1515 - Soil Permeability, and NRS Table III.D.

Site Hydrogeology Score (2-20)
16

5. Total NRS Section III Score:

A.	B.	C.	D.	Total for Section III (3 - 180)
30	30	30	16	106

6. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☑ b. No

E. HUMAN POPULATION AND LAND USES (NRS SECTION IV):

1. Human Population (NRS Section IV.A.):

Score using NRS Table IV.A.

Residential Population within 1/2 Mile	Institutions within 500 Feet	On-site Workers	Population Score (0 - 40)
15	0	5	20

2. Aquifers (NRS Section IV.B.):

a. Sole Source Aquifer: ☐ i. Yes (25) ii. Name: _____ ☑ iii. No (0)

b. Potentially Productive Aquifer: ☑ i. Medium or High (15) ☐ ii. No (0)

3. Water Use (NRS Section IV.C.):

Score using NRS Table IV.C.

Proximity to Public Drinking Water Source	Persons Served by Public Drinking Water Supply	Private Water Supplies within 500 Feet	Alternate Public Water Supply Available	Water Use Score (0 -125)
0	0	0	0	0

4. Total NRS Section IV Score:

A.	B.	C.	Total for Section IV (0 - 205)
20	15	0	35

5. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☑ b. No

F. ECOLOGICAL POPULATION (NRS SECTION V):

1. Environmental Resource Areas (NRS Section V.A.): Score using NRS Table V.A.

Area of Critical Environmental Concern	Species of Special Concern, Threatened or Endangered Species Habitat	Wetlands, Certified Vernal Pool, or Outstanding Resource Water	Fish Habitat	Protected Open Space	Environmental Resource Area Score (0 - 150)
0	0	30	0	0	30

2. Environmental Toxicity Score (NRS Section V.B.):

Score only if Environmental Resource Area Score is greater than or equal to 30.

a. List the Three Highest Environmental Toxicity Scores from NRS Table V.B.:

OHM Scored	Concentration and Media	Toxicity Score (0 - 35)
PCBs	230 mg/kg in soil	25
Zinc	270 mg/kg in soil	10
Lead	24 mg/kg in soil	10

b. Score using NRS Worksheet V.B.1. to determine the Environmental Toxicity Score for OHM not listed in NRS Table V.B. See 310 CMR 40.1516 for Environmental Toxicity Values for each OHM.

OHM	Environmental Toxicity Value	Concentration (Soil - ug/g)	Concentration (Water - ug/l)	Environmental Toxicity Score
Acetone	10		200.0000	5
Vanadium	20	44.0000		5
				0

c. Use the Highest Environmental Toxicity Score from either NRS Table V.B. or from Worksheet V.B.1.:

OHM Scored	Toxicity Score
PCBs	25

3. Total NRS Section V Score:

A.	B.	Total for Section V (0 - 185)
30	25	55

4. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☑ b. No

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107A

NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number
4 - 1347

G. MITIGATING DISPOSAL SITE -SPECIFIC CONDITIONS (NRS SECTION VI):

1. Disposal site-specific conditions that warrant amending the site score. Changes directly related to NRS Sections or Subsection scores may not reduce the score more than the relevant subsection value assigned for the disposal site in that subsection. Section VI must reference specific pages of the Phase I. Section VI may not exceed plus or minus 50 points and may be scored only in 5-point increments.

☐ 2. Check here if additional pages are provided in an attachment.

3. Disposal Site Amendment (Not to exceed plus or minus 50 points):

Total Score Section VI
0

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC107B

Release Tracking Number
4 - 1347

TIER II COMPLIANCE HISTORY
Pursuant to 310 CMR 40.0540 (Subpart E)

A. DISPOSAL SITE COMPLIANCE HISTORY SUMMARY:

☐ 1. Check here if a Tier II Compliance History of the person listed in BWSC107, Section D, was previously submitted, and there has been no change in that person's compliance history. If this box is checked, this section does not have to be completed.

2. List all permits or licenses that have been issued by the Department that are relevant to this Disposal Site:

Program	Permit Number	Permit Category	Facility ID
a. Air Quality	NA		
b. Hazardous Waste (M.G.L. c. 21C)	MAD980584361	SQG	MAD980584361
c. Solid Waste	NA		
d. Industrial Wastewater Management	NA		
e. Water Supply	NA		
f. Water Pollution Control/Surface Water	NA		
g. Water Pollution Control/Groundwater	NA		
h. Water Pollution Control/Sewer Connection	NA		
i. Wetland & Waterways	NA		

3. List all other Federal, state or local permits, licenses, certifications, registrations, variances, or approvals that are relevant to this Disposal Site:

Issuing Authority or Program, or Documentation Type	Identification Number	Date Issued mm/dd/yyyy
U.S. EPA Unilateral Administrative Consent Order	I-98-1042	06/23/1998

☐ 4. Check here to certify that, if needed, a statement further describing the Compliance History of this Disposal Site is attached.

This statement must describe the compliance history of the person or entity named in BWSC107, Section D with the following: (1) DEP regulations; and (2) other laws for the protection of health, safety, public welfare and the environment administered or enforced by any other government agency. Such a statement should identify information such as: (1) actions relevant to the Disposal Site taken by the Department to enforce its requirements including, but not limited to, a Notice of Noncompliance (NON), Notice of Intent to Assess Civil Administrative Penalty (PAN), Notice of Intent to Take Response Action (NORA), and an administrative enforcement order; (2) administrative consent orders; (3) judicial consent judgements; (4) similar administrative actions taken by other Federal, state or local agencies; (5) civil or criminal actions relevant to the Disposal Site brought on behalf of the DEP or other Federal, state, or local agencies; and (6) any additional relevant information. For each action identified, provide the following information: (1) name of the issuing authority, type of action, identification number and date issued; (2) description of noncompliance cited; (3) current status of the matter; and (4) final disposition, if any.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

Release Tracking Number: 4 - 1347

A. SITE LOCATION:

1. Site Name: Former Polymerine
2. Street Address: 241 Duchaine Blvd
3. City/Town: New Bedford 4. ZIP Code: 02745-1209
5. UTM Coordinates: a. UTM N: 4621222 b. UTM E: 337211
6. [X] Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.
   [ ] a. Tier IA [ ] b. Tier IB [ ] c. Tier IC [X] d. Tier II
7. If applicable, provide the Permit Number: _____

B. THIS FORM IS BEING USED TO: (check all that apply)

[X] 1. Submit a **Phase I Completion Statement**, pursuant to 310 CMR 40.0484.

[ ] 2. Submit a **Revised Phase I Completion Statement**, pursuant to 310 CMR 40.0484.

[X] 3. Submit a **Phase II Scope of Work**, pursuant to 310 CMR 40.0834.

[ ] 4. Submit an **interim Phase II Report**. This report does not satisfy the response action deadline requirements in 310 CMR 40.0500.

[ ] 5. Submit a **final Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.

[ ] 6. Submit a **Revised Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.

[ ] 7. Submit a **Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.

[ ] 8. Submit a **Revised Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.

[ ] 9. Submit a **Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.

[ ] 10. Submit a **Modified Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.

[ ] 11. Submit an **As-Built Construction Report**, pursuant to 310 CMR 40.0875.

[ ] 12. Submit a **Phase IV Status Report**, pursuant to 310 CMR 40.0877.

[ ] 13. Submit a **Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.

Specify the outcome of Phase IV activities: (check one)

[ ] a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Response Action Outcome.

[ ] b. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

[ ] c. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

[ ] d. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

(All sections of this transmittal form must be filled out unless otherwise noted above)

B. THIS FORM IS BEING USED TO (cont.): (check all that apply)

☐ 14. Submit a **Revised Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.

☐ 15. Submit a **Phase V Status Report**, pursuant to 310 CMR 40.0892.

☐ 16. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)

a. Type of Report: (check one) ☐ i. Initial Report ☐ ii. Interim Report ☐ iii. Final Report

b. Frequency of Submittal: (check all that apply)

☐ i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.

☐ ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.

☐ iii. A Remedial Monitoring Report(s) submitted concurrent with a Status Report.

c. Status of Site: (check one) ☐ i. Phase V ☐ ii. Remedy Operation Status ☐ iii. Class C RAO

d. Number of Remedial Systems and/or Monitoring Programs: _____

A separate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

☐ 17. Submit a **Remedy Operation Status**, pursuant to 310 CMR 40.0893.

☐ 18. Submit a **Status Report to maintain a Remedy Operation Status**, pursuant to 310 CMR 40.0893(2).

☐ 19. Submit a **Modification of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(5).

☐ 20. Submit a **Termination of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(6).

☐ 21. Submit a **Phase V Completion Statement**, pursuant to 310 CMR 40.0894.

Specify the outcome of Phase V activities: (check one)

☐ a. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement (BWSC104) will be submitted to DEP.

☐ b. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

☐ c. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and/or that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

☐ 22. Submit a **Revised Phase V Completion Statement**, pursuant to 310 CMR 40.0894.

☐ 23. Submit a **Post-Class C Response Action Outcome Status Report**, pursuant to 310 CMR 40.0898.

(All sections of this transmittal form must be filled out unless otherwise noted above)

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number: 4 - 1347

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

C. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> *if Section B indicates that a* ***Phase I, Phase II, Phase III, Phase IV or Phase V Completion Statement*** *is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B indicates that a* ***Phase II Scope of Work*** *or a* ***Phase IV Remedy Implementation Plan*** *is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B indicates that an* ***As-Built Construction Report, a Remedy Operation Status,a Phase IV, Phase V or Post-Class C RAO Status Report, a Status Report to Maintain a Remedy Operation Status*** *and/or a* ***Remedial Monitoring Report*** *is being submitted*, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 5211

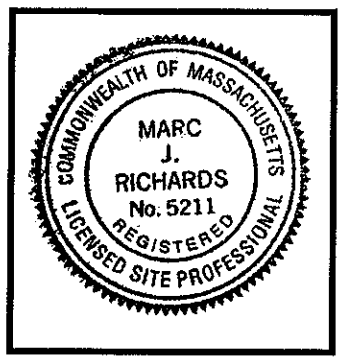
2. First Name: Marc 3. Last Name: Richards

4. Telephone: (508) 471-9621 5. Ext.: _____ 6. FAX: (508) 795-1087

7. Signature: _____

8. Date: 4-16-08 (mm/dd/yyyy)

9. LSP Stamp:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

Release Tracking Number: 4 - 1347

D. PERSON UNDERTAKING RESPONSE ACTIONS:

1. Check all that apply: [X] a. change in contact name [X] b. change of address [X] c. change in the person undertaking response actions

2. Name of Organization: City of New Bedford, Department of Environmental Stewardship

3. Contact First Name: Scott 4. Last Name: Alfonse

5. Street: 133 William Street, Room 311 6. Title: Director

7. City/Town: New Bedford 8. State: MA 9. ZIP Code: 02740-6113

10. Telephone: (508) 991-6188 11. Ext.: 12. FAX: (508) 961-3045

E. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RESPONSE ACTIONS:

[ ] 1. RP or PRP [ ] a. Owner [ ] b. Operator [ ] c. Generator [ ] d. Transporter

[ ] e. Other RP or PRP Specify:

[X] 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

[ ] 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

[ ] 4. Any Other Person Undertaking Response Actions Specify Relationship:

F. REQUIRED ATTACHMENT AND SUBMITTALS:

[ ] 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

[X] 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.

[ ] 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase III Remedial Action Plan.

[ ] 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase IV Remedy Implementation Plan.

[ ] 5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.

[ ] 6. If submitting a Modification of a Remedy Operation Status, check here to certify that a statement detailing the compliance history, as per 310 CMR 40.0893(5), for the person making this submittal is attached.

[ ] 7. If submitting a Modification of a Remedy Operation Status, check here to certify that written consent of the person who submitted the Remedy Operation Status submittal, as per 310 CMR 40.0893(5), is attached.

[ ] 8. Check here if any non-updatable information provided on this form is incorrect, e.g. Site Name. Send corrections to the DEP Regional Office.

[X] 9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC108

COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number: 4 - 1347

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:

1. I, Scott Alfonse, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: Scott Alfonse (Signature) 3. Title: Director

4. For: City of New Bedford, Department of Environmental Stewardship (Name of person or entity recorded in Section D) 5. Date: 04/10/2008 (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. FAX: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO $10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

Target Property:

241 DUCHAINE BLVD

NEW BEDFORD MA 02745

Job Number: W-3839

PREPARED FOR:

Tighe & Bond

4 Barlows Landing Road

Pocasset, MA 02559

10-22-07

Tel: (781) 551-0470 *Fax: (781) 551-0471*

Environmental FirstSearch
Site Information Report

Request Date:	10-22-07	**Search Type:**	COORD
Requestor Name:	Mike Martin	**Job Number:**	W-3839
Standard:	AAI	**Filtered Report**	

Target Site: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

Demographics

Sites: 30 **Non-Geocoded:** 0 **Population:** 3205

Radon: 0.5 - 1.8 PCI/L

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	-70.957216	-70:57:26	**Easting:**	337211.609
Latitude:	41.728064	41:43:41	**Northing:**	4621222.095
			Zone:	19

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

ZIP Code	City Name	ST	Dist/Dir	Sel
02717	EAST FREETOWN	MA	0.55 NW	Y
02743	ACUSHNET	MA	0.99 NE	Y
02747	NORTH DARTMOUTH	MA	0.49 NW	Y

Services:

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch
Search Summary Report

Target Site: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	09-10-07	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	09-10-07	0.50	0	0	0	0	-	0	0
CERCLIS	Y	07-18-07	0.50	0	0	0	0	-	0	0
NFRAP	Y	07-18-07	0.50	0	2	0	0	-	0	2
RCRA COR ACT	Y	06-06-06	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	06-06-06	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	06-06-06	0.25	1	1	1	-	-	0	3
Federal IC / EC	Y	07-17-07	0.50	0	0	0	0	-	0	0
ERNS	Y	12-31-06	0.25	0	3	0	-	-	0	3
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	0	0
State/Tribal Sites	Y	09-10-07	1.00	0	1	0	5	5	0	11
State Spills 90	Y	05-30-07	0.25	0	5	4	-	-	0	9
State/Tribal SWL	Y	07-01-06	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	05-30-07	0.50	0	0	0	1	-	0	1
State/Tribal UST/AST	Y	09-28-07	0.25	0	0	1	-	-	0	1
State/Tribal EC	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal IC	Y	11-14-06	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	11-14-06	0.50	0	0	0	0	-	0	0
State Other	Y	01-01-07	0.25	0	0	0	-	-	0	0
- TOTALS -				1	12	6	6	5	0	30

Notice of Disclaimer

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

Waiver of Liability

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

Environmental FirstSearch
Selected Sites Summary Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

TOTAL: 30 **GEOCODED:** 30 **NON GEOCODED:** 0 **SELECTED:** 30

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
1	NFRAP	POLYMERINE MAD980584361/NFRAP-N	241 DUCHAINE BOULEVARD NEW BEDFORD MA 02745	0.02 SE	1
1	SPILLS	PROPERTY S91-0216	241 DUCHAINE BLVD NEW BEDFORD MA 02745	0.02 SE	2
1	SPILLS	POLYMERINE INC 4-0001347/TIER1D	241 DUCHAINE BLVD NEW BEDFORD MA 02745	0.02 SE	3
1	RCRAGN	POLYMERINE MAD980584361/SGN	241 DUCHAINE BLVD NEW BEDFORD MA 02745	0.02 SE	4
1	STATE	POLYMERINE INC 4-0001347/TIER1D	241 DUCHAINE BLVD NEW BEDFORD MA 02745	0.02 SE	6
2	SPILLS	WHITE ROCK SODA INC S91-0561	DUCHAINE BLVD INDUSTRIAL NEW BEDFORD MA 02745	0.04 NE	7
2	SPILLS	WHITE ROCK INC S90-0239	DUCHAINE BLVD NEW BEDFORD MA 02745	0.04 NE	8
2	ERNS	CHEMLAWN 157492/HIGHWAY RELATED	IN FRONT OF WHITEROCK INC O NEW BEDFORD MA 02745	0.04 NE	9
3	ERNS	H21015B/FIX FAC	DUCHESME AVE NEW BEDFORD MA 02745	0.07 SE	10
3	ERNS	H21015A/FIX FAC	DUCHAINE NEW BEDFORD MA 02745	0.07 SE	10
4	NFRAP	ALBEROX CORP MAD001061001/NFRAP-N	225 THEODORE RICE BLVD IND NEW BEDFORD MA 02745	0.10 SE	11
4	RCRAGN	MORGAN ADVANCED CERAMICS MAD001061001/LGN	225 THEODORE RICE BLVD NEW BEDFORD MA 02745	0.10 SE	12
4	SPILLS	ALBEROX CORP 4-0000116/WCSPRM	225 THEODORE RICE BLVD NEW BEDFORD MA 02745	0.10 SE	14
5	SPILLS	EMHART PCI GROUP 4-0000416/RAO	215 DUCHAINE BLVD NEW BEDFORD MA 02745	0.13 SE	15
5	SPILLS	NEW BEDFORD IND PARK 4-0013579/RAO	215 DUCHAINE BLVD NEW BEDFORD MA 02745	0.13 SE	17
5	RCRAGN	ACUSHNET CO BALL PLANT III MAR000011171/LGN	215 DUCHAINE BLVD NEW BEDFORD MA 02745	0.13 SE	19
6	SPILLS	PROPERTY S92-0696	291 THEODORE RICE BLVD NEW BEDFORD MA 02745	0.18 SE	21
7	UST	SERVICE AMERICA CORP 0-003377	213 RICE BLVD NEW BEDFORD MA 02745	0.21 SE	22
8	SPILLS	NEAR 225 4-0019720/RAO	THEODORE RICE BLVD NEW BEDFORD MA 02745	0.25 SE	23
9	LUST	PROPERTY 4-0000578/RAO	260 DUCHAINE BLVD NEW BEDFORD MA 02745	0.26 SE	24
10	STATE	BORG WARNER AUTOMOTIVE INC 4-0000389/REMOPS	THEODORE RICE BLVD NEW BEDFORD MA 02745	0.28 SE	26

Environmental FirstSearch
Selected Sites Summary Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

TOTAL: 30 **GEOCODED:** 30 **NON GEOCODED:** 0 **SELECTED:** 30

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.
10	STATE	BORG WARNER AUTOMOTIVE 4-0016181/RAO	200 THEODORE RICE BLVD NEW BEDFORD MA 02745	0.28 SE	29
11	STATE	EPEC INC 4-0001018/REMOPS	174 DUCHAINE BLVD NEW BEDFORD MA 02745	0.37 SE	30
12	STATE	NO LOCATION AID 4-0011234/DPS	158 DUCHAINE BLVD NEW BEDFORD MA 02745	0.39 SE	33
12	STATE	SCHAEFER MARINE INC. 4-0000949/LSPNFA	158 DUCHAINE BLVD NEW BEDFORD MA 02745	0.39 SE	34
13	STATE	TALLYRAND 4-0011419/TIER1D	129 JOHN VERTENTE BLVD NEW BEDFORD MA 02745	0.51 SW	35
14	STATE	FORMER UST AREA 4-0019456/TIER1D	55 SAMUEL BARNET BLVD NEW BEDFORD MA 02745	0.57 SW	36
15	STATE	POLAROID WWTP FACILITY 4-0016316/RAO	100 DUCHAINE BLVD NEW BEDFORD MA 02745	0.69 SE	37
16	STATE	ASHLEY TIRE and AUTO 4-0001324/RAO	4227 ACUSHNET AVE NEW BEDFORD MA 02745	0.75 NE	39
17	STATE	RTE 18 4-0013946/RAO	4162 ACUSHNET AVE NEW BEDFORD MA 02745	0.79 NE	41

Environmental FirstSearch Descriptions

NPL: ***EPA*** NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.
A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.
FINAL - Currently on the Final NPL
PROPOSED - Proposed for NPL

NPL DELISTED: ***EPA*** NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. 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.
DELISTED - Deleted from the Final NPL

CERCLIS: ***EPA*** COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.
PART OF NPL- Site is part of NPL site
DELETED - Deleted from the Final NPL
FINAL - Currently on the Final NPL
NOT PROPOSED - Not on the NPL
NOT VALID - Not Valid Site or Incident
PROPOSED - Proposed for NPL
REMOVED - Removed from Proposed NPL
SCAN PLAN - Pre-proposal Site
WITHDRAWN - Withdrawn

NFRAP: ***EPA*** COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.
NFRAP – No Further Remedial Action Plan
P - Site is part of NPL site
D - Deleted from the Final NPL
F - Currently on the Final NPL
N - Not on the NPL
O - Not Valid Site or Incident
P - Proposed for NPL
R - Removed from Proposed NPL
S - Pre-proposal Site
W – Withdrawn

RCRA COR ACT: ***EPA*** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.
RCRAInfo facilities that have reported violations and subject to corrective actions.

RCRA TSD: ***EPA*** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM

TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.
Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: ***EPA*** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.
Facilities that generate or transport hazardous waste or meet other RCRA requirements.
LGN - Large Quantity Generators
SGN - Small Quantity Generators
VGN – Conditionally Exempt Generator.
Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

RCRA GEN: ***MA DEP*** HAZARDOUS WASTE GENERATORS - Database of small and very small quantity generators of hazardous waste or waste oil. These site are regulated by the MA DEP.

Federal IC / EC: ***EPA*** BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.
FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: ***EPA/NRC*** EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: ***DOI/BIA*** INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

State/Tribal Sites: ***MA DEP*** WASTE SITE CLEANUP NOTIFICATION DATABASE SUBSET - database of sites in the Commonwealth where a release of oil or hazardous material has been reported to the Department of Environmental Protection (DEP) and the site is Tier Classified or Pre Classified. Sites are usually Tier Classified (1A, 1B, 1C, 1D, and 2) using the Numerical Ranking System (NRS). The NRS scores sites on a point system based on a variety of factors. These include the site's complexity, the type of contamination, and the potential for human or environmental exposure to the contamination. In addition, some sites are automatically classified as Tier 1 sites if they pose an imminent hazard, affect public water supplies, or miss regulatory deadlines. Also includes MA 21E SITES, a database of sites regulated under General Law Chapter 21E (the Massachusetts "Superfund" Law). Chapter 21E gives the Department of Environmental Protection (DEP) the task of ensuring that releases and threats of release of oil and hazardous material are cleaned up by the parties responsible for them. The database contains confirmed, LTBI, waiver, deleted and reserved sites.

State Spills 90: ***MA DEP*** WASTE SITE CLEANUP NOTIFICATION DATABASE - database of sites in the Commonwealth where a release of oil or hazardous material has been reported to the Department of Environmental Protection (DEP) since 1990. The data includes location, source, chemical, amount, notification date and Release Tracking Number (RTN).

State/Tribal SWL: ***MA DEP*** SOLID WASTE FACILITY DATABASE - database of the solid waste landfills, combustion facilities, and transfer stations in Massachusetts. This data includes facility type, location, capacity, owner and operator contact information, and years of operation.

State/Tribal LUST: ***MA DEP*** FIRSTSEARCH PROPRIETARY DATABASE OF LEAKING UNDERGROUND STORAGE TANKS - database of sites in the Commonwealth where a release of oil or hazardous material has been reported and the source is a tank. This database is a subset of the WASTE SITE CLEANUP NOTIFICATION DATABASE.

State/Tribal UST/AST: ***FIRE MARSHAL*** UNDERGROUND STORAGE TANK (UST) REGISTRY DATABASE - database of regulated UST in the Commonwealth and tracks its status.

State/Tribal IC: ***MA DEP*** DATABASE OF ACTIVITY AND USE LIMITATION (AUL) - database of sites receiving an AUL. An AUL provides Notice to users of property of the presence of oil or hazardous material contamination remaining at the location after a cleanup has been conducted pursuant to M.G.L.Chapter 21E and the Massachusetts Contingency Plan. The AUL is a legal document that identifies activities and uses of the property that may and may not occur, as well as the property owner 's obligation and maintenance conditions that must be followed to ensure the safe use of the property.

RADON: ***NTIS*** NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

State Other: ***US DOJ*** NATIONAL CLANDESTINE LABORATORY REGISTER - Database of addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the U.S. Department of Justice ("the Department"), and the Department has not verified the entry and does not guarantee its accuracy. All sites that are included in this data set will have an id that starts with NCLR.

State Other: ***MA DEP*** NOT REPORTABLE - Database of releases that don't meet the criteria to be accepted into the Reportable Releases or the Waste Site Cleanup database o to the amount of material released.
COMPLAINTS – Database of complaints filed with the Bureau of Waste Site Cleanup. The data includes complaint types of drum, dump, fire, sheen, spill ....

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

Street Name	Dist/Dir	Street Name	Dist/Dir
Angelica Ave	0.24 NE		
Braley Rd	0.19 NE		
Duchaine Blvd	0.01 NE		
Phillips Rd	0.23 NE		
Theodore Rice Blvd	0.11 SE		

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

NFRAP

SEARCH ID: 2 **DIST/DIR:** 0.02 SE **MAP ID:** 1

NAME: POLYMERINE
ADDRESS: 241 DUCHAINE BOULEVARD
NEW BEDFORD MA 02745

CONTACT:

REV: 4/11/07
ID1: MAD980584361
ID2: 0102967
STATUS: NFRAP-N
PHONE:

DESCRIPTION:

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
Public Notice Published	EPA Fund-Financed		12-27-2000
ISSUE REQUEST LETTERS (104E)	Federal Enforcement		03-28-2002
INFORMATION REPOSITORY ESTABLISHED	EPA Fund-Financed		11-27-2000
ARCHIVE SITE	EPA In-House		09-13-2004
POTENTIALLY RESPONSIcpad_admin.cpad_log.error_number%TYPE;BLE PARTY		REMOVAL	Responsible Party
10-05-1998	04-19-2000		
Partially Cleaned up	Primary	Original Action Take Over	
REMOVAL	EPA Fund-Financed	04-19-2000	10-01-2001
Stabilized	Primary	New Action Resulting from Take Over	
REMOVAL ASSESSMENT	EPA Fund-Financed	11-17-1997	01-23-1998
UNILATERAL ADMIN ORDER	Federal Enforcement		06-23-1998

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 25 **DIST/DIR:** 0.02 SE **MAP ID:** 1

NAME: PROPERTY
ADDRESS: 241 DUCHAINE BLVD
NEW BEDFORD MA
BRISTOL
CONTACT: KAEGAEL, T

REV:
ID1: S91-0216
ID2: 0000
STATUS:
PHONE:

CASE CLOSED? YES
SPILL DATE:
DATE REPORTED:
SPILL NOTIFIER: DAVE JOHNSTON

SPILL TIME:
REPORT TIME:
NOTIFIER PHONE:

SPILL DESCRIPTION:

INCIDENT: OTHER RELEASE > UNKNOWN
MATERIAL SPILLED: OTHER MATERIAL -->
AMT RPTD SPILLED: ---------- ----------
SOURCE OF SPILL: DRUM
PET/HAZ: BOTH
PCB LEVEL: ----------

ACTUAL AMT SPILLED: ---------- ----------
VIR/WASTE: WASTE

ENVIRONMENTAL IMPACT:

LUST?: NO
CONTRACTOR: ZECCO
DAYS/CLOSE: 0

SOIL CONTAMINATED?:
PREPARE REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 24 **DIST/DIR:** 0.02 SE **MAP ID:** 1

NAME: POLYMERINE INC
ADDRESS: 241 DUCHAINE BLVD
NEW BEDFORD MA 02740

CONTACT:

REV: 9/10/07
ID1: 4-0001347
ID2:
STATUS: TIER1D
PHONE:

SITE INFORMATION

STATUS: - Tier1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.

LTBI: 10/1/1993
DELETED:
CONFIRMED:
REMOVED:

LTBI:
DELETED:
CONFIRMED:
REMOVED:

LOCATION TYPE: INDUSTRIAL,
SOURCE: UNKNOWN;
SITE DESCRIPTION: PCBS PRESENT METALS PRESENT; INDUSTRIAL SITE; V.O.C. S PRESENT;

OTHER CONTAMINATION: UNKNOWN SOURCE
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

UNKNOWN CHEMICAL OF UNKNOWN TYPE
UNKNOWN CHEMICAL OF TYPE - OIL

SITE ACTIONS

ACT DATE: 10/1/1993
ACT USE LIMITATION:
LSP:
ACT STATUS: VALID TRANSITION SITE
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

RCRAGN

SEARCH ID: 5 **DIST/DIR:** 0.02 SE **MAP ID:** 1

NAME: POLYMERINE
ADDRESS: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745
BRISTOL
CONTACT: UNKNOWN UNKNOWN

REV: 6/6/06
ID1: MAD980584361
ID2:
STATUS: SGN
PHONE: 9999999999

SITE INFORMATION

CONTACT INFORMATION: KATHLEEN-W HICKEY
241 DUCHAINE BLVD
NEW BEDFORD MA 02745

PHONE: 5089951731

UNIVERSE INFORMATION:

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: *N - NO*
GPRA POST CLOSURE: *N - NO*
GPRA CA: *N - NO*

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: *N - NO*
GPRA POST CLOSURE: *N - NO*
GPRA CA: *N - NO*
GPRA COMPLIANCE MONITORING and ENFORCEMENT: *N - NO*

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA: N - NO
SUBJCA TSD 3004: N - NO
SUBJCA NON TSD: N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: -----
CLOSURE WORKLOAD: -----
POST CLOSURE WORKLOAD: -----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: -----
CORRECTIVE ACTION WORKLOAD: N - NO
GENERATOR STATUS: SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
KG/MONTH OF HAZARDOUS WASTE

NAIC INFORMATION

ENFORCEMENT INFORMATION:

AGENCY: S - STATE **DATE:** 6/23/1988
TYPE: 120 - WRITTEN INFORMAL

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

RCRAGN

SEARCH ID: 5 **DIST/DIR:** 0.02 SE **MAP ID:** 1

NAME: POLYMERINE
ADDRESS: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745
BRISTOL
CONTACT: UNKNOWN UNKNOWN

REV: 6/6/06
ID1: MAD980584361
ID2:
STATUS: SGN
PHONE: 9999999999

AGENCY: S - STATE **DATE:** 6/23/1988
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 5/31/1991
TYPE: 310 - FINAL 3008(A) COMPLIANCE ORDER

AGENCY: S - STATE **DATE:** 5/31/1991
TYPE: 310 - FINAL 3008(A) COMPLIANCE ORDER

VIOLATION INFORMATION:

VIOLATION NUMBER: 0001 **RESPONSIBLE:** S - STATE
DETERMINED: 3/1/1988 **DETERMINED BY:** S - STATE
CITATION:
RESOLVED: 1/24/1995
TYPE: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

VIOLATION NUMBER: 0002 **RESPONSIBLE:** S - STATE
DETERMINED: 5/7/1991 **DETERMINED BY:** S - STATE
CITATION:
RESOLVED: 6/19/1991
TYPE: GENERATOR-OTHER REQUIREMENTS

HAZARDOUS WASTE INFORMATION:

Ignitable waste
2-Propanone (I) (OR) Acetone (I)

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 16 **DIST/DIR:** 0.02 SE **MAP ID:** 1

NAME: POLYMERINE INC
ADDRESS: 241 DUCHAINE BLVD
NEW BEDFORD MA 02740

CONTACT:

REV: 5/30/07
ID1: 4-0001347
ID2:
STATUS: TIER1D
PHONE:

SITE INFORMATION

STATUS: - Tier1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.

LTBI:
DELETED:

CONFIRMED:
REMOVED:

LTBI: 10/1/1993
DELETED:

CONFIRMED:
REMOVED:

LOCATION TYPE: INDUSTRIAL,
SOURCE: UNKNOWN;
SITE DESCRIPTION: PCBS PRESENT V.O.C. S PRESENT; METALS PRESENT; INDUSTRIAL SITE;

OTHER CONTAMINATION: UNKNOWN SOURCE
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

UNKNOWN CHEMICAL OF UNKNOWN TYPE
UNKNOWN CHEMICAL OF TYPE - OIL

SITE ACTIONS

ACT DATE: 10/1/1993
ACT USE LIMITATION:
LSP:
ACT STATUS: VALID TRANSITION SITE
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 28 **DIST/DIR:** 0.04 NE **MAP ID:** 2

NAME: WHITE ROCK SODA INC
ADDRESS: DUCHAINE BLVD INDUSTRIAL PK
NEW BEDFORD MA
BRISTOL
CONTACT: BRENNAN, S

REV:
ID1: S91-0561
ID2: 0000
STATUS:
PHONE:

CASE CLOSED? YES
SPILL DATE: 19910913
DATE REPORTED: 19910913
SPILL NOTIFIER: KIRK FRANKLIN, FRANK CORP

SPILL TIME: 12:30PM
REPORT TIME: 04:15PM
NOTIFIER PHONE:

SPILL DESCRIPTION:

INCIDENT: OVERFILL
MATERIAL SPILLED: 2 FUEL OIL
AMT RPTD SPILLED: UNKNOWN ----------
SOURCE OF SPILL: U.S.T.
PET/HAZ: PETROLEUM
PCB LEVEL: NONE

ACTUAL AMT SPILLED: UNKNOWN ----------
VIR/WASTE: VIRGIN

ENVIRONMENTAL IMPACT: SOIL

LUST?: ---
CONTRACTOR: NOT USED
DAYS/CLOSE: 1

SOIL CONTAMINATED?:
PREPARE REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 27 **DIST/DIR:** 0.04 NE **MAP ID:** 2

NAME: WHITE ROCK INC
ADDRESS: DUCHAINE BLVD
NEW BEDFORD MA 02745
BRISTOL
CONTACT: MORAN, M

REV:
ID1: S90-0239
ID2: 0000
STATUS:
PHONE:

CASE CLOSED? YES
SPILL DATE: 19900405
DATE REPORTED: 19900405
SPILL NOTIFIER: W VARDONE/EPA

SPILL TIME:
REPORT TIME:
NOTIFIER PHONE:

SPILL DESCRIPTION:

INCIDENT: DUMPING
MATERIAL SPILLED: UNKNOWN
AMT RPTD SPILLED: UNKNOWN GALLONS
SOURCE OF SPILL: OTHER SOURCE > UNK CHEMICALS
PET/HAZ: NEITHER
PCB LEVEL: ———

ACTUAL AMT SPILLED: UNKNOWN GALLONS
VIR/WASTE: -----

ENVIRONMENTAL IMPACT:

LUST?: ---
CONTRACTOR: NOT USED
DAYS/CLOSE: 1

SOIL CONTAMINATED?:
PREPARE REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

ERNS

SEARCH ID: 6 **DIST/DIR:** 0.04 NE **MAP ID:** 2

NAME: CHEMLAWN
ADDRESS: IN FRONT OF WHITEROCK INC ON DUCHAINE BLVD.
NEW BEDFORD MA
BRISTOL
CONTACT:

REV: 4/5/90 0:0
ID1: 157492
ID2:
STATUS: HIGHWAY RELATED
PHONE:

SPILL INFORMATION

DATE OF SPILL: 4/5/90 **TIME OF SPILL:** 1200

PRODUCT RELEASED (1): GREEN SLIME
QUANTITY (1): 0
UNITS (1): UNK

PRODUCT RELEASED (2): WHITE POWDER MATERIAL
QUANTITY (2): 0
UNITS (2): UNK

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR: NO
LAND: YES
WATER: NO
GROUNDWATER: NO
FIXED FACILITY: NO
OTHER: NO
WATERBODY AFFECTED BY RELEASE: LAND

CAUSE OF RELEASE

DUMPING: NO
NATURAL PHENOMENON: NO
OTHER CAUSE: NO
UNKNOWN: NO
EQUIPMENT FAILURE: NO
OPERATOR ERROR: NO
TRANSP. ACCIDENT: NO

ACTIONS TAKEN: NONE
RELEASE DETECTION: MATERIAL FELL OUT OF A TRUCK. PERSONS WERE PLACING ANOTHER MATERIAL ON IT
MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 157492
TYPE OF DISCHARGER: PRIVATE CITIZEN
NAME OF DISCHARGER: CHEMLAWN
ADDRESS:

DUN and BRADSTREET :

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

ERNS

SEARCH ID: 7 **DIST/DIR:** 0.07 SE **MAP ID:** 3

NAME:
ADDRESS: DUCHESME AVE
NEW BEDFORD MA 02745
CONTACT:

REV: 12-13-93
ID1: H21015B
ID2:
STATUS: FIX FAC
PHONE: - -

CERCLIS (Y/N):

MAT: UNKNOWN CHEMICAL **QUANT:** 1.00 UNKNOWN

LOCATION: DUCHESME AVE
CITY: NEW BEDFORD MA 02745 **REPORTED:** 19920601

SOURCE: FIX FAC **MEDIUM:** AIR

CAUSE: OTHER
REPORTER SAID IT WAS A CHEMICAL AIR RELEASE , UNK

ACT: S
BY: NEW BEDFORD FIRE DEPT

ERNS

SEARCH ID: 8 **DIST/DIR:** 0.07 SE **MAP ID:** 3

NAME:
ADDRESS: DUCHAINE
NEW BEDFORD MA 02745
CONTACT: UNKNOWN.

REV: 12-13-93
ID1: H21015A
ID2:
STATUS: FIX FAC
PHONE:

CERCLIS (Y/N):

MAT: WHITE SMOKE COMING FROM THE BLDG **QUANT:** 0.00 N

LOCATION: DUCHAINE
CITY: NEW BEDFORD MA 02745 **REPORTED:** 19920529

SOURCE: FIX FAC **MEDIUM:** AIR

CAUSE: UNKNOWN
VENT ON ROOF OF FACTORY/STRONG CHLORINE SMELL

ACT: NONE
BY:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

NFRAP

SEARCH ID: 1 **DIST/DIR:** 0.10 SE **MAP ID:** 4

NAME: ALBEROX CORP
ADDRESS: 225 THEODORE RICE BLVD IND PK
NEW BEDFORD MA 02745

CONTACT:

REV: 4/11/07
ID1: MAD001061001
ID2: 0100400
STATUS: NFRAP-N
PHONE:

DESCRIPTION:

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
SITE REASSESSMENT Low	EPA Fund-Financed		08-02-2001
SITE REASSESSMENT NFRAP (No Futher Remedial Action Planned	EPA Fund-Financed	03-07-2001	12-18-2001
ARCHIVE SITE	EPA In-House		12-19-2001
DISCOVERY	EPA Fund-Financed		06-01-1981
PRELIMINARY ASSESSMENT Low	EPA Fund-Financed		03-01-1984
SITE INSPECTION Low	EPA Fund-Financed		09-30-1988

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

RCRAGN

SEARCH ID: 4 **DIST/DIR:** 0.10 SE **MAP ID:** 4

NAME: MORGAN ADVANCED CERAMICS
ADDRESS: 225 THEODORE RICE BLVD
NEW BEDFORD MA 02745

CONTACT: PETER SZWAJA

REV: 6/6/06
ID1: MAD001061001
ID2:
STATUS: LGN
PHONE: 5089951725

SITE INFORMATION

CONTACT INFORMATION: ROGER ROGERS
225 THEODORE RICE BLVD
NEW BEDFORD MA 027451289

PHONE: 5089951725

CONTACT INFORMATION: PETER SZWAJA
225 THEODORE RICE BLVD
NEW BEDFORD MA 027451289

PHONE: 5089951725

UNIVERSE INFORMATION:

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: *N - NO*
GPRA POST CLOSURE: *N - NO*
GPRA CA: *N - NO*

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: *N - NO*
GPRA POST CLOSURE: *N - NO*
GPRA CA: *N - NO*
GPRA COMPLIANCE MONITORING and ENFORCEMENT: *N - NO*

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA: N - NO
SUBJCA TSD 3004: N - NO
SUBJCA NON TSD: N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: -----
CLOSURE WORKLOAD: -----
POST CLOSURE WORKLOAD: -----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: -----
CORRECTIVE ACTION WORKLOAD: N - NO
GENERATOR STATUS: LQG - LARGE QUANTITY GENERATORS: GENERATES MORE THAN 1000 KG/MONTH OF HAZARDOUS WASTE

NAIC INFORMATION

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

RCRAGN

SEARCH ID: 4 **DIST/DIR:** 0.10 SE **MAP ID:** 4

NAME: MORGAN ADVANCED CERAMICS
ADDRESS: 225 THEODORE RICE BLVD
NEW BEDFORD MA 02745

CONTACT: PETER SZWAJA

REV: 6/6/06
ID1: MAD001061001
ID2:
STATUS: LGN
PHONE: 5089951725

327113 - PORCELAIN ELECTRICAL SUPPLY MANUFACTURING
334419 - OTHER ELECTRONIC COMPONENT MANUFACTURING

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, b
MA99
Spent cyanide plating bath solutions from electroplating operations.
Spent stripping and cleaning bath solutions from electroplating operations in which cyanides are used in the process.
Tetrachloroethylene
The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/bl
The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane
The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a to
Chromium
Methyl ethyl ketone
Lead
Corrosive waste
Trichloroethylene
Arsenic
MA01
Silver
Mercury
Cadmium
Reactive waste
Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel;
Ignitable waste

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 20 **DIST/DIR:** 0.10 SE **MAP ID:** 4

NAME: ALBEROX CORP
ADDRESS: 225 THEODORE RICE BLVD
NEW BEDFORD MA 02740

CONTACT:

REV: 9/10/07
ID1: 4-0000116
ID2:
STATUS: WCSPRM
PHONE:

SITE INFORMATION

STATUS: WCSPRM - A Waiver Completion Statement has been submitted to DEP.

LTBI:
DELETED:

CONFIRMED:
REMOVED:

LTBI: 1/15/1987
DELETED:

CONFIRMED: 7/15/1990
REMOVED:

LOCATION TYPE: INDUSTRIAL,
SOURCE: DRYWELL;
SITE DESCRIPTION: V.O.C. S PRESENT; RELEASE TO SOIL; MANUFACTURING FACILITY; GROUNDWATER RELEASE; CONTAINED IN DRY WELL;

OTHER CONTAMINATION:
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

UNKNOWN CHEMICAL OF TYPE - OIL

SITE ACTIONS

TS DATE: 4/2/1999
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS:
RAS TYPE: WCS-PERM
RAO CLASS:

ACT DATE: 1/15/1987
ACT USE LIMITATION:
LSP:
ACT STATUS: VALID TRANSITION SITE
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 21 **DIST/DIR:** 0.13 SE **MAP ID:** 5

NAME: EMHART PCI GROUP
ADDRESS: 215 DUCHAINE BLVD
NEW BEDFORD MA 02740
CONTACT:

REV: 9/10/07
ID1: 4-0000416
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

STATUS: RAO - (Response Action Outcome): a site/release where an RAO statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

LTBI:
DELETED:
CONFIRMED:
REMOVED:

LTBI: 1/15/1988
DELETED:
CONFIRMED: 4/15/1990
REMOVED:

LOCATION TYPE: INDUSTRIAL,
SOURCE: AST; PIPE;
SITE DESCRIPTION: CHLORINATED SOLVENTS PRESENT; GROUNDWATER RELEASE; INDUSTRIAL SITE; RELEASE TO SOIL; METALS PRESENT;

OTHER CONTAMINATION: FMR WASTEWATER CONDUITS/AST
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

UNKNOWN CHEMICAL OF UNKNOWN TYPE

SITE ACTIONS

TS DATE: 9/5/1996
AUL RESTRICTION:
LSP: WILLIAM BECK
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: PHASEII
RAO CLASS:

TS DATE: 9/5/1996
AUL RESTRICTION:
LSP: WILLIAM BECK
RA STATUS: SCOPE OF WORK RECEIVED
RAS TYPE: PHASEII
RAO CLASS:

TS DATE: 9/5/1996
AUL RESTRICTION: NON
LSP: WILLIAM BECK

- Continued on next page -

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 21 **DIST/DIR:** 0.13 SE **MAP ID:** 5

NAME: EMHART PCI GROUP
ADDRESS: 215 DUCHAINE BLVD
NEW BEDFORD MA 02740
CONTACT:

REV: 9/10/07
ID1: 4-0000416
ID2:
STATUS: RAO
PHONE:

RA STATUS:
RAS TYPE: RESPONSE ACTION OUTCOME - RAO
RAO CLASS: A2 - A PERMANENT SOLUTION HAS BEEN ACHIEVED: CONTAMINATION HAS NOT BEEN REDUCED TO BACKROUND

ACT DATE: 9/5/1996
ACT USE LIMITATION: NONE
LSP:
ACT STATUS: RAO STATEMENT RECEIVED
ACT TYPE: RESPONSE ACTION OUTCOME - RAO
RAO CLASS: A2 - A PERMANENT SOLUTION HAS BEEN ACHIEVED: CONTAMINATION HAS NOT BEEN REDUCED TO BACKROUND

ACT DATE: 1/15/1988
ACT USE LIMITATION:
LSP:
ACT STATUS: VALID TRANSITION SITE
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

ACT DATE: 9/5/1996
ACT USE LIMITATION:
LSP:
ACT STATUS: SCOPE OF WORK RECEIVED
ACT TYPE: PHASE 2
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 23 **DIST/DIR:** 0.13 SE **MAP ID:** 5

NAME: NEW BEDFORD IND PARK
ADDRESS: 215 DUCHAINE BLVD
NEW BEDFORD MA

CONTACT:

REV: 9/10/07
ID1: 4-0013579
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

STATUS: RAO - (Response Action Outcome): a site/release where an RAO statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

LTBI:
DELETED:

CONFIRMED:
REMOVED:

LOCATION TYPE: INDUSTRIAL,
SOURCE: VEHICLE;
SITE DESCRIPTION:

CHEMICALS

OIL 10 GAL

SITE ACTIONS

ACT DATE: 1/7/1998
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

ACT DATE: 5/18/1998
ACT USE LIMITATION: NONE
LSP: DONNA PALLIS
ACT STATUS: RAO STATEMENT RECEIVED
ACT TYPE: RESPONSE ACTION OUTCOME - RAO
RAO CLASS: A1 - A PERMANENT SOLUTION HAS BEEN ACHIEVED: CONTAMINATION HAS BEEN REDUCED TO BACKROUND OR A THREAT OF A RELEASE HAS BEEN ELIMINATED

ACT DATE: 2/17/1998
ACT USE LIMITATION:
LSP: DONNA PALLIS
ACT STATUS: FEE RECEIVED-FMCRA USE ONLY
ACT TYPE: RELEASE ABATEMENT MEASURE
RAO CLASS:

ACT DATE: 2/17/1998
ACT USE LIMITATION:
LSP: DONNA PALLIS
ACT STATUS: COMPLETION STATEMENT RECEIVED

- Continued on next page -

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 23 **DIST/DIR:** 0.13 SE **MAP ID:** 5

NAME: NEW BEDFORD IND PARK
ADDRESS: 215 DUCHAINE BLVD
NEW BEDFORD MA

CONTACT:

REV: 9/10/07
ID1: 4-0013579
ID2:
STATUS: RAO
PHONE:

ACT TYPE: IMMEDIATE RESPONSE ACTION
RAO CLASS:

ACT DATE: 2/17/1998
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE NOTIFICATION
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

RCRAGN

SEARCH ID: 3 **DIST/DIR:** 0.13 SE **MAP ID:** 5

NAME: ACUSHNET CO BALL PLANT III
ADDRESS: 215 DUCHAINE BLVD
NEW BEDFORD MA 02745

CONTACT: KEVIN S KELLY

REV: 6/6/06
ID1: MAR000011171
ID2:
STATUS: LGN
PHONE: 5089108825 NA

SITE INFORMATION

CONTACT INFORMATION: KEVIN S KELLY
PO BOX 965
FAIRHAVEN MA 027190965

PHONE: 5089792665

UNIVERSE INFORMATION:

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: *N - NO*
GPRA POST CLOSURE: *N - NO*
GPRA CA: *N - NO*

GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)

GPRA PERMIT: *N - NO*
GPRA POST CLOSURE: *N - NO*
GPRA CA: *N - NO*
GPRA COMPLIANCE MONITORING and ENFORCEMENT: *Y*

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA: N - NO
SUBJCA TSD 3004: N - NO
SUBJCA NON TSD: N - NO

SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC: N - NO
PERMIT WORKLOAD: -----
CLOSURE WORKLOAD: -----
POST CLOSURE WORKLOAD: -----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: -----
CORRECTIVE ACTION WORKLOAD: N - NO
GENERATOR STATUS: LQG - LARGE QUANTITY GENERATORS: GENERATES MORE THAN 1000 KG/MONTH OF HAZARDOUS WASTE

NAIC INFORMATION

33992 - SPORTING AND ATHLETIC GOODS MANUFACTURING

ENFORCEMENT INFORMATION:

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

RCRAGN

SEARCH ID: 3 **DIST/DIR:** 0.13 SE **MAP ID:** 5

NAME: ACUSHNET CO BALL PLANT III
ADDRESS: 215 DUCHAINE BLVD
NEW BEDFORD MA 02745

CONTACT: KEVIN S KELLY

REV: 6/6/06
ID1: MAR000011171
ID2:
STATUS: LGN
PHONE: 5089108825 NA

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Corrosive waste
Reactive waste
MA01
Benzene
The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a to
Carbon tetrachloride
The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane
Ignitable waste
The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, b

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 26 **DIST/DIR:** 0.18 SE **MAP ID:** 6

NAME: PROPERTY
ADDRESS: 291 THEODORE RICE BLVD
NEW BEDFORD MA 02740

CONTACT: KEARNS, R

REV:
ID1: S92-0696
ID2: 0000
STATUS:
PHONE:

CASE CLOSED? YES
SPILL DATE: 19920928
DATE REPORTED: 19920928
SPILL NOTIFIER: WILLIAM MURPHY/DAMES and MARE

SPILL TIME:
REPORT TIME: 03:20PM
NOTIFIER PHONE:

SPILL DESCRIPTION:

INCIDENT: LEAK
MATERIAL SPILLED: 2 FUEL OIL
AMT RPTD SPILLED: ---------- ----------
SOURCE OF SPILL: U.S.T.
PET/HAZ: PETROLEUM
PCB LEVEL: NONE

ACTUAL AMT SPILLED: ---------- -------
VIR/WASTE: VIRGIN

ENVIRONMENTAL IMPACT: SOIL

LUST?: NO
CONTRACTOR: NOT USED
DAYS/CLOSE: 0

SOIL CONTAMINATED?:
PREPARE REPORT:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

UST

SEARCH ID: 29 **DIST/DIR:** 0.21 SE **MAP ID:** 7

NAME: SERVICE AMERICA CORP
ADDRESS: 213 RICE BLVD
NEW BEDFORD MA 02745

CONTACT:

REV: 9/28/07
ID1: 0-003377
ID2: 5201
STATUS:
PHONE:

TOTAL NUMBER OF TANKS: 1

OWNER INFORMATION
OWNER NAME: SERVICE AMERICA CORP
OWNER ADDRESS: 213 RICE BLVD
NEW BEDFORD MA 02745

FACILITY TYPE: OTHER
WORK PHONE: (617) 998-1155

TANK INFORMATION

TANK NUMBER: 1
TANK STATUS: REMOVED
SERIAL NUMBER:
ABOVE GROUND: N
CAPACITY(GAL): 10000
CONTENTS: GASOLINE
USE:
TANK MATERIAL:
TANK TYPE:
LEAK DETECTION:

PIPE MATERIAL:
PIPE TYPE:
LEAK DETECTION:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

SPILLS

SEARCH ID: 22 **DIST/DIR:** 0.25 SE **MAP ID:** 8

NAME: NEAR 225
ADDRESS: THEODORE RICE BLVD
NEW BEDFORD MA

CONTACT:

REV: 9/10/07
ID1: 4-0019720
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

STATUS: RAO - (Response Action Outcome): a site/release where an RAO statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

LOCATION TYPE: ROADWAY, INDUSTRIAL,
SOURCE: VEHICLE; PIPE;
SITE DESCRIPTION:

CHEMICALS

UNKNOWN CHEMICAL OF UNKNOWN TYPE 20 GAL

SITE ACTIONS

ACT DATE: 7/14/2006
ACT USE LIMITATION: NONE
LSP: MICHAEL PIER
ACT STATUS: TECHNICAL SCREEN AUDIT
ACT TYPE: RESPONSE ACTION OUTCOME - RAO
RAO CLASS: A1 - A PERMANENT SOLUTION HAS BEEN ACHIEVED: CONTAMINATION HAS BEEN REDUCED TO BACKROUND OR A THREAT OF A RELEASE HAS BEEN ELIMINATED

ACT DATE: 6/8/2006
ACT USE LIMITATION:
LSP: MICHAEL PIER
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: IMMEDIATE RESPONSE ACTION
RAO CLASS:

ACT DATE: 6/8/2006
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE NOTIFICATION
RAO CLASS:

ACT DATE: 4/27/2006
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

LUST

SEARCH ID: 30 **DIST/DIR:** 0.26 SE **MAP ID:** 9

NAME: PROPERTY
ADDRESS: 260 DUCHAINE BLVD
NEW BEDFORD MA 02740
CONTACT:

REV: 9/10/07
ID1: 4-0000578
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

STATUS: RAO - (Response Action Outcome): a site/release where an RAO statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

LTBI:
DELETED:
CONFIRMED:
REMOVED:

LTBI: 10/15/1988
DELETED:
CONFIRMED: 7/15/1992
REMOVED:

LOCATION TYPE: MANUFACT,
SOURCE: UST;
SITE DESCRIPTION: GROUNDWATER RELEASE; CONTAINED IN A LUST; RELEASE TO SOIL; VIRGIN OIL PRESENT; MANUFACTURING FACILITY;

OTHER CONTAMINATION:
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

UNKNOWN CHEMICAL OF UNKNOWN TYPE

SITE ACTIONS

TS DATE: 3/12/1994
AUL RESTRICTION: NON
LSP: THEODORE KAEGAEL
RA STATUS:
RAS TYPE: RESPONSE ACTION OUTCOME - RAO
RAO CLASS: A1 - A PERMANENT SOLUTION HAS BEEN ACHIEVED: CONTAMINATION HAS BEEN REDUCED TO BACKROUND OR A THREAT OF A RELEASE HAS BEEN ELIMINATED

TS DATE: 3/12/1994
AUL RESTRICTION:
LSP: THEODORE KAEGAEL
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: IMMEDIATE RESPONSE ACTION
RAO CLASS:

ACT DATE: 3/12/1994
ACT USE LIMITATION:

- Continued on next page -

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

LUST

SEARCH ID: 30 **DIST/DIR:** 0.26 SE **MAP ID:** 9

NAME: PROPERTY
ADDRESS: 260 DUCHAINE BLVD
NEW BEDFORD MA 02740
CONTACT:

REV: 9/10/07
ID1: 4-0000578
ID2:
STATUS: RAO
PHONE:

LSP:
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: IMMEDIATE RESPONSE ACTION
RAO CLASS:

ACT DATE: 3/12/1994
ACT USE LIMITATION: NONE
LSP:
ACT STATUS: RAO STATEMENT RECEIVED
ACT TYPE: RESPONSE ACTION OUTCOME - RAO
RAO CLASS: A1 - A PERMANENT SOLUTION HAS BEEN ACHIEVED: CONTAMINATION HAS BEEN REDUCED TO BACKROUND OR A THREAT OF A RELEASE HAS BEEN ELIMINATED

ACT DATE: 10/15/1988
ACT USE LIMITATION:
LSP:
ACT STATUS: VALID TRANSITION SITE
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 11 **DIST/DIR:** 0.28 SE **MAP ID:** 10

NAME: BORG WARNER AUTOMOTIVE INC
ADDRESS: THEODORE RICE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 3/7/05
ID1: 4-0000389
ID2:
STATUS: REMOPS
PHONE:

SITE INFORMATION

STATUS: TIER 2 - A site/release receiving a total NRS score less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (CMR 40.0520(2)(a)). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categoricallyTier 2 sites.

LTBI: 7/15/1987
DELETED:
CONFIRMED: 10/15/1987
REMOVED:

LOCATION TYPE: INDUSTRIAL,
SOURCE: PIPE;
SITE DESCRIPTION: RELEASE TO SOIL; CONTAINED IN HOSE OR PIPE; GROUNDWATER RELEASE;
INDUSTRIAL SITE;

OTHER CONTAMINATION:
OTHER RELEASES: CUTTING OIL
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

CUTTING OIL

SITE ACTIONS

TS DATE: 2/9/2000
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS: TRANSMITTAL RECEIVED
RAS TYPE: TIER2EXT
RAO CLASS:

TS DATE: 11/24/2000
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: PHASEIV
RAO CLASS:

TS DATE: 2/7/2000
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS: RIPRCVD
RAS TYPE: PHASEIV
RAO CLASS:

- Continued on next page -

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 11 **DIST/DIR:** 0.28 SE **MAP ID:** 10

NAME: BORG WARNER AUTOMOTIVE INC
ADDRESS: THEODORE RICE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 3/7/05
ID1: 4-0000389
ID2:
STATUS: REMOPS
PHONE:

TS DATE: 2/5/1999
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS:
RAS TYPE: TIER2EXT
RAO CLASS:

TS DATE: 10/5/1999
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS: SCOPE OF WORK RECEIVED
RAS TYPE: PHASEII
RAO CLASS:

TS DATE: 10/5/1999
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: PHASEII
RAO CLASS:

TS DATE: 10/5/1999
AUL RESTRICTION:
LSP: DAVID CARLSON
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: PHASEIII
RAO CLASS:

ACT DATE: 11/24/2000
ACT USE LIMITATION:
LSP:
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHASE 4
RAO CLASS:

ACT DATE: 5/29/2001
ACT USE LIMITATION:
LSP:
ACT STATUS: NOTICE OF DELAY IN MEETING RA DEADLINE RECEIVED
ACT TYPE: TIER CLASSIFICATION
RAO CLASS:

ACT DATE: 10/5/1999

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 11 **DIST/DIR:** 0.28 SE **MAP ID:** 10

NAME: BORG WARNER AUTOMOTIVE INC
ADDRESS: THEODORE RICE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 3/7/05
ID1: 4-0000389
ID2:
STATUS: REMOPS
PHONE:

ACT USE LIMITATION:
LSP:
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHASE 3
RAO CLASS:

ACT DATE: 6/25/1987
ACT USE LIMITATION:
LSP:
ACT STATUS: VALID TRANSITION SITE
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

ACT DATE: 6/23/2004
ACT USE LIMITATION:
LSP: PAUL STEINBE
ACT STATUS: IMRCD
ACT TYPE: PHASE 5
RAO CLASS:

ACT DATE: 10/5/1999
ACT USE LIMITATION:
LSP:
ACT STATUS: SCOPE OF WORK RECEIVED
ACT TYPE: PHASE 2
RAO CLASS:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 10 **DIST/DIR:** 0.28 SE **MAP ID:** 10

NAME: BORG WARNER AUTOMOTIVE
ADDRESS: 200 THEODORE RICE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 5/10/01
ID1: 4-0016181
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

CATEGORY: TWO HR
DATE: 4/11/01
PHASE: NO PHASE

21E STATUS: PRECLASSIFIED
21E DATE: 4/11/01
HAZMAT TYPE: OIL

RAO CLASS:

LOCATION TYPE: INDUSTRIAL,
SOURCE: RECOVRYSYS;
SITE DESCRIPTION:

CHEMICALS

CUTTING OIL

SITE ACTIONS

ACT DATE: 04/30/2001
ACT USE LIMITATION:
LSP: DAVID CARLSON
ACT STATUS: ORAL APPROVAL OF PLAN
ACT TYPE: IRA: IMMEDIATE RESPONSE ACTION
RAO TYPE:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 12 **DIST/DIR:** 0.37 SE **MAP ID:** 11

NAME: EPEC INC
ADDRESS: 174 DUCHAINE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 6/19/02
ID1: 4-0001018
ID2:
STATUS: REMOPS
PHONE:

SITE INFORMATION

STATUS: TIER 2 - A site/release receiving a total NRS score less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (CMR 40.0520(2)(a)). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categoricallyTier 2 sites.

LTBI: 1/15/1991
DELETED:
CONFIRMED: 4/15/1991
REMOVED:

CATEGORY: NONE
DATE: 1/15/1991
PHASE: PHASE V
21E STATUS: TIER 2
21E DATE: 10/22/1996
HAZMAT TYPE: OIL

RAO CLASS:

LOCATION TYPE: INDUSTRIAL,
SOURCE: SEPTICTANK; TANKER;
SITE DESCRIPTION: CONTAINED IN SEPTIC TANK; CONTAINED IN A TANKER; PETROLEUM PRESENT; INDUSTRIAL SITE; CHLORINATED SOLVENTS PRESENT; GROUNDWATER RELEASE;

OTHER CONTAMINATION:
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

PETROLEUM BASED OIL

SITE ACTIONS

TS DATE: 12/6/1996
AUL RESTRICTION:
LSP: JAMES LUKER
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: PHASEII
RAO CLASS:

TS DATE: 8/21/2000
AUL RESTRICTION:
LSP: DAVID HAZEBROUCK
RA STATUS: TRANSMITTAL RECEIVED
RAS TYPE: TIER2EXT
RAO CLASS:

- Continued on next page -

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 12 **DIST/DIR:** 0.37 SE **MAP ID:** 11

NAME: EPEC INC
ADDRESS: 174 DUCHAINE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 6/19/02
ID1: 4-0001018
ID2:
STATUS: REMOPS
PHONE:

TS DATE: 8/20/1999
AUL RESTRICTION:
LSP: DAVID HAZEBROUCK
RA STATUS: TRANSMITTAL RECEIVED
RAS TYPE: TIER2EXT
RAO CLASS:

TS DATE: 8/21/1996
AUL RESTRICTION:
LSP: JAMES LUKER
RA STATUS:
RAS TYPE: TIER2EXT
RAO CLASS:

TS DATE: 8/18/1998
AUL RESTRICTION:
LSP: JONATHAN HIGGINS
RA STATUS: TRANSMITTAL RECEIVED
RAS TYPE: TIER2EXT
RAO CLASS:

TS DATE: 8/21/1997
AUL RESTRICTION:
LSP: DEBRA STAKE
RA STATUS: TRANSMITTAL RECEIVED
RAS TYPE: TIER2EXT
RAO CLASS:

TS DATE: 10/23/2000
AUL RESTRICTION:
LSP: DAVID HAZEBROUCK
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: PHASEIII
RAO CLASS:

TS DATE: 8/16/1996
AUL RESTRICTION:
LSP: JAMES LUKER
RA STATUS: SCOPE OF WORK RECEIVED
RAS TYPE: PHASEII
RAO CLASS:

ACT DATE: 08/21/2001
ACT USE LIMITATION:

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 12 **DIST/DIR:** 0.37 SE **MAP ID:** 11

NAME: EPEC INC
ADDRESS: 174 DUCHAINE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 6/19/02
ID1: 4-0001018
ID2:
STATUS: REMOPS
PHONE:

LSP: DAVID HAZEBROUCK
ACT STATUS: TIER 2 EXTENSION
ACT TYPE: TCLASS: TIER CLASSIFICATION
RAO TYPE:

ACT DATE: 12/06/1996
ACT USE LIMITATION:
LSP:
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHASII: PHASE II
RAO TYPE:

ACT DATE: 08/21/2001
ACT USE LIMITATION:
LSP: DAVID HAZEBROUCK
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHASIV: PHASE IV
RAO TYPE:

ACT DATE: 01/15/1991
ACT USE LIMITATION:
LSP:
ACT STATUS: VALID TRANSITION SITE
ACT TYPE: RELEASE DISPOSITION
RAO TYPE:

ACT DATE: 02/27/2002
ACT USE LIMITATION:
LSP: DAVID HAZEBROUCK
ACT STATUS: INSPECTION AND MONITORING REPORT RECEIVED
ACT TYPE: PHASEV: PHASE V
RAO TYPE:

ACT DATE: 10/23/2000
ACT USE LIMITATION:
LSP:
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHSIII: PHASE III
RAO TYPE:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 14 **DIST/DIR:** 0.39 SE **MAP ID:** 12

NAME: NO LOCATION AID
ADDRESS: 158 DUCHAINE BLVD
NEW BEDFORD MA 02745

CONTACT:

REV: 6/10/04
ID1: 4-0011234
ID2:
STATUS: DPS
PHONE:

SITE INFORMATION

STATUS: - Tier1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.

LOCATION TYPE:
SOURCE: UNKNOWN; UPGRAD;
SITE DESCRIPTION:

CHEMICALS

ETHENE, TRICHLORO- 490 PPB
ETHENE, TRICHLORO- 490 PPB

SITE ACTIONS

ACT DATE: 3/28/1996
ACT USE LIMITATION:
LSP: THEODORE KAE
ACT STATUS: FEE RECEIVED-FMCRA USE ONLY
ACT TYPE: DOWNGRADIENT PROPERTY STATUS
RAO CLASS:

ACT DATE: 3/24/1995
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

ACT DATE: 3/29/1995
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE NOTIFICATION
RAO CLASS:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 18 **DIST/DIR:** 0.39 SE **MAP ID:** 12

NAME: SCHAEFER MARINE INC.
ADDRESS: 158 DUCHAINE BLVD
NEW BEDFORD MA 02745

CONTACT:

REV: 1/29/01
ID1: 4-0000949
ID2:
STATUS: LSPNFA
PHONE:

SITE INFORMATION

LTBI: 7/15/93
DELETED:

CONFIRMED:
REMOVED:

CATEGORY:
DATE: 7/15/93
PHASE: NO PHASE

21E STATUS: NFA
21E DATE: 3/28/96
HAZMAT TYPE:

RAO CLASS:

LOCATION TYPE:
SOURCE:
SITE DESCRIPTION: GROUNDWATER RELEASE; MANUFACTURING FACILITY; CHLORINATED SOLVENTS PRESENT;

OTHER CONTAMINATION: UNKNOWN POSSIBLY OFF-SITE SOURCE
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

SITE ACTIONS

TS DATE: 19960328 00:00:00
AUL RESTRICTION:
LSP: THEODORE KAEGAEL
RA STATUS:
RAS TYPE: LSP-NFA
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 19 **DIST/DIR:** 0.51 SW **MAP ID:** 13

NAME: TALLYRAND
ADDRESS: 129 JOHN VERTENTE BLVD
NEW BEDFORD MA

CONTACT:

REV: 5/30/07
ID1: 4-0011419
ID2:
STATUS: TIER1D
PHONE:

SITE INFORMATION

STATUS: - Tier1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.

LTBI:
DELETED:

CONFIRMED:
REMOVED:

LOCATION TYPE: INDUSTRIAL,
SOURCE: TRANSFORM;
SITE DESCRIPTION:

CHEMICALS

UNKNOWN CHEMICAL OF TYPE - OIL

SITE ACTIONS

ACT DATE: 1/29/1996
ACT USE LIMITATION:
LSP:
ACT STATUS: WRITTEN PLAN RECEIVED
ACT TYPE: IMMEDIATE RESPONSE ACTION
RAO CLASS:

ACT DATE: 5/24/1995
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 13 **DIST/DIR:** 0.57 SW **MAP ID:** 14

NAME: FORMER UST AREA
ADDRESS: 55 SAMUEL BARNET BLVD
NEW BEDFORD MA

CONTACT:

REV: 10/30/06
ID1: 4-0019456
ID2:
STATUS: TIER1D
PHONE:

SITE INFORMATION

STATUS: - Tier1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.

LOCATION TYPE:
SOURCE:
SITE DESCRIPTION:

CHEMICALS

SITE ACTIONS

ACT DATE: 12/29/2005
ACT USE LIMITATION:
LSP: MICHAEL CLAR
ACT STATUS: TECHNICAL SCREEN AUDIT
ACT TYPE: RELEASE ABATEMENT MEASURE
RAO CLASS:

ACT DATE: 11/7/2005
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE NOTIFICATION
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 15 **DIST/DIR:** 0.69 SE **MAP ID:** 15

NAME: POLAROID WWTP FACILITY
ADDRESS: 100 DUCHAINE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 02/10/06
ID1: 4-0016316
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

STATUS: TIER 2 - A site/release receiving a total NRS score less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (CMR 40.0520(2)(a)). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categoricallyTier 2 sites.

LOCATION TYPE: INDUSTRIAL,
SOURCE: VALVE PIT;
SITE DESCRIPTION:

CHEMICALS

SULFURIC ACID 2400 GAL

SITE ACTIONS

ACT DATE: 6/18/2002
ACT USE LIMITATION:
LSP: IAN PHILLIPS
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHASE 1
RAO CLASS:

ACT DATE: 6/18/2004
ACT USE LIMITATION:
LSP: IAN PHILLIPS
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHASE 2
RAO CLASS:

ACT DATE: 8/9/2002
ACT USE LIMITATION:
LSP: IAN PHILLIPS
ACT STATUS: LEGAL NOTICE PUBLISHED
ACT TYPE: TIER CLASSIFICATION
RAO CLASS:

ACT DATE: 6/18/2004
ACT USE LIMITATION:
LSP: IAN PHILLIPS
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: PHASE 3
RAO CLASS:

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 15 **DIST/DIR:** 0.69 SE **MAP ID:** 15

NAME: POLAROID WWTP FACILITY
ADDRESS: 100 DUCHAINE BLVD
NEW BEDFORD MA 02745
CONTACT:

REV: 02/10/06
ID1: 4-0016316
ID2:
STATUS: RAO
PHONE:

ACT DATE: 7/20/2001
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE NOTIFICATION
RAO CLASS:

ACT DATE: 11/29/2001
ACT USE LIMITATION:
LSP: IAN PHILLIPS
ACT STATUS: COMPLETION STATEMENT RECEIVED
ACT TYPE: IMMEDIATE RESPONSE ACTION
RAO CLASS:

ACT DATE: 6/18/2001
ACT USE LIMITATION:
LSP: IAN PHILLIPS
ACT STATUS: REPORTABLE RELEASE UNDER MGL 21E
ACT TYPE: RELEASE DISPOSITION
RAO CLASS:

ACT DATE: 6/24/2005
ACT USE LIMITATION:
LSP: IAN PHILLIPS
ACT STATUS: WRITTEN PLAN RECEIVED
ACT TYPE: PHASE 4
RAO CLASS:

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 9 **DIST/DIR:** 0.75 NE **MAP ID:** 16

NAME: ASHLEY TIRE and AUTO
ADDRESS: 4227 ACUSHNET AVE
NEW BEDFORD MA 02745
CONTACT:

REV: 3/12/04
ID1: 4-0001324
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

STATUS: RAO - (Response Action Outcome): a site/release where an RAO statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.

LTBI: 7/15/1993
DELETED:
CONFIRMED: 7/15/1993
REMOVED:

CATEGORY: NONE
DATE: 7/15/1993
PHASE:
21E STATUS: RAO
21E DATE: 12/23/2003
HAZMAT TYPE:

RAO CLASS: A3 - A PERMANENT SOLUTION

LOCATION TYPE: GASSTATION,
SOURCE: UST;
SITE DESCRIPTION: GAS STATION; CONTAINED IN A LUST; RELEASE TO SOIL; GASOLINE PRESENT; GROUNDWATER RELEASE;

OTHER CONTAMINATION:
OTHER RELEASES:
OTHER PROBLEMS:
OTHER TYPE OF SITE:

CHEMICALS

UNKNOWN CHEMICAL OF UNKNOWN TYPE

SITE ACTIONS

TS DATE: 5/3/1994
AUL RESTRICTION:
LSP: PAUL MCMANUS
RA STATUS: WRITTEN PLAN RECEIVED
RAS TYPE: RELEASE ABATEMENT MEASURE
RAO CLASS:

TS DATE: 5/3/1994
AUL RESTRICTION:
LSP: PAUL MCMANUS
RA STATUS:
RAS TYPE: TIER CLASSIFICATION
RAO CLASS:

- Continued on next page -

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 9 **DIST/DIR:** 0.75 NE **MAP ID:** 16

NAME: ASHLEY TIRE and AUTO
ADDRESS: 4227 ACUSHNET AVE
NEW BEDFORD MA 02745
CONTACT:

REV: 3/12/04
ID1: 4-0001324
ID2:
STATUS: RAO
PHONE:

TS DATE: 7/27/1994
AUL RESTRICTION:
LSP: PAUL MCMANUS
RA STATUS: COMPLETION STATEMENT RECEIVED
RAS TYPE: RELEASE ABATEMENT MEASURE
RAO CLASS:

ACT DATE: 1/5/2004
ACT USE LIMITATION:
LSP:
ACT STATUS: TSAUD
ACT TYPE: TECHNICAL SCREEN AUDIT
RAO TYPE:

ACT DATE: 1/15/2003
ACT USE LIMITATION:
LSP: RICHARD RHEA
ACT STATUS: T2EXT
ACT TYPE: TIER 2 EXTENSION
RAO TYPE:

ACT DATE: 1/8/2004
ACT USE LIMITATION: NONE
LSP: RICHARD RHEA
ACT STATUS: TSAUD
ACT TYPE: TECHNICAL SCREEN AUDIT
RAO TYPE: A3 - A PERMANENT SOLUTION HAS

ACT DATE: 7/15/1993
ACT USE LIMITATION:
LSP:
ACT STATUS: TCTRNS
ACT TYPE: VALID TRANSITION SITE
RAO TYPE:

ACT DATE: 12/18/2002
ACT USE LIMITATION:
LSP: RICHARD RHEA
ACT STATUS: CSRCVD
ACT TYPE: COMPLETION STATEMENT RECEIVED
RAO TYPE:

Environmental FirstSearch
Site Detail Report

Target Property: 241 DUCHAINE BLVD
NEW BEDFORD MA 02745

JOB: W-3839

STATE

SEARCH ID: 17 **DIST/DIR:** 0.79 NE **MAP ID:** 17

NAME: RTE 18
ADDRESS: 4162 ACUSHNET AVE
NEW BEDFORD MA 02745
CONTACT:

REV: 1/16/02
ID1: 4-0013946
ID2:
STATUS: RAO
PHONE:

SITE INFORMATION

CATEGORY: TWO HR
DATE: 6/15/98
PHASE:

21E STATUS: DEF TIER 1B
21E DATE: 6/22/99
HAZMAT TYPE: OIL

RAO CLASS:

LOCATION TYPE: RESIDNTIAL,
SOURCE: PIPE;
SITE DESCRIPTION:

CHEMICALS

PETROLEUM BASED OIL 125 GAL

SITE ACTIONS

ACT DATE: 06/15/1998
ACT USE LIMITATION:
LSP:
ACT STATUS: REPORT
ACT TYPE: REL
RAO TYPE:

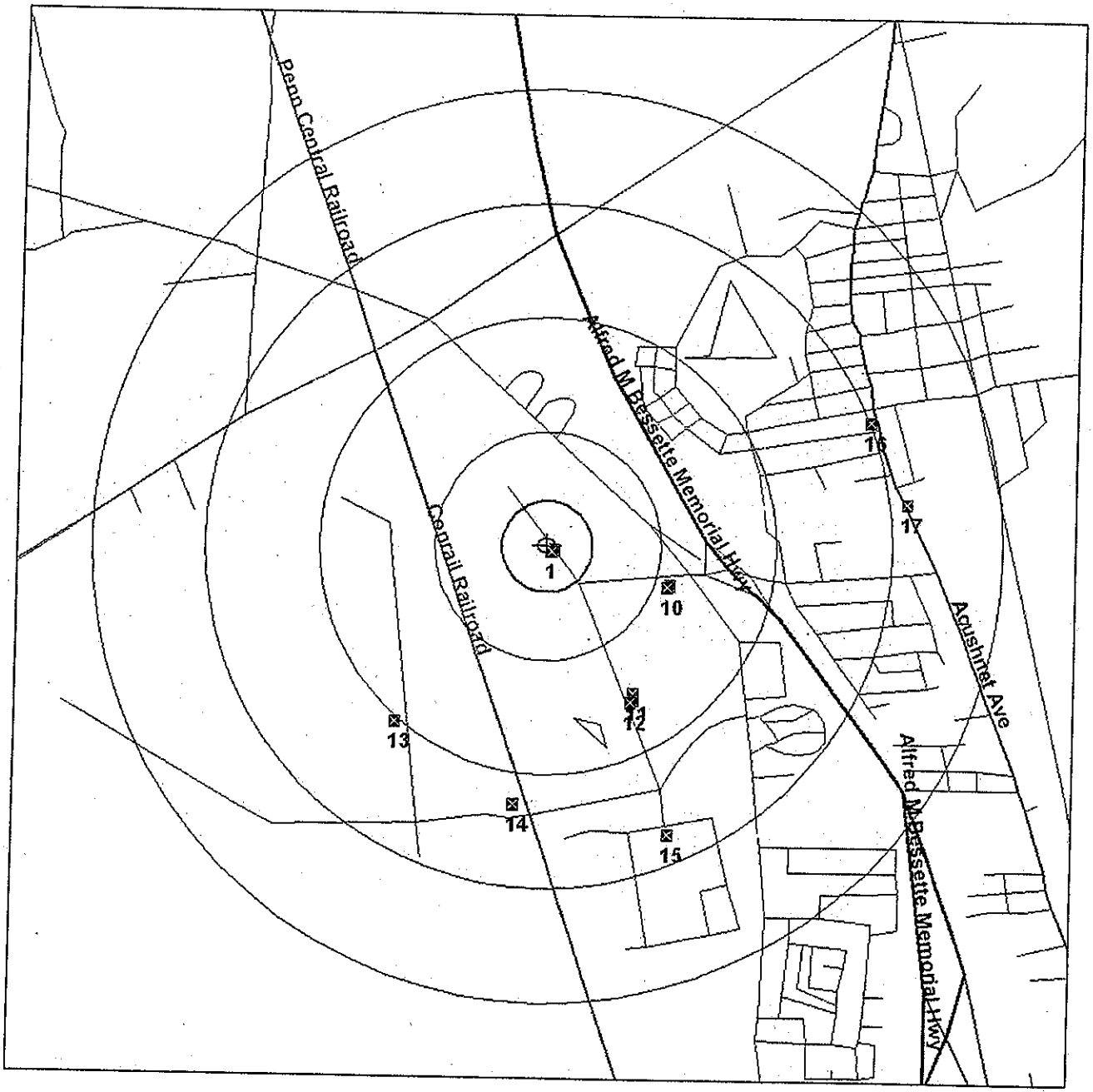
ACT DATE: 06/15/1998
ACT USE LIMITATION:
LSP:
ACT STATUS: ORAL APPROVAL OF PLAN
ACT TYPE: IRA: IMMEDIATE RESPONSE ACTION
RAO TYPE:

Environmental FirstSearch

1 Mile Radius

ASTM Map: NPL, RCRACOR, STATE Sites

241 DUCHAINE BLVD, NEW BEDFORD MA 02745



Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 41.728064 Longitude: -70.957216)

Identified Site, Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand

Railroads

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

Environmental FirstSearch

.5 Mile Radius

ASTM Map: CERCLIS, RCRATSD, LUST, SWL

241 DUCHAINE BLVD, NEW BEDFORD MA 02745

Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 41.728064 Longitude: -70.957216)

Identified Site, Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand

Railroads

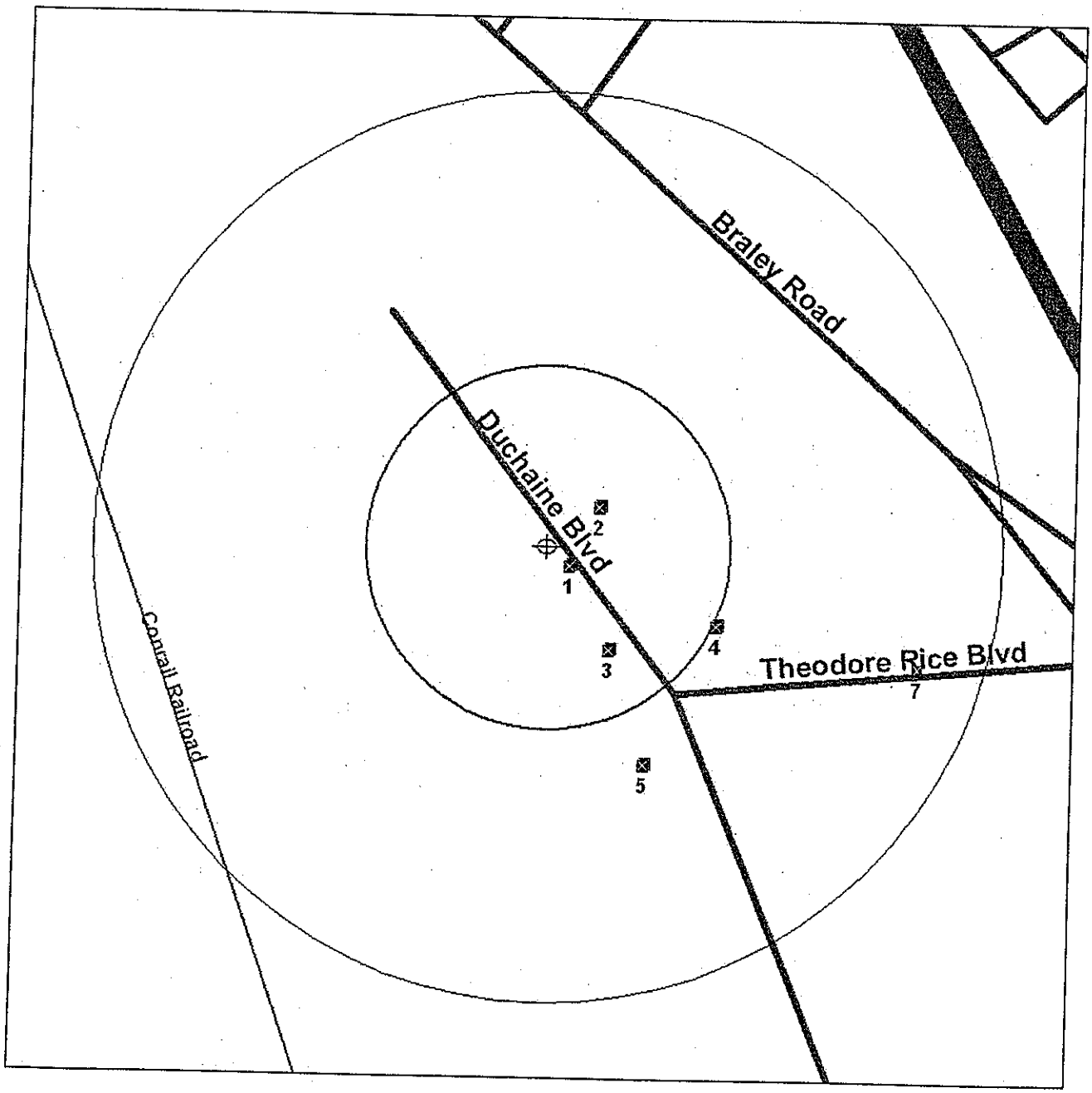
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRAGEN, ERNS, UST

241 DUCHAINE BLVD, NEW BEDFORD MA 02745



Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 41.728064 Longitude: -70.957216)

Identified Site, Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand

Railroads

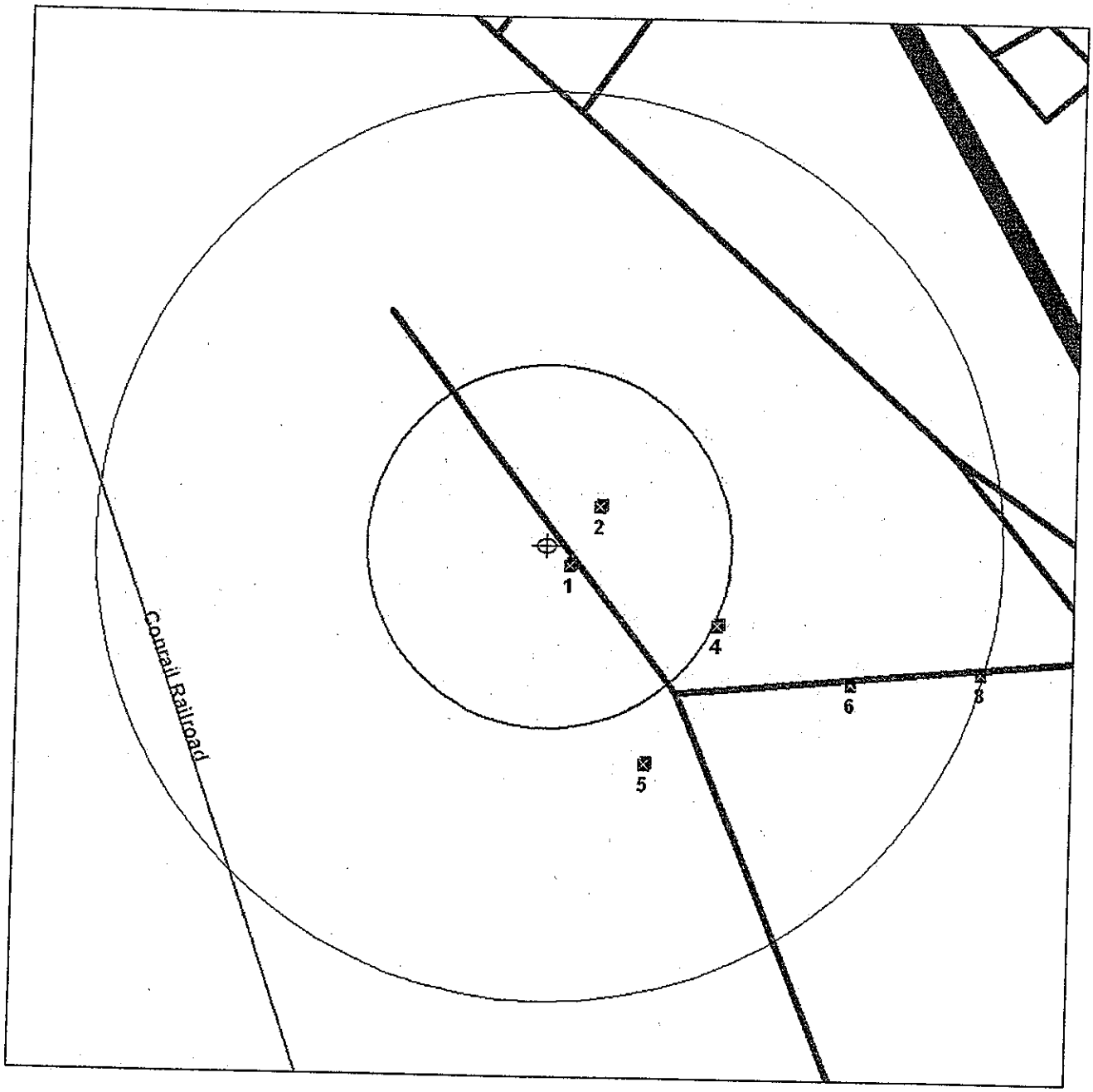
Black Rings Represent 1/4 Mile Radius: Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.25 Mile Radius

Non-ASTM Map: Spills 90

241 DUCHAINE BLVD, NEW BEDFORD MA 02745



Source: 2005 U.S. Census TIGER Files

Target Site (Latitude: 41.728064 Longitude: -70.957216)

Identified Site, Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand

National Historic Sites and Landmark Sites

Railroads

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

Tighe&Bond
Consulting Engineers
Environmental Specialists

W-3839
April 18, 2008

City of New Bedford
Mayor's Office
133 William Street
New Bedford, MA 02740

Attention: Mayor Scott W. Lang

Re: Submittal of a Phase I Initial Site Investigation
and Tier II Classification
Former Polymerine
241 Duchaine Boulevard
New Bedford, Massachusetts
DEP RTN 4-1347

Dear Mayor Lang:

In accordance with the Public Notification Procedures of the Massachusetts Contingency Plan 310 CMR 40.0703(8), we are hereby notifying you of the submittal to the Massachusetts Department of Environmental Protection (DEP) of a Phase I Initial Site Investigation (ISI) for the above referenced site. The Phase I report is accompanied by a Tier Classification submittal, which has determined that this site is a Tier II Disposal Site. Attached is a copy of the Legal Notice for the above referenced property that will be published in the April 21, 2008 edition of the New Bedford Standard Times.

Based on environmental reports prepared to date, impacts to the site exist that are primarily related to polychlorinated biphenyls (PCBs) being present in soil and on building materials. Therefore, to characterize the extent of contamination, additional soil, groundwater and wetland assessments will be conducted at the site as part of a Phase II Comprehensive Site Assessment (CSA).

A copy of the Phase I/tier Classification Report is available for review in the City's Department of Environmental Stewardship. In addition, a copy of the report is available for public review at the Southeast Regional Office of the DEP at 20 Riverside Drive in Lakeville, Massachusetts. DEP public file review sessions are conducted on Tuesdays and Wednesdays from 9:00-11:30 a.m. and 2:00-4:30 P.M. For more information about file review, the file review coordinator can be contacted at (508) 946-2718..

Tighe&Bond
Consulting Engineers
Environmental Specialists

If you have any questions regarding this correspondence, please feel free to contact me at (508) 471 9621.

Very truly yours,

TIGHE & BOND, INC.

Marc J. Richards, P.E., LSP
Project Manager/Office Manager

cc: City of New Bedford Health Department
Massachusetts DEP – Southeast Regional Office
Scott Alfonse – City of New Bedford Department of Environmental Stewardship
File

NOTICE OF AN INITIAL SITE INVESTIGATION AND TIER II CLASSIFICATION

Former Polymerine
241 Duchaine Boulevard
New Bedford, Massachusetts
DEP RTN 4-1347

Pursuant to the Massachusetts Contingency Plan (MCP, 310 CMR 40.0480), an Initial Site Investigation has been performed at the above referenced location. A release of oil and/or hazardous materials has occurred at this location which is a disposal site (defined by Massachusetts General Law (M.G.L.) c. 21E, Section 2). This site has been classified as **Tier II**, pursuant to 310 CMR 40.0500. The City of New Bedford will conduct response actions at this site in accordance with the MCP.

M.G.L. c. 21E and the MCP provide additional opportunities for public notice of and involvement in decisions regarding response actions at disposal sites: 1) The Chief Municipal Official and Health Department of the community in which the site is located will be notified of major milestones and events, pursuant to 310 CMR 40.1403; and 2) Upon receipt of a petition from ten or more residents of the municipality in which the disposal site is located or of a municipality potentially affected by a disposal site, a plan for involving the public in decisions regarding response actions at the site will be prepared and implemented, pursuant to 310 CMR 40.1405.

To obtain more information on this disposal site and the opportunities for public involvement during its remediation, please contact **Marc J Richards, Tighe & Bond, Inc., 446 Main Street, 13th Floor, Worcester, Massachusetts 01608 at (508) 471-9621.**