

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

Westborough State Hospital Campus-West/Northborough 288 Lyman Street Westborough, MA 01581

Shaw Project No. 148370

February 8, 2013

# Prepared for:

Commonwealth of Massachusetts
Division of Capital Asset Management & Maintenance
One Ashburton Place
Boston, MA 02108

Prepared by:

Shaw Environmental, Inc. 150 Royall St. Canton, MA 02021

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# Preparer:

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional, or have worked under the supervision or responsible charge of a person meeting the definition of environmental professional, as defined in §312.10 of 40 CFR.

Edward P. Van Doren, P.E., LSP

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Client Program Manager

#### Reviewer:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312, and

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Elizabeth S. Krol, P.G. Client Program Manager

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#### **EXECUTIVE SUMMARY**

Shaw Environmental, Inc. (Shaw) has completed a Phase I Environmental Site Assessment (ESA) of the property located at 288 Lyman St in Westborough, Worcester County, Massachusetts and associated land in Westborough and Northborough, Massachusetts (Subject Property). The performance of the Phase I ESA was requested and is intended for use by Commonwealth of Massachusetts, Division of Capital Asset Management & Maintenance (DCAMM).

As part of the Phase I ESA, Shaw reviewed federal and state environmental records, local regulatory records, historical aerial photographs, topographic maps and other data, conducted a site inspection, and performed interviews. Assessment activities have revealed the following findings and conclusions regarding the Subject Property and surrounding properties.

The Subject Property is located in both Westborough and Northborough, MA and consists of approximately 186 +/- acres of land according to the Client with noted improvement. According to records maintained by the Westborough and Northborough, MA Assessor's Departments, the Subject Property is comprised of six tax-key parcels (Westborough ID's 38-1-0, 38-2-0, and 34-141-0; Northborough ID's 215/86-1, 86-2, and 91-1). The Subject Property is situated among other Westborough State Hospital land and land owned by the state and Massachusetts Department of Fish and Game that is not within the scope of work of this Phase I ESA. Therefore, acreage that is reported with the above-listed parcels by the Westborough and Northborough Assessor's Departments is greater than the acreage applicable to the scope of work. The property record cards noted the Commonwealth of Massachusetts as the registered owner and/or taxpayer associated with the Subject Property. A copy of pertinent property record card information is enclosed within **Appendix H**.

The main campus consists of multiple buildings formally used as the Westborough State Hospital. These buildings include administration, maintenance facilities, hospitals, laundry, kitchen, cafeteria, housing, a power plant, office buildings, and other support facilities. Areas also part of the Westborough State Hospital property located beyond the main campus include water towers for water supply, residential treatment, offices, facilities maintenance areas, agricultural lands, and open and wooded areas for recreational use.

Various quantities of hazardous substances, or potentially hazardous substances, were observed during the site reconnaissance and include 1-liter containers of iodine solution, used paint cans, miscellaneous chemicals, cleaners, oils, and waste oils, a wet chemical fire system, various containers of grease, 55-gallon drums of grease trap cleaner, drums of liquid bacterial odor control, lead-acid batteries, a propane tank for emergency lighting use, and anti-freeze. In addition, a significant amount of old pipe insulation was discarded on the basement area floor of the kitchen and cafeteria. Two petroleum aboveground storage tanks (ASTs), which consist of a 275 gallon #2 fuel oil and a 300 gallon gasoline AST.

The Subject Property is included within several state environmental databases associated with uncontrolled releases, including State Hazardous Waste Sites (SHWS), reportable release (RELEASE), and leaking underground storage tank (LUST) databases. In addition, the Subject Property is also associated with additional environmental databases not associated with uncontrolled releases, including FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FIFRA/TSCA Tracking System (FTTS) and Historic (HIST) FTTS; Aerometric Information Retrieval System

(AIRS); Facility Index System (FINDS); Hazardous Materials Information Reporting System (HMIRS); and Hazardous Waste Manifest Data (MANIFEST) databases. Based on their regulatory status, these listings are not believed to represent RECs at the Subject Property. No further action or investigation is recommended.

Based on site reconnaissance and review of environmental databases, *recognized environmental conditions* (RECs) were identified in connection with the Subject Property and include the following:

This assessment has revealed the following conditions that provide evidence of recognized environmental conditions (RECs) in connection with the Subject Property.

- <u>Dumping Area</u> In 2007, soil was sampled for lead from a test pit in the former dumping area. The
  resulting lead concentration was reported as 3,590 mg/kg triggering a release notification under
  the MCP. The site was assigned RTN 2-0016896 on 11/28/2007. Based on the Massachusetts
  Department of Environmental Protection (MA DEP) eDEP website file review, no further action
  was taken with regard to this release and the site was assigned the MA DEP default Tier ID
  classification. The site requires further response actions be completed under the MCP.
- <u>Sewer Beds</u> The sewer beds are considered a potential source of subsurface contamination including organic and inorganic contaminants. The presence of monitoring wells in the area may indicate that possible investigations have been conducted for this area.
- <u>Heath Storage</u> Soils on the floor of this barn appear to have some form of staining associated with them indicating the possibility of a release.

Shaw has completed a Phase I ESA of the property located at 288 Lyman St in Westborough, Worcester County, Massachusetts and associated land in Westborough and Northborough, Massachusetts (Subject Property). Any exceptions to, or deletions from, this practice are described in *Section 8.0* of this report.

This assessment has revealed evidence of RECs in connection with the Subject Property, and include:

- Lead in test pit soils associated with the dumping area
- Organic and inorganic contaminants release to the subsurface from the sewer beds
- Stained soils in the Heath Storage barn

Further action or investigation of these areas is recommended.

Further action or investigation of these areas is recommended. In addition, Shaw observed suspect asbestos-containing materials, including damaged and/or friable pipe wrap and 9x9" floor tiles, in various buildings at the subject property. Peeling paint was observed on the walls and ceiling of various buildings onsite. Shaw recommends that a hazardous building materials assessment be conducted to identify potential hazardous materials such as asbestos, lead, mercury in light ballasts and PCBs in caulk.

# 1.0 INTRODUCTION

# 1.1 Purpose

Commonwealth of Massachusetts, Division of Capital Asset Management & Maintenance (DCAMM) (the Client) retained Shaw to conduct a Phase I Environmental Site Assessment (ESA) of the following property and associated land:

Westborough State Hospital Campus 288 Lyman Street Westborough, MA (Hereinafter referenced as the Subject Property)

The purpose of a Phase I ESA is to identify, to the extent feasible, *recognized environmental conditions* (RECs) in connection with the Subject Property. ASTM International defines the following related terms:

The term *recognized environmental conditions* means 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. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

The term *hazardous substance* is a substance defined as hazardous pursuant to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) 42 USC § 9601(14), and as interpreted by USEPA regulations and the courts.

The term *petroleum products* is defined as those substances included within the meaning of the petroleum exclusion to CERCLA 42 USC § 9601(14), as interpreted by the courts and USEPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of CERCLA 42 USC § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

The term *historic recognized environmental condition* means the presence of 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* at the time the Phase I ESA is conducted.

#### 1.2 Scope of Services

This Phase I ESA was performed and completed in accordance with ASTM International's Designation: E 1527-05, and the *Professional Service Agreement* between Shaw and DCAMM, with authorization to proceed received on December 7, 2012.

This Phase I ESA satisfies the requisite "inquiry by an environmental professional" pursuant to 40 CFR §312.21 and is comprised of the following four components: records review, site reconnaissance,

interviews, and this report. A qualified Environmental Professional meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b) completed the scope of services and/or supervised or was responsible for the person who completed the scopes of service. The scopes of service associated with these four components are outlined below.

#### 1.2.1 Records Review

Shaw conducted a review of environmental, regulatory, physical setting, and historical record sources.

#### 1.2.1.1 Environmental Record Sources

The environmental record review included a review of federal, state, tribal, and local databases as maintained by the United States Environmental Protection Agency (EPA) and respective state, tribal, and local environmental regulatory agencies.

- Federal Standard Databases
  - National Priorities List (NPL)
  - De-listed NPL List
  - Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) list
  - No Further Remedial Action Planned (CERCLIS-NFRAP) list
  - Resource Conservation and Recovery Information System (RCRIS) generators list
  - Corrective Action Report (RCRIS-CORRACTS) list
  - Non-CORRACTS Treatment Storage and Disposal (TSD) list
  - Emergency Response Notification System (ERNS) list
  - Institutional Control/Engineering Control (IC/UC) or Activity and Use Limitation (AUL) registries
- State/Tribal/Local Standard Databases
  - Hazardous Waste Sites (SHWS) or State/Tribal/Local- equivalent NPL or CERCLIS list
  - Solid Waste Facilities and Landfills (SWF/LF) list
  - Registered Storage Tanks (AST/UST) list
  - Leaking Underground Storage Tanks (LUST)
  - Institutional Control/Engineering Control (IC/UC or AUL) registries
  - Voluntary Cleanup Sites (VC)
  - Brownfield sites list

# 1.2.1.2 Physical Setting Sources

If readily available, Shaw reviewed the following sources to determine physical setting characteristics:

- USGS topographic maps
- Aerial photographs
- Local geology and hydrogeology information.

#### 1.2.1.3 Current and Historical Use Information

If readily available, Shaw reviewed the following sources to determine current and historic use information:

- Current and historic aerial photos
- Current and historic topographic maps

- Fire insurance maps
- Recorded land title records
- Local street directories
- Building department and/or zoning records
- Property tax records and maps
- Health department records
- Previous environmental reports, if provided.

#### 1.2.2 Site Reconnaissance

The Subject Property was evaluated for evidence of RECs. The purpose of the evaluation was to identify on-site conditions including, but not limited to: indications of hazardous materials/wastes or petroleum products; the presence of underground/aboveground storage tanks; hydraulic or electrical equipment known to potentially contain polychlorinated biphenyls (PCBs); on-site sewage disposal systems; wells; stressed vegetation, stained soils, or odors that may be indicative of waste management practices; types of wastes generated; management of wastes (i.e., wastewater, solid waste, etc.); and operation and maintenance activities. Additional information related to surface characteristics, topography, drainage, and structures was also gathered during the site reconnaissance.

As part of the site reconnaissance, Shaw personnel attempted to identify adjoining property characteristics, operations, or facilities that may constitute a REC and potentially affect the Subject Property. Adjoining property information was obtained via visual evaluations from the perimeter of the Subject Property and from public access locations.

#### 1.2.3 Interviews

Reasonable attempts were made to interview persons with actual or constructive knowledge of current and/or past uses of the Subject Property and adjoining properties. In an effort to obtain information regarding potential RECs in connection with the Subject Property, Shaw attempted to interview the following individuals and/or entities:

- Property owner or representative of the owner, if provided
- Key site manager, if any
- Building occupant, major occupants or facility managers, if any
- Federal, state, tribal or local environmental agencies, if applicable
- Local government officials (i.e., tax assessor, land use planner, conservation commission, etc.)
- Other contacts (i.e., environmental consultants retained by the property owner or occupants).

# 1.2.4 Report

This Phase I ESA report includes the documentation to support the analysis, opinions, and conclusions obtained by a qualified Environmental Professional. Within this report, supporting documentation and information sources are documented, including those that reveal no findings, to facilitate reconstruction of this assessment at a later date. Deletions, deviations, and additions, if any, from ASTM International's Designation: E 1527-05 are listed in detail.

# 1.3 Significant Assumptions

In performing this assessment, and preparing this assessment report, Shaw made the following assumptions:

- Actual knowledge and information supplied by others is complete and accurate, and has been provided in good faith.
- Information provided by local public record sources is complete and accurate.
- Information provided by the environmental records database vendor is complete and accurate.
- Uses of the Subject Property, as evidenced by historical records, remained substantially unchanged during periods for which no records are available.

#### 1.4 Limitations on Work Product

Shaw Environmental, Inc. has reviewed the information concerning the Subject Property, and prepared a report in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable environmental consultants. The information contained in this report, including its conclusions, is based on the information which was made available to Shaw Environmental, Inc. during the investigation and upon the services described, which were performed within the time and budgetary requirements of Client. Because the report was based on available information not within the control of Shaw Environmental, Inc., some of its conclusions could be different if the information upon which it is based is determined to be false, inaccurate, or contradicted by additional information.

Shaw Environmental, Inc. makes no representation concerning the legal significance of its findings or the value of the property investigated. Shaw Environmental, Inc. has no contractual liability to third parties for the information or opinions contained in this report. The use of this report or any information contained therein by any third party shall be at such party's sole risk.

The findings of the report are limited to those specifically expressed in the report and to the time of the report and no other representations or warranties are given by Shaw and no additional conclusions should be reached or representations relied on other than those expressly stated in the report. Shaw has no obligation to update this report.

#### 1.5 Special Terms and Conditions

This Phase I ESA was completed in accordance with the proposal authorized Commonwealth of Massachusetts, Division of Capital Asset Management & Maintenance (DCAMM), and is subject to the terms, conditions, and limitations declared in the *Professional Service Agreement*.

#### 1.6 User Reliance

This Phase I ESA report has been prepared for the exclusive use of Commonwealth of Massachusetts, Division of Capital Asset Management & Maintenance (DCAMM).

# 2.0 SITE DESCRIPTION

# 2.1 Location and Legal Description

Figure 1 illustrates the general location of the Subject Property.

Westborough State Hospital Campus 288 Lyman Street Westborough, MA (Hereinafter referenced as the Subject Property)

# **Brief Legal**

WESTBOROUGH STATE HOSPITAL CAMPUS PARCEL ID 38-1-0 [AND ASSOCIATED LAND]

# Tax Key Parcel Number

Westborough: 38-1-0 (Lyman St) 38-2-0 (Lyman St) 34-141-0 (167 Lyman St)

Northborough: 215/86-1 (Lyman St) 215/86-2 (Lyman St) 215/91-1 (Off Lyman St)

# Approximate Latitude, Longitude

Latitude: N 42.3025000° Longitude: W 71.6115000°

#### 2.2 Site and Vicinity General Characteristics

**Figure 2** illustrates the general land use in the vicinity of the Subject Property. Photographs of the Subject Property and adjoining properties are enclosed within **Appendix A**.

The Subject Property is located within the Westborough State Hospital Campus and is comprised of six tax-key parcel of land totaling approximately 186 +/- acres.

Based on historical records, development of the Subject Property occurred in approximately 1908. The parcel is currently zoned DMH-R and State land.

#### 2.3 Current Use of the Property

The main campus consists of multiple buildings formally used as the Westborough State Hospital. These buildings include administration, maintenance facilities, hospitals, laundry, kitchen, cafeteria, housing, a power plant, office buildings, and other support facilities. Most of these buildings and facilities are

currently not in use and for the most part are closed and without heat or electric power. However, the following facilities are still in use:

- A portion of the Power Plant for maintenance of electric service to portions of the property.
- A portion of the Maintenance Building, adjacent to the Power Plant, which is being used for storage.
- Department of Youth Services (DYS) areas as designated on Figure 4.

Beyond the main campus the following areas are also part of the Westborough State Hospital property and are in use:

- Water towers for water supply.
- Chauncy Hall for residential treatment.
- The Hadley Building, which is being used for offices and facilities maintenance.
- Area behind the Maintenance Building currently being used to support surplus motor vehicle auctions and sales.
- Agricultural lands.
- Open and wooded areas for recreational use.

#### 2.4 Description of Structures, Roads and Other Improvements

- Daniel and Hennesey Buildings- Two three story concrete and brick buildings. Not currently in use. Prior use was a hospital building.
- Codman Building- Two story brick building, currently not in use. The prior use is unknown.
- Talbot Building- Two story brick building, currently not in use. The prior use is unknown.
- **Childs Building** Two story brick building with basement, currently not in use. Prior use appeared to be a clinic or hospital.
- Sharp Building three story brick building, currently in use.
- Home 4 Two story wood frame building with basement, currently not in use.
- Home 3 Two story wood frame building with basement, currently not in use.
- Renaissance House Two story wood frame building with basement, currently not in use.
- Liberty House Two story wood frame building with basement, currently not in use.
- Doctors' Apartments Two story wood frame building with basement, currently not in use.
- Westlake Academy Two story wood frame building with basement, currently not in use.
- Osgood Cottage Two story wood frame building with basement, currently not in use.
- Farm Office Two level concrete block building, currently used for equipment storage.
- Power Plant Concrete and brick building. Currently used as an electrical distribution to the property. Prior use for steam and electric power generation for the main campus and other buildings.
- Maintenance Building (Maintenance Shop)- Single story concrete block, currently not in use.
   Prior use was as a maintenance shop for the facility.
- **Laundry Building-** Single story brick and concert building with basement, currently not in use. Prior use was a laundry building.
- Auditorium- One story brick building with basement, currently not in use. Prior use was an auditorium.

- **Main Storeroom (Store House**)- One story brick building with basement, currently not in use. Prior use was storage for food and supplies of the facility.
- Cafeteria and Kitchen- One and two story brick building with basement level, currently not in use. Prior use was as a cafeteria for the facility.
- Administration Building- Three story brick building, currently not in use. Prior use was as a
  administration building.
- **RF Kennedy School** Two story brick building, currently not in use. Prior use was as a school building.
- Paine Hall Four story brick building, currently in use.
- **Discovery House** Two story wood frame building with basement, currently not in use.
- Genesis House Two story wood frame building with basement, currently not in use.
- Horizon House Two story wood frame building with basement, currently not in use.
- Engineer's House Demolished.
- Salvage Yard One story concrete block building, currently not in use.
- Chauncy Hall Two story brick building, currently in use.
- **Heath Storage Barn** Single story wood frame building with corrugated metal exterior. Floor is dirt at grade. Currently not in use. Prior use was for equipment storage.
- Low Pole Barn Single story wood frame building with corrugated metal exterior. Floor is concrete slab on grade. Currently not in use. Prior use was for equipment storage
- .Houghton House Demolished
- **Green House** Glass and steel framed greenhouse structure with basement level, currently not in use.
- Main Garage Two level concrete block building, currently not in use.
- Hadley Building 5 story brick and concrete office building. Currently in use as an office building.
- Storage Hut One story steel Quonset hut storage building, currently used for materials storage.
- Night Engineer's Building Two story brick and stucco faced building, currently not in use.

Photographs of buildings are enclosed within **Appendix A**.

Most of the Subject Property buildings and facilities are currently not in use and for the most part are closed and without heat or electric power. Portions of the Subject Property that are in operation are serviced by the following municipal and/or private utility companies.

Utility	Utility Provider	Comments
Natural Gas		Propane is used
Electric	NStar	
Sanitary Sewer	Town of Westborough	
Water	Massachusetts Water	
	Resources Authority	

Ingress/egress onto the Subject Property is provided by asphalt paved parking and drive areas and unpaved drive areas extending from Lyman Street.

# 2.5 Current Use of Adjoining Properties

**Figure 2** illustrates the general land use in the vicinity of the Subject Property. Photographs of the Subject Property and adjoining properties are enclosed within **Appendix A**.

#### 2.5.1 North

The property is bordered to the north by industrial properties.

The northern-adjoining properties are at higher topographic elevations relative to the Subject Property. No visual indications of RECs in connection with the Subject Property were observed by Shaw at the time of the site reconnaissance.

#### 2.5.2 South

The Subject property is bordered to the south by Chauncy Lake followed by residential properties. Farther south is Boston Worcester Turnpike.

The southern-adjoining properties are at higher topographic elevations relative to the Subject Property. No visual indications of RECs in connection with the Subject Property were observed by Shaw at the time of the site reconnaissance.

#### 2.5.3 East

The Subject Property is bordered to the east by agricultural fields and residential properties. To the northeast of the Subject Property industrial buildings adjoin the property.

The eastern-adjoining properties are at higher topographic elevations relative to the Subject Property. No visual indications of RECs in connection with the Subject Property were observed by Shaw at the time of the site reconnaissance.

# 2.5.4 West

Residential properties and Juniper Hill Golf Course adjoin the Subject Property to the west.

The western-adjoining properties are at higher topographic elevations relative to the Subject Property. No visual indications of RECs in connection with the Subject Property were observed by Shaw at the time of the site reconnaissance.

# 3.0 USER-PROVIDED INFORMATION

The user of the report has provided the following information:

#### 3.1 Title Records

No recorded land title records were provided for review.

#### 3.2 Environmental Liens or Activity and Land Use Limitations

No environmental liens or activity and land use limitations associated with the Subject Property were provided for review. However, Shaw contracted Environmental Data Resources, Inc. (EDR) to conduct an environmental lien search and land use limitation search for the various Subject Property parcels as part of the database package provided by EDR. Shaw is currently awaiting the environmental lien search reports from EDR.

#### 3.3 Specialized Knowledge

No specialized knowledge or experience was provided.

#### 3.4 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information was provided.

#### 3.5 Valuation Reduction for Environmental Issues

The owner/user indicated that the assessment and/or purchase price of the Subject Property is at a comparable, fair market value price. The assessment and/or purchase price is not affected by environmental factors.

#### 3.6 Owner/Property Manager Information

The Subject Property is owned by the following.

Commonwealth of Massachusetts
Division of Capital Asset Management & Maintenance
One Ashburton Place
Boston, MA 02108

# 3.7 Reason for Performing the Phase I ESA

The purpose of the Phase I ESA was to identify "recognized environmental conditions" in connection with the Site.

# 3.8 Previous Environmental Reports

No previous environmental site assessment reports were provided for review.

# 4.0 RECORDS REVIEW

#### 4.1 Standard Environmental Record Sources

Environmental Data Resources, Incorporated (EDR) was subcontracted to perform an environmental regulatory record search for the Subject Property and properties within respective, ASTM-recommended approximate minimum search distances. Shaw reviewed the environmental database records identified in the *EDR Radius Map<sup>TM</sup> Report with GeoCheck* (EDR Report). Considering the dense urban development and the distance that contaminants are likely to migrate based on local geological and hydrological conditions, Shaw has included information related to sites within a radius search distance of ¼ miles and upgradient relative to the Subject Property. The EDR Report is enclosed within **Appendix C**. Terms and database designations may differ from actual federal, state, or federal environmental registry names. Where deemed necessary or applicable, supplemental database records were reviewed and/or file reviews and conversations with regulatory agencies were completed.

#### 4.1.1 Federal Database Review

# 4.1.1.1 NPL - National Priority List

The National Priorities List (NPL) database is a registry of known releases associated with uncontrolled or abandoned hazardous waste, pollutants, or contamination sites identified for priority remedial actions under the federal Superfund Program.

The Subject Property is not identified in the NPL database. No NPL sites are identified within a 1-mile radius of the Subject Property.

#### 4.1.1.2 Proposed NPL

The Proposed National Priorities List (NPL) database is a registry of proposed NPL sites.

The Subject Property is not identified in the Proposed NPL database. No Proposed NPL sites are identified within a 1-mile radius of the Subject Property.

# 4.1.1.3 CERCLIS - Comprehensive Environmental Response, Compensation, and Liability Information System

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database is a registry of hazardous waste, pollutant, or contaminated sites identified by the EPA that are suspected or confirmed to have adversely impacted the environment and may require cleanup. CERCLIS database contains sites proposed to or on the NPL registry that are in the EPA screening and assessment process phase for possible inclusion on the NPL.

The Subject Property is not identified in the CERCLIS database. One CERCLIS site is identified within a ½-mile radius of the Subject Property. Fiba Tech Inc at 97 Turnpike Road is located south southeast and upgradient of the Subject Property. The site is not on the NPL but is listed under another cleanup activity as state-lead cleanup. The MA DEP recommended that the site be assigned a state lead status. A site-specific letter of recommendation was reportedly forwarded to EPA. The contamination was discovered 12/1/1983 and was under the responsibility of EPA as an EPA fund-financed site. The site was also associated with a State Hazardous Waste Site (SHWS) listing, where a response action outcome (RAO) was achieved, and a RCRA Non-Generator (Non-Gen) in 2005. The site was listed with an owner-operator start date of October 1994. The site was listed as a Small Quantity Generator (SQG) and a

Conditionally Exempt Small Quantity Generator (CESQG) in 2002 and 1983. No other information was available. Based on the regulatory status, groundwater flow, and/or distance from the Subject Property, this listing is not believed to impact the Subject Property at this time and is not considered a REC. No further action or investigation is recommended.

#### 4.1.1.4 CERCLIS - NFRAP - No Further Remedial Action Planned Sites

The CERCLIS-No Further Remedial Action Planned (NFRAP) database is a registry of CERCLIS sites where, following the EPA screening and assessment process, no contamination was found, contamination was removed without the need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

The Subject Property is not identified in the CERCLIS-NFRAP database. One CERCLIS-NFRAP site is identified within a ½-mile radius of the Subject Property. Doering Equipment at 176 East Main Street is located southeast and upgradient of the Subject Property. The site is not on the NPL. The contamination was discovered 4/11/1985 and had a preliminary assessment 9/30/1987. The site was also associated with a SHWS listing where a No Further Action (NFA) was achieved and therefore has been closed out. Based on the regulatory status, groundwater flow, and/or distance from the Subject Property, this listing is not believed to impact the Subject Property at this time and is not considered a REC. No further action or investigation is recommended.

# 4.1.1.5 RCRIS – LQG, SQG and CESQG-Resource Conservation and Recovery Information System Large, Small, and Conditionally Exempt Small Quantity Hazardous Waste Generators

The Resource Conservation and Recovery Information System (RCRIS) Large, Small, and Conditionally Exempt Small Quantity Hazardous Waste Generators (LQG, SQG, CESQG, respectively) database is a registry of sites which generate hazardous waste.

The Subject Property is not identified in the RCRIS database. No RCRIS-LQG and/or RCRIS-SQG sites are identified as adjoining the Subject Property. One CESQG site is identified within a ¼-mile radius of the Subject Property. FedEx Smartpost Inc. at 1 Beeman Street is located north and upgradient of the Subject Property. No violations are associated with the site. Based on the regulatory status, groundwater flow, and/or distance from the Subject Property, this listing is not believed to impact the Subject Property at this time and is not considered a REC. No further action or investigation is recommended.

# 4.1.1.6 RCRIS-TSDF - Treatment Storage Disposal Facility

The RCRIS Treatment Storage Disposal Facility (RCRIS TSDF) database is a registry of sites which treat, store, and/or dispose of hazardous waste.

The Subject Property is not identified in the RCRIS-TSDF database. No RCRIS-TSDF sites are identified within a ½-mile radius to the Subject Property.

#### 4.1.1.7 CORRACTS – RCRIS Corrective Action Report

The RCRIS Corrective Action Report (CORRACTS) database is a registry of hazardous waste sites/handlers identified as having a RCRA violation and subject to RCRA corrective actions.

The Subject Property is not identified in the CORRACTS database. No CORRACTS sites are identified within a ¼-mile radius of the Subject Property.

# 4.1.1.8 ERNS - Emergency Response Notification System

The Emergency Response Notification System (ERNS) database is a registry of reported releases of oil and hazardous substances. The database contains information from spill and emergency response reports provided by the National Response Center, Department of Transportation, EPA, and U.S. Coast Guard.

The Subject Property is not identified in the ERNS database.

#### 4.1.2 State Database Review

# 4.1.2.1 State Sites/Other - State Hazardous Waste Sites List and Reportable Releases

State hazardous waste site records (Emergency Repair Program sites) are the states' equivalent to CERCLIS, also recognized as State Hazardous Waste Sites (SHWS). These sites may or may not be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds are identified along with sites where potentially responsible parties will pay for cleanup. Reportable release (RELEASE) sites contain information on all releases of oil and hazardous materials that have been reported to MA DEP.

Considering the dense urban development and the distance that contaminants are likely to migrate based on local geological and hydrological conditions, the radius search distance has been reduced to ¼ mile and upgradient relative to the Subject Property.

The Subject Property is identified in the SHWS and RELEASE databases and additional SHWS and RELEASE sites are identified within a ¼-mile radius and upgradient of the Subject Property. These sites are discussed below.

Facility	Distance/Direction	*Gradient	Status
Westborough State	Subject Property	Subject	SHWS/RELEASE: B1 Release Action
Hospital		Property	Outcome (RAO) [Facility ID 2-0012359] - 20
Lyman St			gal transformer oil released to roadway,
			notification 8/2/98, closure 1/17/2001.
			According to MA DEP, benzo(b)flouranthene
			and TPH were detected at the site near the
			salvage yard and power plant UST areas but
			was less than the reportable concentrations
			in soil (RCS)-1 and RCS-2. A B1 RAO
			indicates remedial actions have not been
			conducted because a level of no significant
			risk exists.

Facility	Distance/Direction	*Gradient	Status
Westborough State	Subject Property	Subject	RELEASE: A2 RAO [Facility ID 2-0013490]
Hospital		Property	- release of gasoline from UST, associated
Lyman St			with a leaking UST (LUST); notification
			9/22/2000, closure 7/26/2006. According to
			MA DEP, two tanks were removed from site
			in 2000 and soil was also excavated.
			Monitoring wells were installed, oxygen
			reduction compound was applied, and a soil
			gas survey was completed at the site.
			Groundwater samples were also collected
			5/23/2005 and 6/16/2006, and soil samples
			•
			were collected 5/26/2006. An A2 RAO
			indicates a permanent solution has been
			achieved but contamination has not been
			reduced to background.
Westborough State	345 ft/ N	Upgradient	SHWS/RELEASE: A1 RAO [Facility ID 2-
Hospital			0010111] - 65 gal diesel fuel released,
75 Lyman St			notification 12/7/1993, closure 2/2/1994. An
(at or near Subject			A1 RAO indicates a permanent solution has
Property)			been achieved and contamination has been
			reduced to background or a threat of release
			has been eliminated.
Toys R Us Distribution	775 ft/ N	Upgradient	RELEASE: A1 RAO [Facility ID 2-0010043] -
Center			release of oil from a UST pipe, associated
1 Beeman Road			with a LUST listing; notification 10/14/1993,
			closure 10/11/1994. A permanent solution
			has been achieved and contamination has
			been reduced to background or a threat of
			release has been eliminated.
Toys R Us	775 ft/ N	Upgradient	SHWS/ RELEASE: A1 RAO [Facility ID 2-
1 Beeman Road			0012949]- release of diesel; notification
			9/23/1999, closure 2/11/2000. A permanent
			solution has been achieved and
			contamination has been reduced to
			background or a threat of release has been
			eliminated.
Ryder Integrated Logistics	782 ft/ N	Upgradient	SHWS/ RELEASE: A1 RAO [Facility IDs 2-
66 Lyman Street		9.000.000	0014936 & 2-0010384] - release of 23 gal
			and 10 gal of diesel and hydraulic fuel to
			roadway and catch basin; notifications
			10/1/2003 & 7/13/1994, closure 10/28/2003
			& 10/21/1994. Permanent solutions have
			been achieved and contamination has been
			reduced to background or threats of release
			have been eliminated.

Facility	Distance/Direction	*Gradient	Status
Durning Residence	426 ft/ SSE	Upgradient	RELEASE: A2 RAO [Facility ID 2-0014313] -
10 Baylor Avenue			release of fuel oil from UST, associated with
			LUST; notification 5/15/2002, closure
			6/12/2003. A permanent solution has been
			achieved but contamination has not been
			reduced to background.
Northborough Oil	461 ft/ SSE	Upgradient	RELEASE: A2 RAO [Facility ID 2-0015496] -
Company			release of #2 fuel oil from AST, associated
3 Baylor Avenue			with LAST; notification 11/26/2004, closure
			12/5/2006. A permanent solution has been
			achieved but contamination has not been
			reduced to background.
Kumar Residence	489 ft/ SSE	Upgradient	RELEASE: A2 RAO [Facility ID 2-0016663]-
6 Canfield Street			release of #2 fuel oil from AST & UST,
			associated with LAST & LUST; notification
			6/19/2007, closure 6/19/2008. A permanent
			solution has been achieved but
			contamination has not been reduced to
			background.

<sup>\*</sup>Gradient based on: (1) reported groundwater flow from subsurface investigations completed on the Subject Property or (2) relative elevations indicated by EDR.

Additional RTN's are associated the Subject Property that are on file with MA DEP but are not included in EDR's database search. These hazardous release incidents are discussed further in Section 4.3.6.8.

Based on the regulatory status, groundwater flow, and/or distance from the Subject Property, these listings are not believed to impact the Subject Property at this time and are not considered RECs. No further action or investigation is recommended.

#### 4.1.2.2 SWF/LF - Solid Waste Facilities/Landfill Sites

The solid waste facilities and landfill sites (SWF/LF) database is a registry of permitted solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that fail to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

The Subject Property is not identified in the SWF/LF database. No SWF/LF sites are identified within a ½-mile radius of the Subject Property.

# 4.1.2.3 AST/UST - Aboveground/Underground Storage Tanks

The Aboveground/Underground Storage Tank (AST/UST) database is a registry of regulated ASTs/USTs. USTs are regulated under Subtitle I of RCRA and are registered with the state department responsible for administering the UST program. Not all ASTs/USTs require notification and registration due to size and use provisions of applicable state regulations.

The Subject Property is not identified in the AST database. However, two petroleum ASTs were noted on the property as discussed in **Section 5.3.4** and include one 275 gallon #2 fuel oil and one 300 gallon gasoline AST. Several USTs are associated with the Subject Property and were removed from either the Subject Property or near the Subject Property on Westborough State Hospital land. The Westborough

State Hospital site at Lyman Street [Facility ID 2-0013490] was listed on the LUST and RELEASE databases for release of gasoline from USTs in approximately September 2000. According to MA DEP, two tanks were removed from the site in 2000 and soil was also excavated. Monitoring wells were installed, oxygen reduction compound was applied, and a soil gas survey was completed. Groundwater samples were also collected in May 2005 and June 2006, and soil samples were collected in May 2006. The listing achieved closure with an A2 RAO in July 2006 whereby a permanent solution has been achieved but contamination has not been reduced to background. In addition, six USTs were removed from the Westborough State Hospital at 181 Lyman Street [Facility ID 2-0018159]. The following USTs were removed in December 2010: one 2,000-gallon gasoline UST, one 5,000-gall UST of unknown content, one 5,000-gallon UST of other content, two 500-gallon USTs of liquefied content, and one UST of unknown capacity and content.

The Client also provided Shaw with information related to the removal of USTs from the Power Plant tank farm. Three 30,000 gallon No. 6 fuel oil USTs were removed from the Power Plant tank farm on May11, 2000. A release was identified with this tank removal effort as described in **Section 4.3.6.8** of this report for Facility ID 2-0013299 and closure was achieved. These 30,000 gallon tanks were replaced with three 20,000 gallon No. 6 fuel oil USTs in 2000. Subsequently, the 20,000 gallon USTs were removed in December 8, 2010.

No AST/UST sites are identified as adjoining the Subject Property. No further action or investigation is recommended.

# 4.1.2.4 LUST - Leaking Underground Storage Tanks

The Leaking Underground Storage Tank (LUST) database is a registry of leaking underground storage tank incidents.

The Subject Property is identified in the LUST database, and three LUST sites are identified within a ¼-mile radius and upgradient of the Subject Property. These sites are discussed below.

Facility	Distance/Direction	*Gradient	Status
Westborough State	Subject Property	Subject	A2 RAO [Facility ID 2-0013490] - release
Hospital		Property	of gasoline from UST, associated with a
Lyman St			RELEASE; notification 9/22/2000, closure
			7/26/2006. According to MA DEP, two
			tanks were removed from site in 2000 and
			soil was also excavated. Monitoring wells
			were installed, oxygen reduction
			compound was applied, and a soil gas
			survey was completed at the site.
			Groundwater samples were also collected
			5/23/2005 and 6/16/2006, and soil
			samples were collected 5/26/2006. A
			permanent solution has been achieved
			but contamination has not been reduced
			to background.

Facility	Distance/Direction	*Gradient	Status
Durning Residence	426 ft/ SSE	Upgradient	A2 RAO [Facility ID 2-0014313] - release
10 Baylor Avenue			of fuel oil from UST, associated with
			RELEASE; notification 5/15/2002, closure
			6/12/2003. A permanent solution has
			been achieved but contamination has not
			been reduced to background.
Kumar Residence	489 ft/ SSE	Upgradient	A2 RAO [Facility ID 2-0016663]- release
6 Canfield Street			of #2 fuel oil from AST & UST, associated
			with LAST & RELEASE; notification
			6/19/2007, closure 6/19/2008. A
			permanent solution has been achieved
			but contamination has not been reduced
			to background.
Toys R Us Distribution	775 ft/ N	Upgradient	A1 RAO [Facility ID 2-0010043] - release
Center			of oil from a UST pipe, associated with a
1 Beeman Road			RELEASE; notification 10/14/1993,
			closure 10/11/1994. A permanent solution
			has been achieved and contamination has
			been reduced to background or a threat of
**************************************			release has been eliminated.

<sup>\*</sup>Gradient based on: (1) reported groundwater flow from subsurface investigations completed on the Subject Property or (2) relative elevations indicated by EDR.

Based on the regulatory status and/or distance from the Subject Property, these listings are not considered RECs. No further action or investigation is recommended.

# 4.1.2.5 LAST – Leaking Aboveground Storage Tank (LAST)

The Leaking Aboveground Storage Tank (LAST) database is a registry of leaking aboveground storage tank incidents.

The Subject Property is not identified in the LAST database. The following LAST sites are identified within a ¼-mile radius of the Subject Property.

Facility	Distance/Direction	*Gradient	Status
Northborough Oil	461 ft/ SSE	Upgradient	A2 RAO [Facility ID 2-0015496] - release
Company			of #2 fuel oil from AST, associated with
3 Baylor Avenue			RELEASE; notification 11/26/2004,
			closure 12/5/2006. A permanent solution
			has been achieved but contamination has
			not been reduced to background.
Kumar Residence	489 ft/ SSE	Upgradient	A2 RAO [Facility ID 2-0016663]- release
6 Canfield Street			of #2 fuel oil from AST & UST, associated
			with RELEASE & LUST; notification
			6/19/2007, closure 6/19/2008. A
			permanent solution has been achieved
			but contamination has not been reduced
			to background.

\*Gradient based on: (1) reported groundwater flow from subsurface investigations completed on the Subject Property or (2) relative elevations indicated by EDR.

Based on the regulatory status and/or distance from the Subject Property, these listings are not considered RECs. No further action or investigation is recommended.

#### 4.1.2.6 ENG and INST CONTROL – Engineering and Institutional Control

The ENG and INST CONTROL databases are registries of sites with Engineering Controls and Activity and Use Limitations (AUL), which establish limits and conditions on the future use of contaminated property and allow cleanups for these conditions.

The Subject Property is not identified in the ENG or INST CONTROL databases. No ENG or INST CONTROL sites are identified within a 1-mile radius of the Subject Property.

#### 4.1.2.7 FTTS and HIST FTTS - FIFRA/ TSCA Tracking System

The FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FIFRA/ TSCA Tracking System (FTTS) tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). Historic (HIST) FTTS is a complete administrative case listing from the FTTS for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB), which supports the implementation of FIFRA and TSCA. Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

The Subject Property is identified in the FTTS and HIST FTTS databases under the name Westborough Hospital at Lyman Street. The site is listed under FTTS and HIST FTTS inspections (Inspection no. 199702199823 1) with a status of Section 6 PCB Federal Conducted as a user. No additional information is available. Based on the regulatory status, these listings are not considered RECs. No further action or investigation is recommended.

#### 4.1.2.8 AIRS - Aerometric Information Retrieval System

The AIRS (Aerometric Information Retrieval System) is a listing of Air Quality permit applications.

The Subject Property is identified in the AIRS database for both permitted and uncontrolled releases of gases at the Subject Property. According to the EPA ENVIROFACTS online database, the Subject Property is associated with emissions under the name Westborough State Hospital at 288 Lyman Street. Potential uncontrolled emissions that are associated with the facility include carbon monoxide, nitrogen dioxide, particulate matter less than 10 micrograms, total particulate matter, sulfur dioxide, and volatile organic compounds. The facility is first listed in emissions databases in 1978 for a notice of violation (NOV), which are also listed for various years afterwards through 1997. A closeout memo was issued for the facility in 2003, and the facility is currently listed as permanently closed and is in compliance. The last facility inspection was conducted in June 2012. Based on the regulatory status, this listing is not considered a REC. No further action or investigation is recommended.

#### 4.1.2.9 FINDS - Facility Index System

The Facility Index System (FINDS) contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to

manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

The Subject Property is identified in the FINDS database for other database listings, including FTTS and AIRS. Refer to the sections above for specific information pertaining to each database listing. Based on the regulatory status, this listing is not considered a REC. No further action or investigation is recommended.

#### 4.1.2.10 HMIRS - Aerometric Information Retrieval System

The Hazardous Materials Information Reporting System (HMIRS) contains hazardous material spill incidents reported to Department of Transportation (DOT).

The Subject Property is identified in the HMIRS database for uncontrolled releases at the Subject Property, under the name Westborough State Hospital at 288 Lyman Street. According to the HMIRS facility detail report, the incident occurred 4/1/2008 with a release of vapor. Specifically, while unloading, staff discovered extinguishers had shifted in transit damaging the valves and causing the contents to escape. The damaged cylinders were disposed of properly and the remaining cylinders were forwarded to the consignee. A report was prepared 4/2/2008 with recommendations discussed with a responsible employee to properly reinforce loading, blocking and bracing of materials. Based on the regulatory status, this listing is not considered a REC. No further action or investigation is recommended.

#### 4.1.2.11 MANIFEST - Hazardous Waste Manifest Data

The Hazardous Waste Manifest Data (MANIFEST) tracks manifest data from the transporter to the treatment and disposal facility.

The Subject Property is identified in the MANIFEST database under the name Westborough State Hospital at 288 Lyman Street. The generator ship date for fiberboard or plastic drums is listed as March 2010. The shipment was sent to a landfill and the shipment was listed as received in July 2010. No other information was provided. Based on the regulatory status, this listing is not considered a REC. No further action or investigation is recommended.

#### 4.1.3 Tribal Database Review

The Subject Property is not located within a 1-mile radius of designated tribal land. The Subject Property and surrounding properties are not identified in tribal databases.

#### 4.1.4 Local Database Review

The Subject Property and surrounding properties are subject to federal and state environmental regulatory agencies. No local environmental regulatory agencies have been reported. The Subject Property and surrounding properties are not identified in local databases.

#### 4.1.5 Supplemental/Additional Database Review

The EDR Report identifies numerous supplemental and additional federal, state, tribal, or local databases which are beyond the standard environmental record sources required by ASTM. These databases are detailed within the EDR Report.

The Subject Property is not identified in the various supplemental/additional databases. No sites or facilities are identified within the respective, approximate minimum search distances.

# 4.1.6 Orphan Site Summary

EDR identified 29 Orphan Sites in the database search. Orphan Sites are sites for which a geographic location cannot be pinpointed because of insufficient information on the address. The majority of the Orphan Sites were ruled out by reviewing local street maps. Based on observations made during the site visit and a drive-by of the local areas surrounding the Subject Property, none of the Orphan Sites identified in the EDR Report appear to be located in the vicinity of the Subject Property. Therefore, it does not appear that any Orphan Sites listed in the EDR Report pose an environmental concern to the Subject Property. No further action or investigation is recommended.

# 4.2 Physical Setting Sources

#### 4.2.1 Topography

According to the United States Geological Survey (USGS) *Marlborough, Massachusetts* 7.5-minute Series (Topographic) Map (1983), the elevation of the Subject Property is approximately 285 feet above mean sea level (MSL) based on National Geodetic Vertical Datum of 1929. The topography of the Subject Property is slightly undulating with a general topographic gradient to the west southwest.

A portion of the Marlborough, Massachusetts 7.5-minute Series (Topographic) Map is provided as **Figure 1**.

# 4.2.2 Geology

According to the EDR Report, the generalized bedrock is reported to consist of Eugeosynclinal Deposits of the Paleozoic era.

#### 4.2.3 Lithology

According to the EDR Report, the type of soil reported on the Subject Property consists of Freetown and Paxton soil. The Freetown soil is described as muck that is classified with very slow infiltration rates and clayey soil with a high water table. Paxton soil is described as fine sandy loam that is classified with slow infiltration rates and soil with layers impeding downward movement of water, or soil with moderately fine or fine textures.

# 4.2.4 Hydrogeology

The groundwater flow direction in the area is generally towards the west southwest. The Subject Property is slightly undulating with a general topographic gradient reported to the west southwest. According to regulatory reports and the EDR report, the groundwater depth in the area is not reported.

#### 4.2.5 Sensitive Receptors

Wetlands cannot be definitively identified through visual observation alone. Defensible wetland delineations require taxonomic classification of site vegetation, an investigation into the surface and subsurface hydrology of the site, and identification of hydric soils. This level of delineation is outside of the scope of work for this assessment. However, Shaw was provided a geocoded map based on the National Wetland Inventory maps (U.S. Fish and Wildlife Service, updated 1999) and the Floor Insurance Rate Maps. The reviewed resource maps showed wetlands on the Subject Property and in the

surrounding area. The Flood Insurance Rate Map showed the Subject Property residing within the 100-year and 500-year flood zones, which also exist in the surrounding area.

# 4.2.6 Radon

Radon is a gas that can seep into structures constructed in areas with soils and bedrock containing radium. Radon may travel through the soil and enter the structures through cracks and holes in basement walls or floors, drains, or other openings.

Based on information provided by the Radon Section of the EDR Radius Map Report, the Federal EPA Radon Zone for Worcester County is 1. This indicates >4.0 pCi/L. In addition, a total of two sites within the 01581 zip code have been reported as tested for radon. The average radon activity in the living area is not reported, but the average radon activity in the basement area of the reported tested sites is 10.900 pCi/L. The Worcester County average values for the living and basement area are above the EPA regulatory action level of 4.0 pCi/L and less than 20 pCi/L.

Based on the current use of the Subject Property as non-residential, radon does not appear to be a concern at this site.

#### 4.3 Historical Use Information

Historical use of the Subject Property and adjoining properties, from earliest documented development until the present day was ascertained from available aerial photographs, topographic maps, fire insurance maps, street/city directories, and property ownership/development records.

#### 4.3.1 Chain-of-Title and Activity and Use Limitations

Shaw did not complete a search of recorded land title records as part of this assessment. No chain-of-title or activity and use limitations were provided for review.

# 4.3.2 Aerial Photos

Aerial photographs for the years 1966, 1969, 1978, 1980, 1992, 1995, 2006 and 2008 were obtained from EDR. Copies of pertinent aerial photographs are enclosed within **Appendix D**.

The following observations are noted.

Year/ Scale	Source	Description
1966 1:500	EDR	The Subject Property has some small structures on the east section of the property. Other sections of the property and surrounding properties appear to be agricultural land with undeveloped vegetated land in some areas. Chauncy Lake is visible at the south edge of the Subject Property and Little Chauncy Pond can be seen directly northwest of the property.
1969 1:1000	EDR	The Subject Property and surrounding area appear similar to the 1966 aerial photograph. South of the Subject Property a residential area is visible.
1978 1:1000	EDR	The Subject Property and adjoining properties appear unchanged relative to the 1969 aerial photograph, with the exception that a residential area is visible to the west of the subject property.
1980 1:750	EDR	The Subject Property and adjoining properties appear unchanged relative to the 1978 aerial photograph except to the northwest a golf course is visible.

Year/		
Scale	Source	Description
1992 1:750	EDR	The Subject Property appears to have more small structures on the east and north sides of the property. The north adjoining property appears as it does today with a large industrial building. The surrounding area appears unchanged relative to the 1980 aerial photograph.
1995 1:500	EDR	The Subject Property is developed with a more structures on the east side on the property, two water tanks are visible on the northeast section of the property. The adjoining properties appear unchanged relative to the 1992 aerial photograph.
2006 1:500	EDR	The Subject Property and adjoining properties appear unchanged relative to the 1995 aerial photograph.
2008 1:500	EDR	The Subject Property and adjoining properties appear unchanged relative to the 2008 aerial photograph.

Based on the review of aerial photographs for the property, identified uses as described above are not considered a REC relative to the Subject Property. No further action or investigation is recommended.

# 4.3.3 Street/City Directories

The *Cole Criss-Cross Directory*, for the years 1971 through 2008, non inclusive, were reviewed from the EDR City Directory Abstract Report. The Subject Property was listed in the 1995 directory under the name Inman Rehab Center and under the name Westborough State Hospital in 2008 at 288 Lyman Street. Other listings included residential and commercial tenants. For all available listings see **Appendix E**.

# 4.3.4 Topographic Maps

EDR was subcontracted to complete a search of current and historical USGS 7.5-minute Series (Topographic) Maps for the Subject Property. Shaw reviewed the *EDR Historical Topographic Map Report*. The *EDR Historical Topographic Map Report* is enclosed within **Appendix F**.

The following observations were noted.

Year/		
Scale	Source	Description
1889 1:62500	EDR	The Subject Property and surrounding area appear feature-less. The Town of Westborough is visible to the south the Boston and Albany Railroad is located to the south running in an east-west direction. The Old Colony Railroad is visible to the north also running east-west near the Town of Northborough.
1898 1:62500	EDR	The Subject Property and surrounding area appear relatively feature-less. Little Chauncy Pond is visible to the northwest and Chauncy Pond is visible to the south of the Subject Property.
1908 1:125000	EDR	The Subject Property and surrounding area appear relatively feature-less. However, although it is difficult to decipher from the topographic map, several structures may be present on or near the Subject Property. The Subject property is labeled Westborough insane hospital.
1943 1:31680	EDR	Several small structures are present on the Subject Property. A sewage disposal area is denoted on the subject property on the east section. The subject property is labeled as Westborough State Hospital. Crane swamp is visible to the east. Boston Worcester Turnpike is to the south of the Subject Property. Lyman St is just east of the Subject Property. Route 30 is also visible to the east.
1949 1:24000	EDR	Several small structures are visible in the eastern portion of the Subject Property. The surrounding area appear relatively unchanged from the 1943 topographic map, with the exception of small residential-type structures to the south.
1953 1:31680	EDR	The Subject Property and the surrounding area appears generally unchanged relative to the 1949 Topographic map. Additional development is visible in the surrounding area.

Year/ Scale	Source	Description
1969 1:24000	EDR	The Subject Property appears to have additional structures in east section of the property. Two water tanks are labeled on the east section of the Subject Property. Additional development is visible in the surrounding area. Several residential areas are visible to the south.
1979 1:25000	EDR	Additional small structures are visible at the subject property. To the south more development is visible. The surrounding area appears largely unchanged relative to the 1969 topographic map.
1983 1:25000	EDR	The Subject Property and the surrounding area appear largely unchanged relative to the 1979 topographic map.

Based on the review of historic topography maps for the property, the sewage disposal area is a REC at the Subject Property. Sewage disposal areas pose a potential threat to the groundwater due to the possibility of toxic organic and inorganic chemicals in the wastewater being discharged to the aquifer. Shaw recommends a subsurface investigation of the sewage disposal area.

#### 4.3.5 Fire Insurance Maps

EDR was subcontracted to complete a search of Sanborn<sup>®</sup> Fire Insurance Maps for the Subject Property. The Subject Property is not within the coverage area of fire insurance maps. The *EDR Sanborn*<sup>®</sup> *Map Report* is enclosed within **Appendix G**.

#### 4.3.6 Local/State Record Sources

Shaw contacted the Westborough and Northborough Clerks offices with a request for environmental records pertaining to the Subject Property. In order to centralize efforts, the Town Clerks distributed the request to the various town offices, including Building and Inspections, Planning and Zoning, Health, Fire Prevention, Conservation Commission, Engineering, and Water and Sewer. The Town Clerks responded to Shaw's request stating that information from several of the departments were available for review and required a visit to the Town Halls due to the number of records on file. Shaw completed the file review on January 8, 2013. See below for information that was obtained as of the date of this report. Copies of Town of Westborough and Town of Northborough reports are enclosed within **Appendix H**.

# 4.3.6.1 Property Tax Records and Maps/Assessor Department

The Subject Property is located in both Westborough and Northborough, MA and consists of approximately 186 +/- acres of land according to the Client with noted improvement. According to records maintained by the Westborough, MA Assessor's Departments, the Subject Property is comprised of three tax-key parcels (ID's 38-1-0, 38-2-0, and 34-141-0). According to records maintained by the Northborough, MA Assessor's Departments, the Subject Property is comprised of three tax-key parcels (ID's 215/86-1, 86-2, and 91-1). The Subject Property exists within other Westborough State Hospital land and land owned by the state and Massachusetts Department of Fish and Game, that is not within the scope of work of this Phase I ESA. Therefore, acreage that is reported with the above-listed parcels by the Westborough and Northborough Assessor's Departments is greater than the acreage applicable to the scope of work. The property record cards noted the Commonwealth of Massachusetts as the registered owner and/or taxpayer associated with the Subject Property. A copy of pertinent property record card information is enclosed within **Appendix H**.

#### 4.3.6.2 Building Permit/Inspection Records

No building permit/inspection records were found pertaining to the subject property.

#### 4.3.6.3 Planning and Zoning Records

The Subject Property is zoned DMH-R and State land. No planning and zoning records were found pertaining to the subject property.

# 4.3.6.4 Health Department Records

According to the Westborough Health Department representative, records exist for the Subject Property, which are related to asbestos removal, water quality, housing code violations, and potentially to a fuel tank leak at the power plant. The records obtained included notices pertaining to the subject property water and sewer systems as well as limited records on the MA DEP release sites described elsewhere in this report.

#### 4.3.6.5 Fire Prevention Records

The Westborough and Northborough Fire Departments contacted Shaw stating that they have records on file for the Subject Property. The records obtained included tank removal records and MA DEP release site information described elsewhere in this report.

#### 4.3.6.6 Conservation Commission Records

Records were obtained for Parcel ID 34-141-0, which pertain to an Order of Conditions (the Order) granted to the Department of Mental Health for drainage improvements associated with the parking lot. The Order is still valid and a portion of that permit has been exercised.

# 4.3.6.7 Engineering/Water and Sewer Records

No additional engineering/water and sewer records were obtained.

# 4.3.6.8 Massachusetts Department of Environmental Protection

According to an online search of MA DEP records, the Subject Property, or Westborough State Hospital land associated with the Subject Property, are listed in several databases related to uncontrolled releases that have been reported to MA DEP. Several of the listings are also included in the EDR Radius Map™ Report with Geocheck®. The following incidents occurred at the Subject Property, which are also discussed in **Section 4.1**.

- The Westborough State Hospital site at Lyman Street [Facility ID 2-0013490] is associated with LUST and RELEASE database listings for release of gasoline from USTs in approximately September 2000. According to MA DEP, two tanks were removed from the site in 2000 and soil was also excavated. Monitoring wells were installed, oxygen reduction compound was applied, and a soil gas survey was completed. Groundwater samples were also collected in May 2005 and June 2006, and soil samples were collected in May 2006. The listing achieved closure with an A2 RAO in July 2006 whereby a permanent solution has been achieved but contamination has not been reduced to background.
- The Westborough State Hospital site at Lyman Street [Facility ID 2-0012359] is associated with SHWS and RELEASE database listings for release of approximately 20 gallons of transformer oil to the roadway in approximately August 1998. According to MA DEP, benzo(b)flouranthene and TPH was detected at the site near the salvage yard and power plant UST areas but was less than the reportable concentrations in soil (RCS)-1 and RCS-2. The listing achieved closure with a B1

RAO in January 2001 whereby remedial actions have not been conducted because a level of no significant risk exists.

- The Westborough State Hospital site at 75 Lyman St [Facility ID 2-0010111] in Northborough is associated with SHWS and RELEASE database listings for release of approximately 65 gallons of diesel fuel from storage tanks to the roadway in approximately December 1993. According to MA DEP, a tractor trailer accident caused the fuel release near the pump house. Impacted soil and asphalt were removed and contained in drums and transported off-site in December 1993. Soil samples were collected and were below background reporting levels. The listing achieved closure with an A1 RAO in February 1994 whereby a permanent solution has been achieved and contamination has been reduced to background or a threat of release has been eliminated.
- According to MA DEP, the Westborough State Hospital site on Lyman St [Facility ID 2-0016896] was associated with discovery of lead in the soil. In 2007, soil was sampled for lead from a test pit in the former dumping area. The resulting lead concentration was reported as 3,590 mg/kg triggering a release notification under the MCP. The site was assigned RTN 2-0016896 on 11/28/2007. Based on the MA DEP website file review, no further action was taken with regard to this release and the site was assigned the MA DEP default Tier ID classification. The site requires further response actions be completed under the MCP.
- According to MA DEP, the Westborough State Hospital site on Lyman St [Facility ID 2-0013299] was associated with removal of USTs containing #6 fuel oil in May 2000. Petroleum-impacted soil and groundwater were removed as was stained soil associated with past fill operations under a Remedial Action Monitoring (RAM) Plan, submitted in May 2000. Treated groundwater was discharged to the Westborough Municipal Sewer system in November 2000. Monitoring wells were installed and groundwater samples were collected, and the facility passed a MA DEP audit. The listing achieved closure with an A2 RAO in March 2001 whereby a permanent solution has been achieved but contamination has not been reduced to background.
- According to MA DEP, the Westborough State Hospital site on Lyman St [Facility ID 2-0013846] was associated with impacted soil and groundwater removal following removal of USTs near the power plant. Initial subsurface investigations were conducted in May 2001 and included an assessment of soil and groundwater via the installation of soil boring and monitoring wells. Elevated levels of TPH were encountered in soil. A RAM Plan was implemented and included soil excavation in June 2003. The listing achieved closure with an A2 RAO in July 2006 whereby a permanent solution has been achieved but contamination has not been reduced to background.

No other records of violations, complaints, or other environmental incidents that would represent a REC were on record.

#### 4.3.7 Other Historical Sources

Information was obtained online from the US EPA's ENVIROFACTS website associated with the AIRS database listing at the Subject Property. The Subject Property is identified in the AIRS database for both permitted and uncontrolled releases of gases. According to the ENVIROFACTS database, the Subject Property is associated with emissions under the name Westborough State Hospital at 288 Lyman Street. Potential uncontrolled emissions that are associated with the facility include carbon monoxide, nitrogen dioxide, particulate matter less than 10 micrograms, total particulate matter, sulfur dioxide, and volatile organic compounds. The facility is first listed in emissions databases in 1978 for a notice of violation

(NOV), which are also listed for various years afterwards through 1997. A closeout memo was issued for the facility in 2003, and the facility is currently listed as permanently closed and is in compliance. The last facility inspection was conducted in June 2012. Based on the regulatory status, this listing is not considered a REC. No further action or investigation is recommended. No other historical sources such as historical societies, newspaper archives, internet sites, community organizations, miscellaneous maps, etc. were reasonably ascertainable and/or as determined by the Environmental Professional, provided information relative to RECs in connection with the Subject Property.

#### 4.3.8 Data Failure

Shaw reviewed standard historical sources as determined by ASTM International that were reasonably ascertainable and likely to be useful. No data failure was encountered during this assessment.

It is Shaw's opinion that the history of previous uses of the Subject Property and surrounding area has been identified, and review of the historical data in concert with the site reconnaissance and interviews has been conducted to reasonably identify the likelihood of the past uses potentially leading to RECs in connection with the Subject Property.

RECs have been identified for the Subject Property, as discussed in **Section 7** and other section of this report.

#### 5.0 SITE RECONNAISSANCE

On December 12, 17, and 26, 2012, representatives of Shaw (Ms. Elizabeth Krol- December 12, 2012 only- and Mr. Edward Van Doren) conducted a site reconnaissance of the Subject Property and the immediate surrounding area. Photographs of the Subject Property and adjoining properties are enclosed within **Appendix A**. The Shaw inspectors were accompanied by the following owner representatives:

- Mr. Tom Murano on December 12, 2012
- Mr. Fran Marchand on December 17 and 26, 2012

# 5.1 Current Property Use

The main campus consists of multiple buildings formally used as the Westborough State Hospital. These buildings include administration, maintenance facilities, hospitals, laundry, kitchen, cafeteria, housing, a power plant, office buildings, and other support facilities. A description of the buildings is in section 2.4. Most of these buildings and facilities are currently not in use and for the most part are closed and without heat or electric power. However, the following facilities are still in use:

- A portion of the Power Plant for maintenance of electric service to portions of the property.
- A portion of the Maintenance Building, adjacent to the Power Plant, which is being used for storage.
- Department of Youth Services (DYS) areas as designated on Figure 4.

Beyond the main campus the following areas are also part of the Westborough State Hospital property and are in use:

Water towers for water supply.

- Chauncy Hall for residential treatment.
- The Hadley Building, which is being used for offices and facilities maintenance.
- Area behind the Maintenance Building currently being used to support surplus motor vehicle actions and sales.
- Agricultural lands.
- Open and wooded areas for recreational use.

# 5.2 Methodology and Limiting Conditions

The site reconnaissance included evaluation of typical representative interior areas of the existing structures and facilities. Not all interior spaces were inspected. The exterior and surrounding area were also evaluated. Not all land areas outside the main campus area were inspected. Note also that many of the buildings had been repeatedly vandalized, mainly due to theft of copper wire and pipe.

Most of the buildings on the main campus had the windows boarded up at the ground level and were not lighted due to lack of electrical service. Therefore, those buildings that could be entered were inspected by flashlight only.

The following buildings could not be entered due to being boarded up with no access or other issues as noted:

- Building #7 Home 4 (boarded up)
- Building #100 Night Engineer's Building (boarded up)
- Portions of #17 Power Plant (boiler room boarded up)
- Building #30 Salvage Yard (boarded up)
- Portions of #23 Administration Building (blocked passageways, blocked basement access, roof collapse)
- Building #35 farm buildings in DMH Area A (all had been demolished prior to site visit)

Weather conditions at the time of the site reconnaissance varied from overcast and cloudy with snow showers and temperatures in the 20's and 30's degrees Fahrenheit. There was some ice and snow cover on the ground surface at the time of the December 17, 2012 visit.

#### 5.3 General Observations

#### 5.3.1 Potable Water Supply

Municipal potable water service is provided by the Town of Westborough.

# 5.3.2 Sewage Disposal System

Municipal sanitary/storm sewer service is provided by the Town of Westborough.

# 5.3.3 Hazardous Substances

Following survey of hazardous substances or potentially hazardous substances was noted by building.

<u>Childs Building</u> Miscellaneous hazardous materials including several iodine solution in 1- liter bottles and several used paint cans.

<u>Maintenance Shop</u> Miscellaneous chemicals and oils and other hazardous materials including the following: Impact beads, waste oil, Thinset mix, flatting oil, Rustoleum paint, asphalt coating, asphalt roofing cement and coating. Approximately 20 – 5 gallon pails of these materials were present along with numerous 1-gallon and smaller containers of materials.

<u>Laundry</u> Outside the building two empty drums labeled heat transfer fluid and one small tank of refrigerant liquid partially full.

Auditorium A small cylinder of compressed nitrogen was located inside this building.

<u>Main Storeroom (Store House)</u> Hazardous materials included refrigerant canisters and a leaking battery system associated with a control panel.

<u>Cafeteria and Kitchen</u> There was a wet chemical fire system installed in the kitchen. Various containers of chemicals and grease were present on the main floor and in the basement and include: 55-gallon drums of grease trap cleaner, 5-gallon cans of grease, drums of liquid bacterial odor control, and 5-gallon oil drums. A significant amount of old pipe insulation was discarded on the basement area floor. Also, in a small brick building to the north of the Cafeteria and Kitchen building there was a lead acid battery, a one quarter container of motor oil, and small container of electrical wire cleaner.

<u>Administration Building</u> Hazardous materials included several lead-acid batteries and a propane tank for emergency lighting use.

<u>Low Pole Barn</u> Hazardous materials included two refrigerant canisters, two drums that appear empty, one drum labeled Hazardous Waste – oil and anti-freeze, and four 5-gallon pails of grease.

# 5.3.4 Petroleum Products

Petroleum products are used and stored in the following locations.

<u>Hadley Building</u> Outside storage of gasoline for lawn mower use. Stored in locked outside storage building.

<u>Power Plant</u> Number 2 fuel oil in 275 gallon aboveground storage tank (AST) for use with an emergency generator in the power plant.

<u>Maintenance Building</u> Gasoline in 300 gallon AST on grounds behind building for use associated with surplus vehicle auctions and sales.

# 5.3.5 Storage Tanks

# 5.3.5.1 Aboveground Storage Tanks

Two petroleum ASTs were noted on the property as discussed in **Section 5.3.4** and are as follows:

- 275 gallon #2 fuel oil
- 300 gallon gasoline

#### 5.3.5.2 Underground Storage Tanks

No visual indicators such as access ways, vent pipes, or fill pipes indicative of USTs were observed.

#### 5.3.6 Odors

No strong, pungent, or noxious odors were identified.

#### 5.3.7 Pools of Liquid

No standing surface water, pools, or sumps containing liquids likely to be hazardous substances or petroleum products were observed.

#### 5.3.8 Drums and Containers

Drums and containers associated with the hazardous materials survey are discussed in **Section 5.3.3**.

One badly rusted 55-gallon drum was noted on the north side of the Kennedy School. There was no indication of the contents of the drum from its appearance. No staining or other evidence of a release was noted associated with this drum.

The Incinerator Area contains a rusted drum. No staining or other evidence of a release was noted associated with this drum.

#### 5.3.9 Polychlorinated Biphenyls (PCBs)

Per the interview with Mr. Fran Marchand all PCB containing transformers at the property have been drained and refilled with non-PCB containing oil or not refilled. Numerous newer transformer boxes were noted throughout the campus and all those inspected were dated 9/97. Mr. Marchand indicated that these would be non-PCB containing.

Elevators noted on the main campus appeared to be cable-type and therefore not containing hydraulic oil.

#### 5.4 Interior Observations

### 5.4.1 Heating/Cooling

The main campus was at one time heated with steam from the power plant. Most of the houses had been retrofitted with individual steam boilers fired with propane gas. Chauncy Hall is heated with #2 fuel oil. The Hadley Building is heated with propane gas.

#### 5.4.2 Stains or Corrosion

Staining of elevator rooms and other maintenance/storage rooms was observed as follows:

<u>Maintenance Shop</u> Stains from roofing on sides of building. Some staining on interior floors was also noted.

Main Storeroom (Store House) There is some staining on the floor of the compressor room.

<u>Cafeteria and Kitchen</u> The basement level included a compressor repair room with various pieces of equipment and the floors were stained in this area. One of the elevator basement control rooms was accessible. The floor and equipment in this area was visibly grease stained.

<u>Kennedy School</u> A compressor with oil staining around the compressor was noted and is in need of housekeeping.

Main Garage There was some staining of floors.

Low Pole Barn Oil and grease staining on floor

Heath Storage Evidence of staining on dirt floor.

Note: with the exception of the Heath Storage barn all floors are concrete and appear to be in good condition. Although several of these areas are very stained with oil and grease there was not an obvious migration pathway to the subsurface. The staining to the dirt floor of the Heath Storage barn would be considered a REC.

#### 5.4.3 Drains and Sumps

Very few floor drains were observed. A floor drain in the Maintenance building was observed, but no evidence of oil or other hazardous material was observed in or around the drain. The residential houses on Hospital Road had concrete basement floors with various penetrations in them, but no evidence of oil or other hazardous material was observed in or around these penetrations.

There is a groundwater sump in the basement of the Maintenance Building. This sump is currently being pumped to keep groundwater out of the steam pipe system that would have carried steam to the main campus. The groundwater from this sump is pumped to the ground surface at the rear of the building. There was no evidence of contamination in the groundwater in the sump or the discharge to the ground surface.

#### 5.5 Exterior Observations

#### 5.5.1 Pits, Ponds, Lagoons

A cistern is located in the rear of #12 the Farmer's Cottage. The cistern appears to be about 8 feet deep and 8 feet by 8 feet in area. The cistern is built of brick and has a steel cover over it. Observations from outside the cistern indicated approximately a few inches of standing water. There was no evidence of contamination in the cistern. It was reported that the cistern may have been part of the storm water collection system for the campus.

There was also a report that some of the residential houses had septic systems, but that the houses were later connected to the sewer system.

Two sewer lift stations were noted on the property: in front of the Maintenance Building and at the northern end of Hospital Road. Activate and inactive sewer lift stations are also located across the street from Chauncy Hall in DMH Area II.

#### 5.5.2 Stained Soil or Pavement

No significantly stained soil or stained pavement was observed.

#### 5.5.3 Stressed Vegetation

No stressed vegetation was observed.

#### 5.5.4 Solid Waste

Most of the campus is closed and no solid wastes are being generated.

There are several areas where solid waste and debris has accumulated on the property as described below:

<u>Maintenance Shop</u> Solid waste and debris was noted inside and outside this building. Solid waste includes equipment, card board boxes, furniture, unused materials, pavement and rubble, and gravel piles.

<u>Kennedy School</u> Dumping of trash and other debris was noted on the east side of the building. A rusted out 55-gallon drum was also noted in this area.

<u>DMA Area C Dumping Area</u> This area contains debris and trash that appears to have been dumped on the ground over a long period of time. The material includes wood, furniture, metal, and trash.

Storage Hut (#42) miscellaneous materials including furniture, water heater, and wood pallet.

Incinerator Area. Metal, tire rims, pipe, trash, and a drum.

Most buildings on the main campus contain varying amounts of furniture, equipment, unused materials, etc.

The solid waste streams generated at the active areas of the property appear to be managed appropriately.

#### 5.5.5 Wastewater

The property is currently connected to the municipal sewer system.

In the past the campus was served by an onsite sewage disposal system. The sewage from the campus was collected and waste water was discharged to sewer beds located in DMH Area B. No other details of the system were provided.

The residential houses were on septic systems until around 1994 at which time they were connected to the municipal sewer system. The septic systems were abandoned and the septic tanks were crushed.

#### 5.5.6 Stormwater

Stormwater runoff from the roof is collected in an onsite stormwater collections system.

#### 5.5.7 Wells

Monitoring wells were noted at the following locations:

Power Plant Monitoring wells associated with #6 fuel oil tank removals in 2000.

<u>Main Store Room (Store House)</u> Monitoring wells associated with gasoline tank removals in 2000. (These well locations were not found on the day of the site visit.)

<u>DAR AGR Area 2</u> One monitoring well was noted on the approach to the sewer beds. The purpose well is unknown.

Sewer Beds Monitoring wells were reported to be in this area. The purpose of these wells is unknown. (These well locations were not found on the day of the site visit.)

No potable water wells, dry wells, irrigation wells, injection wells, or abandoned wells were observed.

#### 5.5.8 Septic Systems

No septic systems or cesspools were observed. The residential houses were on septic systems until around 1994 at which time they were connected to the municipal sewer system. The septic systems were abandoned and the septic tanks were crushed.

### 6.0 INTERVIEWS

Shaw interviewed the site representatives who accompanied Shaw during the site reconnaissance, Mr. Murano and Mr. Marchand. Shaw also interviewed the Towns of Westborough and Northborough representatives. Information obtained during the interviews and site reconnaissance is provided in the applicable sections of this report.

#### 7.0 FINDINGS, OPINIONS, AND CONCLUSIONS

### 7.1 Findings

Shaw has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM International's Practice E 1527-05 of the Westborough State Hospital Campus-West/Northborough property located at 288 Lyman Street, Worcester County, Westborough, Massachusetts (the Subject Property).

This assessment has revealed the following conditions that provide evidence of recognized environmental conditions (RECs) in connection with the Subject Property.

- <u>Dumping Area</u> In 2007, soil was sampled for lead from a test pit in the former dumping area. The resulting lead concentration was reported as 3,590 mg/kg triggering a release notification under the MCP. The site was assigned RTN 2-0016896 on 11/28/2007. Based on the MA DEP eDEP website file review, no further action was taken with regard to this release and the site was assigned the MA DEP default Tier ID classification. The site requires further response actions be completed under the MCP.
- <u>Sewer Beds</u> The sewer beds are considered a potential source of subsurface contamination including organic and inorganic contaminants. The presence of monitoring wells in the area may indicate that possible investigations have been conducted for this area.
- <u>Heath Storage Barn</u> Soils on the floor of this barn appear to have some form of staining associated with them indicating the possibility of a release.

#### 7.2 Conclusions

Shaw has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM International's Practice E 1527-05 of the property located Westborough State Hospital Campus-West/Northborough 288 Lyman Street, Westborough, MA 01581 the Subject Property. Any exceptions to, or deletions from, this practice are described in *Section 8.0* of this report.

This assessment has revealed evidence of RECs in connection with the Subject Property.

These RECs are as follows:

- Lead in test pit soils associated with the dumping area
- Organic and inorganic contaminants release to the subsurface from the sewer beds
- Stained soils in the Heath Storage barn

Further action or investigation of these areas is recommended.

Further action or investigation of these areas is recommended. In addition, Shaw observed suspect asbestos-containing materials, including damaged and/or friable pipe wrap and 9x9" floor tiles, in various buildings at the subject property. Peeling paint was observed on the walls and ceiling of various buildings onsite. Shaw recommends that a hazardous building materials assessment be conducted to identify potential hazardous materials such as asbestos, lead, mercury in light ballasts and PCBs in caulk.

#### 8.0 DEVIATIONS AND DATA GAPS

#### 8.1 Deviations

No deviation from ASTM International's Designation: E 1527-05 was noted.

#### 8.2 Data Gaps

Based on the records review, interviews, and site reconnaissance information ascertained, it is Shaw's opinion that *significant* data gaps exist relative to the identified history of previous uses of the Subject Property and surrounding area. A data gap is only *significant* if (1) upon the review of various information sources, inconsistent and incongruous information is revealed, and (2) in the opinion of the Environmental Professional, the inconsistent/incongruous information warrants or raises reasonable concern.

The following data gaps are presented below:

Several buildings were not accessible during the course of this assessment due to buildings
being boarded up. The evaluations in this report cannot draw any conclusions regarding these
buildings due to the lack of access. Two buildings are of particular concern due to their prior use;
the Power Plant boiler room and the Salvage yard.

# 9.0 ADDITIONAL SERVICES

No additional services beyond ASTM International's Designation: E 1527-05 standard scope of services was requested by the Client.

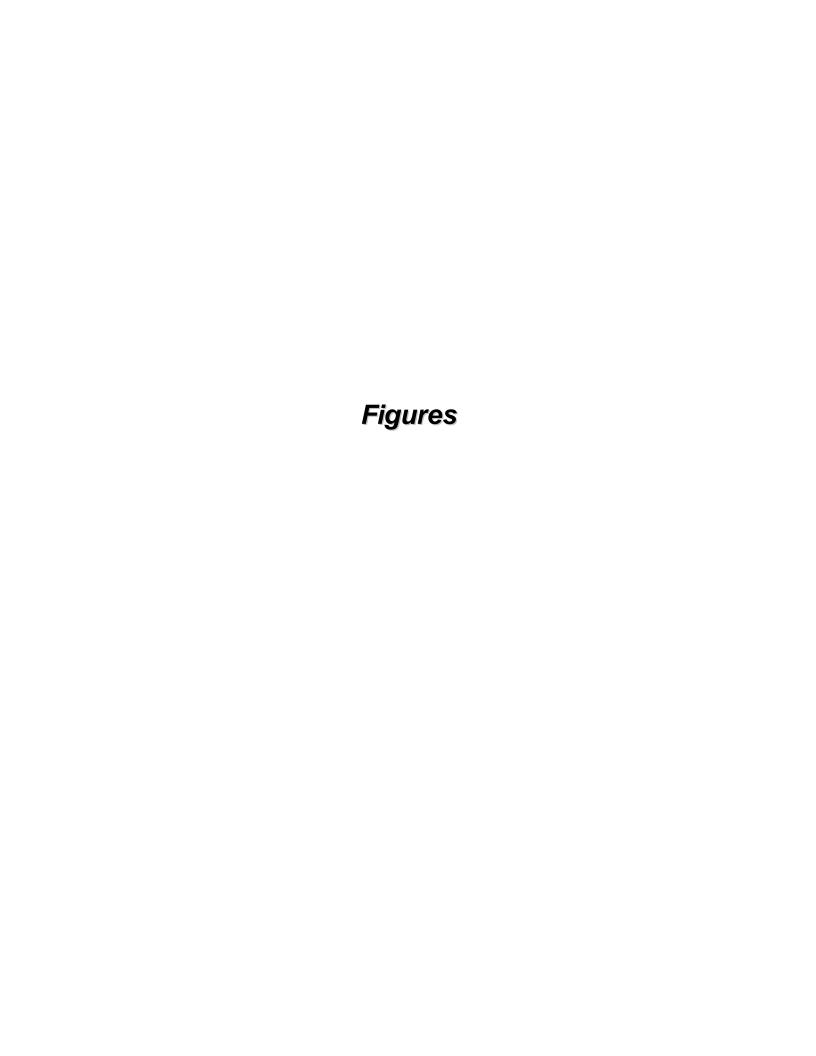
#### 10.0 NON-SCOPE CONSIDERATIONS

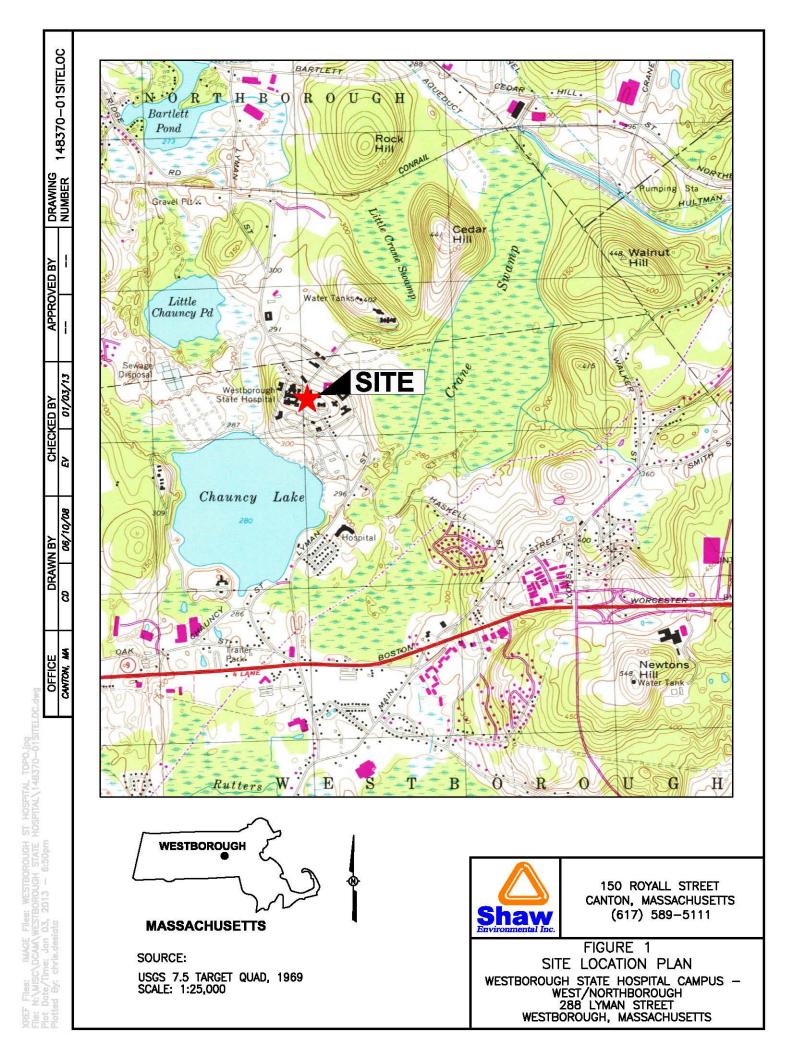
The following environmental issues are outside the scope (non-scope considerations) of the standard practice, ASTM International E 1527-05. This Phase I ESA does not identify or evaluate these non-scope considerations:

- Vapor Intrusion Conditions
- Compliance with Activity and Use Limitations
- Asbestos-Containing Building Materials
- Lead-Based Paint
- Lead in Drinking Water
- Wetlands
- Regulatory Compliance
- Cultural and Historical Resources
- Industrial Hygiene
- Ecological Resources
- Endangered Species
- Indoor Air Quality
- High Voltage Power Lines
- Mold
- Other.

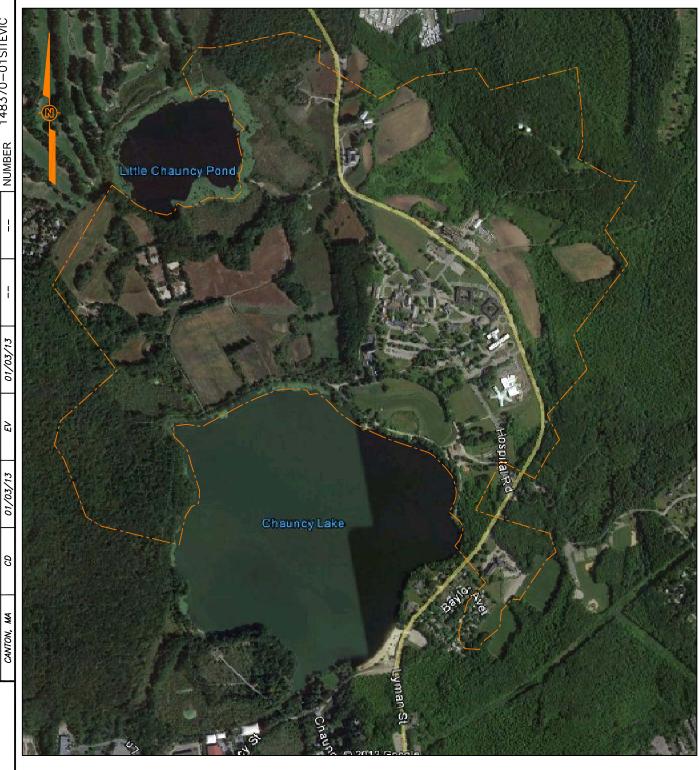
# 11.0 REFERENCES

Source	Agency/Address/Phone	Comments
Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, November 2005. (Designation: E 1527-05)	ASTM International	
EDR Radius Map ™ Report with GeoCheck®, Aerial Photographs, Topographic maps, City Directories, Sanborn Fire Insurance Maps, Environmental Lien Search Reports	Environmental Data Resources, Inc. 440 Wheelers Farms Road Milford, Connecticut 06460 1.800.352.0050	Environmental database records, topographic maps, aerial photos, city directories, well records, lien and AUL records
Assessor, Building and Inspections, Planning and Zoning, Health, Fire Prevention, Conservation Commission, Engineering, and Water and Sewer Departments	Westborough Town Hall 34 West Main Street Westborough, MA 01581 (508) 366-3020	Assessor, inspections, permit, zoning, violation, storage tank, natural resource, information
Assessor, Building and Inspections, Planning and Zoning, Health, Fire Prevention, Conservation Commission, Engineering, and Water and Sewer Departments	Northborough Town Hall 63 Main Street Northborough, MA 01532 (508) 393-5001	Assessor, inspections, permit, zoning, violation, storage tank, natural resource, information





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**LEGEND** 

APPROXIMATE PROPERTY BOUNDARY

NOTE: DRAWING NOT TO SCALE

#### REFERENCE:

PLAN DERIVED FROM GOOGLE EARTH AERIAL IMAGERY, APPROXIMATE PROPERTY BOUNDARY ADDED FROM UTILITY MANAGEMENT SUB-COMITTEE OF THE WESTBOROUGH STATE HOSPITAL SAFETY COMITTEE MAP TITLED 'ELECTRICAL DISTRIBUTION SYSTEM', MAP NUMBER L-3, DATED MAY 19, 1995, AND SHAW ENVIRONMENTAL FIELD RECONNAISSANCE.



150 ROYALL STREET CANTON, MASSACHUSETTS (617) 589-5111

# FIGURE 2 SITE VICINITY PLAN

WESTBOROUGH STATE HOSPITAL CAMPUS— WEST/NORTHBOROUGH 288 LYMAN STREET WESTBOROUGH, MASSACHUSETTS XREF Files: IMAGE Files:
File: N:\MISC\DCAM\WESTBOROUGH STATE HOSPITAL\148370-01SITE.dwg
Plot Date/Time: Feb 08, 2013 - 3:36pm
Plotted By: chris.desiata DRAWING NUMBER OFFICE DRAWN BY CHECKED BY APPROVED BY 148370-01SITE CANTON, MA CD 02/08/13 ΕV 02/08/13 PLAN DERIVED FROM UTILITY MANAGEMENT SUB-COMITTEE WESTBOROUGH STATE HOSPITAL SAFETY COMITTEE MAP TITLED 'ELECTRICAL DISTRIBUTION SYSTEM', MAP NUMBER L-3, DATED MAY 19, 1995, AND SHAW ENVIRONMENTAL FIELD RECONNAISSANCE. WATER TOWERS-유 LITTLE CHAUNCY POND UNKNOWN BUILDING LYMAN STREET HOSPITAL ROAD (2)(E) (<del>2</del>2) ноиояовнтяом (13)\$ MESTBOROUGH **3**€ (42)(38) (V) (37) <u>[3]</u> (39)CHAUNCY LAKE

MAIN STOREROOM
CAFETERIA AND KITCHEN
ADMINISTRATION BUILDING
RF KENNEDY SCHOOL

AUDITORIUM

PAINE HALL
DISCOVERY HOUSE
GENESIS HOUSE
HORIZON HOUSE
ENGINEER'S HOME
SALVAGE YARD
CHAUNCY HALL
HEATH STORAGE
LOW POLE BARN
HOUGHTON HOUSE
GREENHOUSE
MAIN GARAGE
HADLEY BUILDING
STORAGE HUT

DRAWING NOT TO SCALE NIGHT ENGINEER'S BUILDING FARMER'S COTTAGE
DOCTORS' APARTMENTS
WESTLAKE ACADEMY
OSGOOD COTTAGE
FARM OFFICE
POWER PLANT
MAINTENANCE BUILDING

HOME 4
HOME 3
RENNAISSANCE HOUSE
LIBERTY HOUSE
FIREHOUSE

Shaw

150 ROYALL STREET (617) 589-5111

FIGURE 3
SITE PLAN
SITE PLAN
WESTBOROUGH STATE HOSPITAL CAMPUS —
WEST/NORTHBOROUGH
288 LYMAN STREET
WESTBOROUGH, MASSACHUSETTS

CANTON, MASSACHUSETTS

APPROXIMATE PROPERTY BOUNDARY

BUILDINGS STILL CONNECTED TO WATER SERVICE

BUILDING

NUMBER AND DESIGNATION

DANIEL BUILDING
HENNESEY BUILDING
CODMAN BUILDING
TALBOT BUILDING
CHILDS BUILDING
SHARP BUILDING

XREF Flees: MAKE Flees: WESTBOROUGH ST HOSPITAL CC AERAL.jpg
Flee: N-\MSC\DOM\MESTBOROUGH STATE HOSPITAL\148370-01STECC.dwg
Flee: Date/Flines: Join 03, 2013 - 6:24gm
OFFICE DRAWN BY CHECKED BY APPROVED BY DRAWING



# Appendix A Site Photographs

Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/12/2012

**Direction:** 

North

Comments:

18. Maintenance ShopRear of building



Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

N/A

Comments:

18. Maintenance Shop Hazardous materials



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

### Date:

12/12/2012

# Direction:

NA

### **Comments:**

19. LaundryInterior ground floor



# Photographer:

E. Van Doren

#### Date:

12/12/2012

### Direction:

South

#### Comments:

19. Laundry

Drums, refrigerant tank and other materials



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

West

# Comments:

20. Auditorium

Transformer on concrete pad



# Photographer:

E. Van Doren

#### Date:

12/12/2012

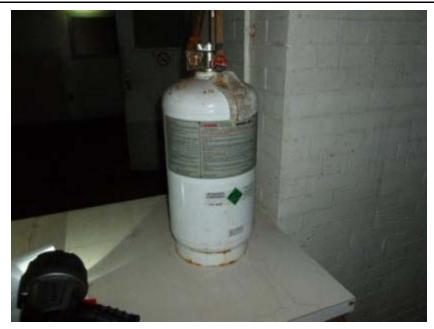
#### Direction:

NA

#### Comments:

20. Auditorium

Compressed nitrogen cylinder inside basement level.



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

North

#### **Comments:**

3. Codman Building

North entrance



# Photographer:

E. Van Doren

#### Date:

12/12/2012

#### Direction:

NA

#### Comments:

Codman BuildingBasement level

Basement level miscellaneous machine tools



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

### Date:

12/12/2012

#### Direction:

South

### **Comments:**

4. Talbot

Rear entrance



# Photographer:

E. Van Doren

### Date:

12/12/2012

### Direction:

North

### Comments:

4. Talbot

Building front showing deterioration.



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

Northeast

**Comments:** 

Childs Building Building front



Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

NA

Comments:

Childs Building
 Basement level with old medical equipment



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

East

#### Comments:

23. Administration Bldg. South front of building southwest corner



# Photographer:

E. Van Doren

#### Date:

12/12/2012

### Direction:

North

#### Comments:

23. Administration Bldg.

West side of building southwest corner



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

NA

#### Comments:

23. Administration Bldg

Lead-acid batteries in basement



# Photographer:

E. Van Doren

#### Date:

12/12/2012

#### Direction:

NA

#### Comments:

23. Administration Bldg

Propane tank for emergency lighting use.



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

#### Date:

12/12/2012

#### Direction:

North

#### Comments:

24. Kennedy School South facing building front



# Photographer:

E. Van Doren

#### Date:

12/12/2012

#### Direction:

Northeast

#### Comments:

24. Kennedy School
West side of building
Emergency generator
and transformer



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

Northwest

#### Comments:

24. Kennedy School East side of building Trash and debris disposal



# Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

North

#### Comments:

24. Kennedy School East side of building Rusted drum



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

East

# Comments:

22. Cafeteria and Kitchen

Loading dock area in back of building



# Photographer:

E. Van Doren

#### Date:

12/12/2012

#### Direction:

NA

#### Comments:

22. Cafeteria and Kitchen

Main kitchen area



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

NA

#### Comments:

22. Cafeteria and Kitchen Grease trap and liquid bacteria odor control drums



# Photographer:

E. Van Doren

Date:

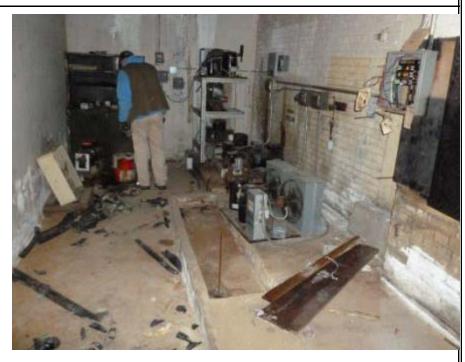
12/12/2012

Direction:

NA

#### Comments:

22. Cafeteria and Kitchen Compressor repair room



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

# Photographer:

E. Van Doren

Date:

12/12/2012

#### Direction:

NA

#### **Comments:**

22. Cafeteria and Kitchen Old pipe insulation on floor in basement



# Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

NA

#### Comments:

22. Cafeteria and Kitchen Elevator control room in basement



### 21. Main Storeroom

# Shaw Environmental, Inc. Photographic Record

Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

West

Comments:

21. Main Storeroom

East exterior wall



Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

NA

Comments:

21. Main Storeroom
Interior ground floor



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

NA

Comments:

21. Main Storeroom

Elevator basement level

Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

NAW

Comments:

21. Main Storeroom

Compressor room basement level





Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

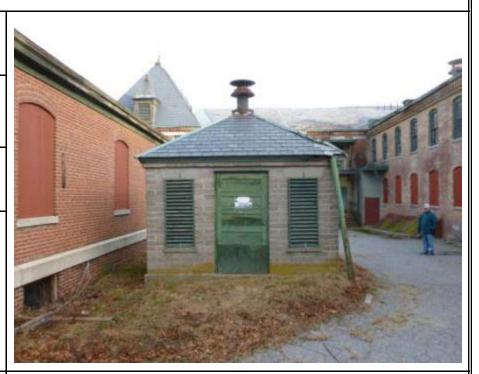
12/12/2012

**Direction:** 

East

Comments:

<u>Transformer Building</u>
Outside Main Storeroom



Photographer:

E. Van Doren

Date:

12/12/2012

Direction:

**NSEW** 

Comments:

Interior Transformer Building

Transformers



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

Northwest

Comments:

1. Daniel Building

South entrance



E. Van Doren

Date:

12/17/2012

Direction:

NA

Comments:

1. Daniel Building

Electrical equipment





Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

West

Comments:

Power Plant



Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

West

Comments:

Power Plant



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

**Direction: NA** 

**Comments:** 

Inside power plant electrical control room

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

NA

Comments:

Inside the power plant





Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

N/A

Comments:

Monitoring well near power plant



E. Van Doren

Date:

12/17/2012

Direction:

North

Comments:

Two water towers



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

East

Comments:

Pole Barn behind Maintenance Building

Photographer:

E. Van Doren

Date:

12/17/2012

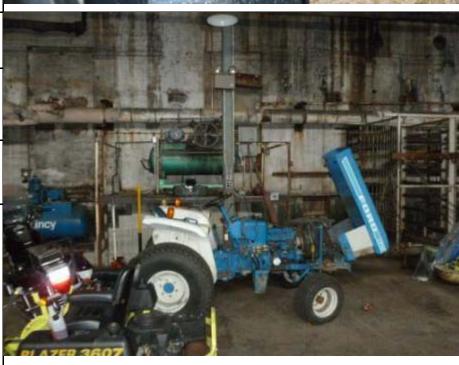
Direction:

NA

Comments:

Maintenance Building interior





Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

Northwest

**Comments:** 

Salvage Yard



Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

West

Comments:

Propane tank by Chauncy Hall



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

**Direction:** 

NA

**Comments:** 

Generator building near Chauncy Hall

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

North

Comments:

Low Pole Barn





Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

**Direction:** 

NA

Comments:

Heath Storage Barn #33



Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

East

Heath Storage Barn #33



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

NA

**Comments:** 

Chemical Storage inside Low Pole Barn #34



E. Van Doren

Date:

12/17/2012

Direction:

West

Former Farm in area DMH A, Formerly Building #35





Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

**Direction:** 

NA

Comments:

Inside the Main Garage



Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

North

Storage Hut



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

**Direction:** 

NA

**Comments:** 

Inside Storage Hut #42

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

West

Sewer Beds





Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

West

Comments:

Dumping area



Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

West

Incinerator, West of DMH Area C



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/17/2012

**Direction:** 

East

**Comments:** 

Green House



Photographer:

E. Van Doren

Date:

12/17/2012

Direction:

NA

Green House #38



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/26/2012

**Direction:** 

NA

Comments:

Cistern in back of Building #12



Photographer:

E. Van Doren

Date:

12/26/2012

Direction:

NA

Cistern in back of Building #12



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/26/2012

**Direction:** 

East

**Comments:** 

Typical residential home.



Photographer:

E. Van Doren

Date:

12/26/2012

Direction:

NA

Typical residential basement



Client: Massachusetts Department of Capital Asset Management

Site Name: Westborough State Hospital Site Location: Westborough, MA

Photographer:

E. Van Doren

Date:

12/26/2012

Direction:

Southeast

**Comments:** 

Unknown Building near water towers



Photographer:

E. Van Doren

Date:

12/26/2012

Direction:

NA

Inside Unknown building near water towers



# Appendix B Environmental Lien Search

Shaw is awaiting the Environmental Lien Search Reports from EDR

### Appendix C EDR Radius Map Report

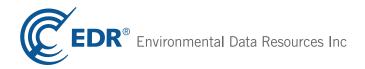
### Westborough State Hospital Campus-West/Northborough

288 Lyman Street Westborough, MA 01581

Inquiry Number: 03475273.2r

December 12, 2012

### The EDR Radius Map™ Report with GeoCheck®



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

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

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

288 LYMAN STREET WESTBOROUGH, MA 01581

#### **COORDINATES**

Latitude (North): 42.3025000 - 42° 18' 9.00" Longitude (West): 71.6115000 - 71° 36' 41.40"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 284736.0 UTM Y (Meters): 4686452.5

Elevation: 285 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42071-C5 MARLBOROUGH, MA

Most Recent Revision: 1983

West Map: 42071-C6 SHREWSBURY, MA

Most Recent Revision: 1983

#### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2010 Source: USDA

#### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
WESTBOROUGH STATE HOSPITAL LYMAN ST WESTBOROUGH, MA 1501	FTTS HIST FTTS	N/A
WESTBORO STATE HOSPITAL LYMAN ST	SHWS Compliance Status: Release Action Outcome	N/A
WESTBOROUGH, MA 01581	RELEASE Facility Status: Response Action Outcome	
WESTBOROUGH STATE HOSP LYMAN ST	LUST Facility Status: Response Action Outcome	N/A
WESTBOROUGH, MA 01581	RELEASE Facility Status: Response Action Outcome	

WESTBOROUGH STATE HOSPITAL 288 LYMAN STREET - HADLEY BUILDING WESTBOROUGH, MA 01581 **FINDS** 

N/A

WESTBOROUGH STATE HOSPITAL

**AIRS** 

N/A

288 LYMAN ST

WESTBOROUGH, MA 01581

WESTBOROUGH STATE HOSPITAL

MANIFEST

N/A

288 LYMANN STREET WESTBOROUGH, MA 01581

288 LYMAN ST 288 LYMAN ST WESTBOROUGH, MA HMIRS

N/A

#### **DATABASES WITH NO MAPPED SITES**

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

#### STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL......National Priority List

Proposed NPL.....Proposed National Priority List Sites

NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF...... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

RCRA-SQG..... RCRA - Small Quantity Generators Federal institutional controls / engineering controls registries US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls LUCIS.....Land Use Control Information System Federal ERNS list ERNS..... Emergency Response Notification System State and tribal landfill and/or solid waste disposal site lists SWF/LF...... Solid Waste Facility Database/Transfer Stations State and tribal leaking storage tank lists INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land State and tribal registered storage tank lists ..... Aboveground Storage Tank Database INDIAN UST...... Underground Storage Tanks on Indian Land FEMA UST..... Underground Storage Tank Listing State and tribal institutional control / engineering control registries INST CONTROL..... Sites With Activity and Use Limitation State and tribal voluntary cleanup sites INDIAN VCP..... Voluntary Cleanup Priority Listing ADDITIONAL ENVIRONMENTAL RECORDS Local Brownfield lists US BROWNFIELDS..... A Listing of Brownfields Sites Local Lists of Landfill / Solid Waste Disposal Sites ..... Open Dump Inventorv DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands Local Lists of Hazardous waste / Contaminated Sites US CDL..... Clandestine Drug Labs US HIST CDL...... National Clandestine Laboratory Register Local Land Records LIENS 2\_\_\_\_\_ CERCLA Lien Information

LIENS..... Liens Information Listing

#### Records of Emergency Release Reports

SPILLS..... Historical Spill List

#### Other Ascertainable Records

CONSENT..... Superfund (CERCLA) Consent Decrees

TRIS...... Toxic Chemical Release Inventory System

ICIS..... Integrated Compliance Information System

RAATS\_\_\_\_\_RCRA Administrative Action Tracking System

DRYCLEANERS...... Regulated Drycleaning Facilities
ENF....... Enforcement Action Cases
LEAD....... Lead Inspection Database
INDIAN RESERV Indian Reservations

INDIAN RESERV...... Indian Reservations SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

FINANCIAL ASSURANCE.... Financial Assurance Information Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

#### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal CERCLIS list

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

A review of the CERCLIS list, as provided by EDR, and dated 12/27/2011 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIBA TECH INC	97 TURNPIKE RD	SSE 1/4 - 1/2 (0.463 mi.)	F26	115

#### Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. 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.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/28/2011 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
DOERING EQUIPMENT	176 EAST MAIN ST.	SE 1/4 - 1/2 (0.493 mi.)	G28	121

#### Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/11/2012 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FEDEX SMARTPOST INC	1 BEEMAN RD	N 1/8 - 1/4 (0.147 mi.)	D15	37

#### State- and tribal - equivalent CERCLIS

SHWS: Contains information on releases of oil and hazardous materials that have been reported to DEP.

A review of the SHWS list, as provided by EDR, and dated 10/12/2012 has revealed that there are 25 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTBORO STATE HOSPITAL-NR CHA Compliance Status: Release Action Outco	75 LYMAN ST ome	N 0 - 1/8 (0.065 mi.)	<b>B</b> 9	22
TOYS R US DISTRIBUTION CENTER Compliance Status: Release Action Outcome	1 BEEMAN RD ome	N 1/8 - 1/4 (0.147 mi.)	D16	39
TOYS R US Compliance Status: Release Action Outco	1 BEEMAN RD ome	N 1/8 - 1/4 (0.147 mi.)	D17	44
RYDER INTEGRATED LOGISTICS  Compliance Status: Release Action Outco Compliance Status: Release Action Outco *Additional key fields are available in the I	ome	N 1/8 - 1/4 (0.148 mi.)	B19	50
JIFFY LUBE RT9 AND LYMAN ST Compliance Status: Release Action Outco	126 TURNPIKE RD	SSE 1/4 - 1/2 (0.402 mi.)	E20	53
SHELL STATION  Compliance Status: Remedy Operation St  Compliance Status: Downgradient Proper		SSE 1/4 - 1/2 (0.405 mi.)	E21	55
FORMER MOBIL STATION  Compliance Status: Release Action Outco Compliance Status: Release Action Outco		WS 1/4 - 1/2 (0.443 mi.)	23	75
FIBA TECHNOLOGIES  Compliance Status: Release Action Outco Compliance Status: Release Action Outco *Additional key fields are available in the I	me	SSE 1/4 - 1/2 (0.463 mi.)	F25	104
DOERING EQUIPMENT CO  Compliance Status: No Further Action (DE	176 EAST MAIN ST EP Determined)	SE 1/4 - 1/2 (0.493 mi.)	G27	120
MOBIL STATION  Compliance Status: Tier 1C Release .  Compliance Status: Release Action Outcome	42 LYMAN ST	S 1/4 - 1/2 (0.500 mi.)	29	122
TRANSFORMER RELEASE Compliance Status: Release Action Outcome	95A TURNPIKE RD ome	SE 1/2 - 1 (0.565 mi.)	G30	132
EXXON STATION Compliance Status: Release Action Outcompliance	150 TURNPIKE RD. ome	S 1/2 - 1 (0.569 mi.)	31	134
COMMERCIAL PROPERTY Compliance Status: Response Action Out	183 TURNPIKE ROAD come Not Required	SSW 1/2 - 1 (0.618 mi.)	H34	146
NEAR LYMAN STREET Compliance Status: Response Action Out	183 TURNPIKE ROAD come Not Required	SSW 1/2 - 1 (0.618 mi.)	H35	147
TURNPIKE PARK COOPERATIVE Compliance Status: Tier 1C Release.	165 TURNPIKE PARK	S 1/2 - 1 (0.627 mi.)	<i>1</i> 37	152
PEXCO INC Compliance Status: Downgradient Proper	170 BARTLETT ST ty Status	N 1/2 - 1 (0.673 mi.)	38	159
BAY STATE CIRCUITS INC Compliance Status: Release Action Outco	200 BARTLETT ST ome	NNE 1/2 - 1 (0.720 mi.)	J39	160

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A DUIE PYLE INC Compliance Status: Release Action Outco Compliance Status: Release Action Outco		NNE 1/2 - 1 (0.736 mi.)	J40	171
WESTMEADOW PLAZA Compliance Status: Release Action Outco	168 MILK ST me	SW 1/2 - 1 (0.818 mi.)	41	173
STRICA REALTY TRUST Compliance Status: Release Action Outco	14 LYONS ST me	ESE 1/2 - 1 (0.831 mi.)	42	175
MASSACHUSETTS CONTAINER CORP. Compliance Status: Release Action Outco Compliance Status: Response Action Outco *Additional key fields are available in the M	come Not Required	NE 1/2 - 1 (0.867 mi.)	K43	177
WAREHOUSE Compliance Status: Release Action Outco	<b>360 CEDAR HILL RD</b> me	NE 1/2 - 1 (0.873 mi.)	K44	187
JONES LANG LASALLA Compliance Status: Unclassified Compliance Status: Release Action Outco	1 RESEARCH DR	SE 1/2 - 1 (0.919 mi.)	46	190
SIERRA SUITES HOTEL Compliance Status: Release Action Outco	1800 COMPUTER DR me	ESE 1/2 - 1 (0.962 mi.)	47	193
Lower Elevation	Address	Direction / Distance	Map ID	Page
ROLL ON AMERICA Compliance Status: Pending No Further A	35 CHAUNCY ST ction	S 1/4 - 1/2 (0.443 mi.)	24	103

#### State and tribal leaking storage tank lists

LUST: Sites within the Releases Database that have a UST listed as its source.

A review of the LUST list, as provided by EDR, and dated 10/12/2012 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DURNING RESIDENCE KUMAR RESIDENCE Facility Status: Response Action Outcome	10 BAYLOR AVE 6 CANFIELD ST	SSE 0 - 1/8 (0.081 mi.) SSE 0 - 1/8 (0.093 mi.)	C10 C13	24 31
TOYS R US DISTRIBUTION CENTER Facility Status: Response Action Outcome Facility Status: Response Action Outcome	1 BEEMAN RD	N 1/8 - 1/4 (0.147 mi.)	D16	39
SHELL STATION  Facility Status: (Remedy Operation Status) Operation and Maintenance is being opera		•	E21	55
SHELL GAS STATION Facility Status: Response Action Outcome	128 TURNPIKE RD Not Required	SSE 1/4 - 1/2 (0.405 mi.)	E22	72
FORMER MOBIL STATION Facility Status: Response Action Outcome	MASSACHUSETTS TPKE	6AWS 1/4 - 1/2 (0.443 mi.)	23	<i>7</i> 5

LAST: The Leaking Aboveground Storage Tanks database

A review of the LAST list, as provided by EDR, and dated 10/12/2012 has revealed that there are 2 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTHBOROUGH OIL CO Facility Status: Response Action Ou	3 BAYLOR AVE	SSE 0 - 1/8 (0.087 mi.)	C12	27
KUMAR RESIDENCE Facility Status: Response Action Ou	6 CANFIELD ST utcome	SSE 0 - 1/8 (0.093 mi.)	C13	31

#### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's Summary Listing of all the Tanks Registered in the State of Massachusetts.

A review of the UST list, as provided by EDR, and dated 10/19/2012 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTBOROUGH STATE HOSPITAL	181 LYMAN ST	SSE 0 - 1/8 (0.010 mi.)	8	19

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Records of Emergency Release Reports

RELEASE: MA Release Tracking Database.

A review of the RELEASE list, as provided by EDR, and dated 10/12/2012 has revealed that there are 33 RELEASE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTBORO STATE HOSPITAL-NR CHA Facility Status: Response Action Outcome	75 LYMAN ST	N 0 - 1/8 (0.065 mi.)	B9	22
DURNING RESIDENCE NORTHBOROUGH OIL CO Facility Status: Response Action Outcome	10 BAYLOR AVE 3 BAYLOR AVE	SSE 0 - 1/8 (0.081 mi.) SSE 0 - 1/8 (0.087 mi.)	C10 C12	24 27
KUMAR RESIDENCE Facility Status: Response Action Outcome	6 CANFIELD ST	SSE 0 - 1/8 (0.093 mi.)	C13	31
TOYS R US DISTRIBUTION CENTER Facility Status: Response Action Outcome Facility Status: Response Action Outcome		N 1/8 - 1/4 (0.147 mi.)	D16	39
TOYS R US Facility Status: Response Action Outcome	1 BEEMAN RD	N 1/8 - 1/4 (0.147 mi.)	D17	44
RYDER INTEGRATED LOGISTICS Facility Status: Response Action Outcome Facility Status: Response Action Outcome		N 1/8 - 1/4 (0.148 mi.)	B19	50

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JIFFY LUBE RT9 AND LYMAN ST Facility Status: Response Action Outcome	126 TURNPIKE RD	SSE 1/4 - 1/2 (0.402 mi.)	<b>E20</b>	53
SHELL STATION Facility Status: Downgradient Property Sta	128 TURNPIKE RD tus	SSE 1/4 - 1/2 (0.405 mi.)	E21	55
SHELL GAS STATION Facility Status: Response Action Outcome	128 TURNPIKE RD Not Required	SSE 1/4 - 1/2 (0.405 mi.)	E22	72
FORMER MOBIL STATION Facility Status: Response Action Outcome	MASSACHUSETTS TPKE 6AI	WS 1/4 - 1/2 (0.443 mi.)	23	<b>75</b>
FIBA TECHNOLOGIES  Facility Status: Response Action Outcome Facility Status: Response Action Outcome		SSE 1/4 - 1/2 (0.463 mi.)	F25	104
<b>DOERING EQUIPMENT CO</b> Facility Status: DEP No Further Action	176 EAST MAIN ST	SE 1/4 - 1/2 (0.493 mi.)	G27	120
MOBIL STATION Facility Status: Response Action Outcome	42 LYMAN ST	S 1/4 - 1/2 (0.500 mi.)	29	122
TRANSFORMER RELEASE Facility Status: Response Action Outcome	95A TURNPIKE RD	SE 1/2 - 1 (0.565 mi.)	G30	132
<b>EXXON STATION</b> Facility Status: Response Action Outcome	150 TURNPIKE RD.	S 1/2 - 1 (0.569 mi.)	31	134
KING INSTRUMENT CORP Facility Status: Waiver Completion Statem	<b>78-82 TURNPIKE RD</b> ent,Permanent	SE 1/2 - 1 (0.576 mi.)	32	136
MALDONADO RESIDENCE Facility Status: Response Action Outcome Facility Status: Response Action Outcome		SSE 1/2 - 1 (0.615 mi.)	33	137
COMMERCIAL PROPERTY Facility Status: Response Action Outcome	183 TURNPIKE ROAD Not Required	SSW 1/2 - 1 (0.618 mi.)	H34	146
NEAR LYMAN STREET Facility Status: Response Action Outcome	183 TURNPIKE ROAD Not Required	SSW 1/2 - 1 (0.618 mi.)	H35	147
TURNPIKE PARK COOPERATIVE, INC Facility Status: Response Action Outcome	165 TURNPIKE ROAD Not Required	S 1/2 - 1 (0.627 mi.)	<i>1</i> 36	149
TURNPIKE PARK COOPERATIVE PEXCO INC Facility Status: Downgradient Property Sta	165 TURNPIKE PARK 170 BARTLETT ST tus	S 1/2 - 1 (0.627 mi.) N 1/2 - 1 (0.673 mi.)	137 38	152 159
BAY STATE CIRCUITS INC Facility Status: Response Action Outcome	200 BARTLETT ST	NNE 1/2 - 1 (0.720 mi.)	J39	160
A DUIE PYLE INC Facility Status: Response Action Outcome	210 BARTLETT ST	NNE 1/2 - 1 (0.736 mi.)	J40	171
WESTMEADOW PLAZA Facility Status: Response Action Outcome	168 MILK ST	SW 1/2 - 1 (0.818 mi.)	41	173
STRICA REALTY TRUST Facility Status: Response Action Outcome	14 LYONS ST	ESE 1/2 - 1 (0.831 mi.)	42	175
MASSACHUSETTS CONTAINER CORP. Facility Status: Response Action Outcome Facility Status: Response Action Outcome *Additional key fields are available in the M		NE 1/2 - 1 (0.867 mi.)	K43	177
WAREHOUSE Facility Status: Response Action Outcome	360 CEDAR HILL RD	NE 1/2 - 1 (0.873 mi.)	K44	187

Equal/Higher Elevation	Address	<b>Direction / Distance</b>	Map ID	Page 189	
HUTCHINS RESIDENCE Facility Status: Response Action Outcome	91 BRIGHAM ST	NW 1/2 - 1 (0.891 mi.)	45		
JONES LANG LASALLA Facility Status: Response Action Outcome Facility Status: Unclassified Waste Site	1 RESEARCH DR	SE 1/2 - 1 (0.919 mi.)	46	190	
SIERRA SUITES HOTEL Facility Status: Response Action Outcome	1800 COMPUTER DR	ESE 1/2 - 1 (0.962 mi.)	47	193	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
ROLL ON AMERICA Facility Status: Pending No Further Action	35 CHAUNCY ST	S 1/4 - 1/2 (0.443 mi.)	24	103	

#### Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

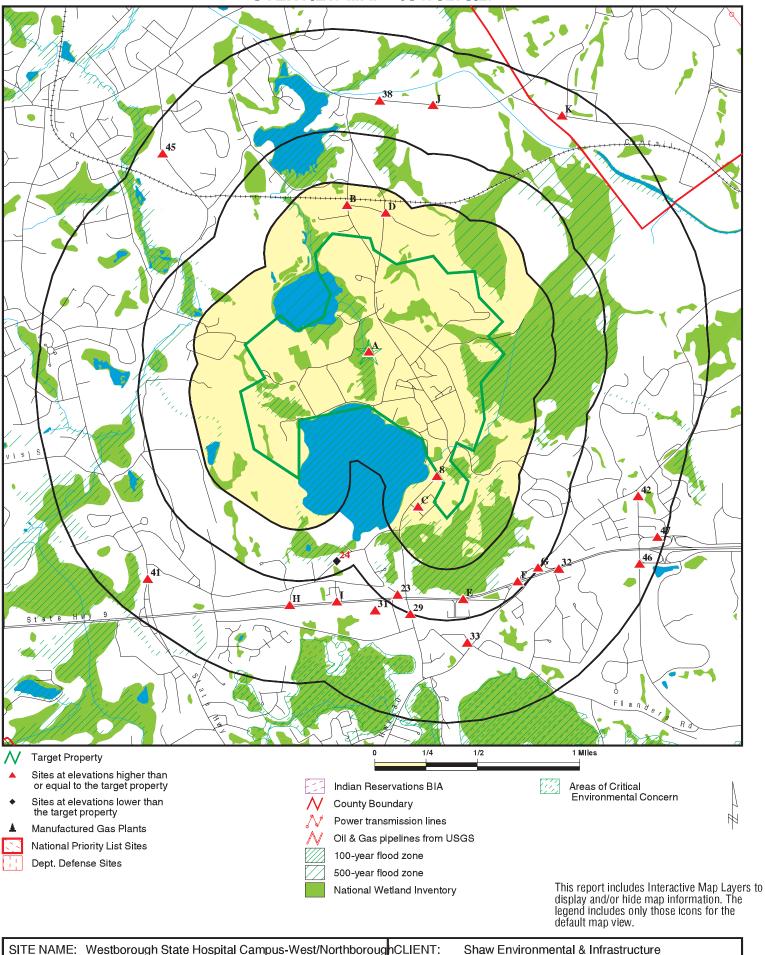
A review of the RCRA-NonGen list, as provided by EDR, and dated 09/11/2012 has revealed that there are 3 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	ual/Higher Elevation Address		Map ID	Page
MACDONALD & SONS GARAGE	19 ENDICOTT DR	SSE 0 - 1/8 (0.085 mi.)	C11	26
TOYS R US	1 BEEMAN RD	N 1/8 - 1/4 (0.147 mi.)	D17	44
FAHEY EXHIBITS INC	66 LYMAN ST	N 1/8 - 1/4 (0.148 mi.)	B18	48

Due to poor or inadequate address information, the following sites were not mapped. Count: 29 records.

Site Name	Database(s)
HOP BROOK FLOOD RETARDING FACILITY	HWS,RELEASE
HOP BROOK FLOOD FACILITY	HWS,RELEASE
CHURCH STREET	HWS,RELEASE
RTE 290 E 1.4 MI WEST OF EXIT 25B	HWS,RELEASE
MHD FACILITY 39	INST CONTROL, RELEASE, HWS, LUST
ROADWAY RELEASE	HWS,RELEASE
FRS MCNAMARA	HWS,RELEASE
TRUCK ACCIDENT	HWS,RELEASE
GET-A-WAY FARMS TRUCKING	HWS,RELEASE
ASTRO CRANE	HWS,RELEASE
MULCH SPILL	HWS,RELEASE
MASS HIGHWAY DEPT	HWS,RELEASE
ROADWAY SPILL	HWS,RELEASE
POLE 135	HWS,RELEASE
MIDWEST COAST TRANSPORT	HWS,RELEASE
WASTE MANAGEMENT, INC	HWS,RELEASE
OWENS AND MINOR DISTRIBUTORS INC	HWS,RELEASE
SERVICE AREA 6AW	HWS,RELEASE
WESTBOROUGH PLAZA 6A	HWS,RELEASE
NORTHBOROUGH LANDFILL	LF
DIXON IND PENN DIXON DIV	FINDS,RCRA-NLR
NORTHBOROUGH LANDFILL	FINDS
NORTHBOROUGH	FINDS
NORTHBOROUGH TOWN OF MS4	FINDS
WESTBOROUGH WOODS	FINDS
WESTBOROUGH WOODS	FINDS
WESTBOROUGH WATER PURIFICATION PLA	FINDS
WESTBOROUGH	FINDS
NORTHBOROUGH TOWN OF MS4	ICIS

#### **OVERVIEW MAP - 03475273.2r**



Westborough State Hospital Campus-West/Northborough CLIENT: 288 Lyman Street CONTACT: Shaw Environmental & Infrastructure ADDRESS:

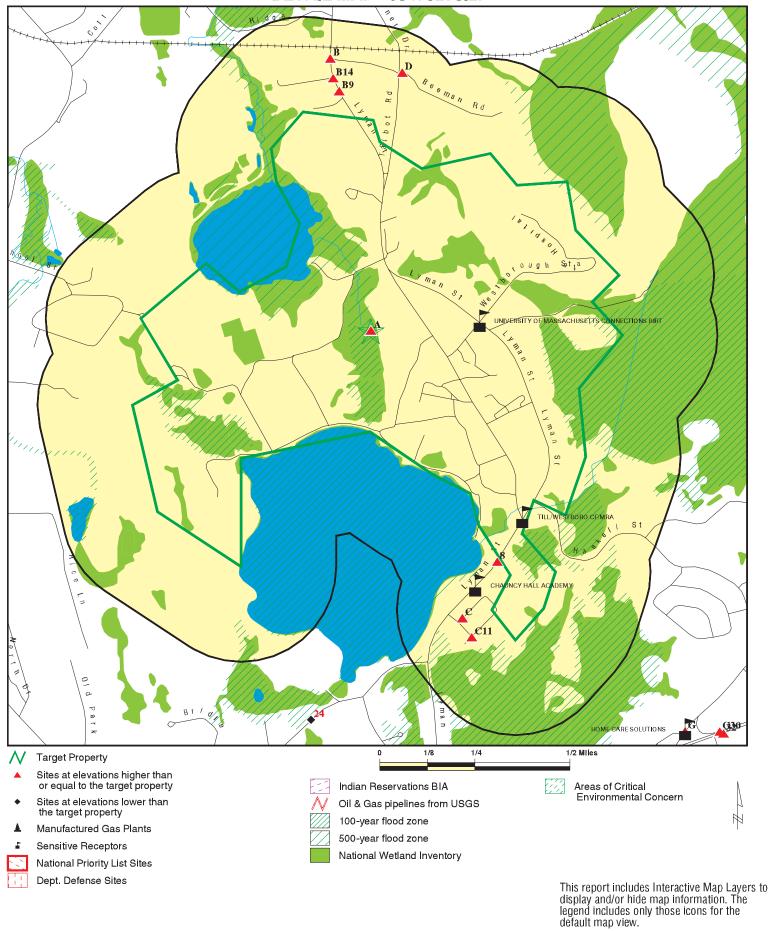
Westborough MA 01581 LAT/LONG: 42.3025 / 71.6115

INQUIRY #: 03475273.2r DATE: December 12, 2012 1:46 pm

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Sheila Barry

#### **DETAIL MAP - 03475273.2r**



SITE NAME: Westborough State Hospital Campus-West/Northborough CLIENT: Shaw Environmental & Infrastructure ADDRESS: 288 Lyman Street CONTACT: Sheila Barry

Westborough MA 01581 INQUIRY #: 03475273.2r DATE: December 12, 2012 1:48 pm

### **MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY	0.500 0.500		0 0	0 0	1 0	NR NR	NR NR	1 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP	0.500		0	0	1	NR	NR	1
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 1	NR NR NR	NR NR NR	NR NR NR	0 0 1
Federal institutional cor engineering controls re								
US ENG CONTROLS US INST CONTROL LUCIS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS	6						
SHWS	1.000	1	1	3	7	14	NR	26
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST LAST INDIAN LUST	0.500 0.500 0.500	1	2 2 0	1 0 0	3 0 0	NR NR NR	NR NR NR	7 2 0
State and tribal registered storage tank lists								
UST	0.250		1	0	NR	NR	NR	1

### **MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST INDIAN UST FEMA UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institution control / engineering control /		s						
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary	y cleanup site	es						
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS	3						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
ODI DEBRIS REGION 9	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous Contaminated Sites	s waste /							
US CDL US HIST CDL	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
LIENS 2 LIENS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Records of Emergency F	Release Repo	rts						
HMIRS SPILLS RELEASE	TP TP 1.000	1 2	NR NR 4	NR NR 3	NR NR 8	NR NR 18	NR NR NR	1 0 35
Other Ascertainable Rec	ords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT ROD UMTRA MINES TRIS TSCA FTTS HIST FTTS SSTS	0.250 TP 1.000 1.000 1.000 1.000 0.500 0.250 TP TP TP TP	1 1	1 NR 0 0 0 0 0 NR NR NR NR NR	2 NR 0 0 0 0 0 NR NR NR NR NR	NR NR 0 0 0 0 NR NR NR NR NR	NR NR O O O O NR NR NR NR NR NR NR	NR NR NR NR NR NR NR NR NR NR NR NR NR	3 0 0 0 0 0 0 0 0 0

### **MAP FINDINGS SUMMARY**

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
1010	TD		ND	ND	ND	ND	ND	
ICIS PADS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0
MLTS	TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP	'	NR	NR	NR	NR	NR	Ó
NPDES	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	Ö
ENF	TP		NR	NR	NR	NR	NR	Ö
AIRS	TP	1	NR	NR	NR	NR	NR	1
LEAD	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
GWDP	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
EDR PROPRIETARY RECOR	<u>DS</u>							
EDR Proprietary Records								
Manufactured Gas Plants	1.000		0	0	0	0	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID MAP FINDINGS

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

A1 WESTBOROUGH STATE HOSPITAL FTTS 1009525901
Target LYMAN ST HIST FTTS N/A

Property WESTBOROUGH, MA 1501

Site 1 of 7 in cluster A

Actual: FTTS INSP:

**285 ft.** Inspection Number: 199702199823 1

Region: 01
Inspection Date: 02/19/97
Inspector: MOHAMOUD

Violation occurred: No

Investigation Type: Section 6 PCB Federal Conducted

Investigation Reason: For Cause, Follow-Up

Legislation Code: TSCA Facility Function: User

HIST FTTS INSP:

Inspection Number: 199702199823 1

Region: 0°

Inspection Date: Not reported MOHAMOUD

Violation occurred: No

Investigation Type: Section 6 PCB Federal Conducted

Investigation Reason: For Cause, Follow-Up

Legislation Code: TSCA Facility Function: User

A2 WESTBORO STATE HOSPITAL SHWS \$103383216
Target LYMAN ST RELEASE N/A

Property WESTBOROUGH, MA 01581

Site 2 of 7 in cluster A

Actual: SHWS: 285 ft. Facil

Facility ID: 2-0012359
Release Town: WESTBOROUGH
Notification Date: 08/02/1998
Category: 120 DY
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 01/17/2001 Phase: Not reported

Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No

Significant Risk exists.

Oil Or Haz Material: Oil and Hazardous Material

Location Type: Not reported Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: BENZO[B]FLUORANTHENE
Quantity: .8 milligrams per kilogram

Chemical: TPH

Quantity: 710 milligrams per kilogram

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **WESTBORO STATE HOSPITAL (Continued)**

S103383216

**EDR ID Number** 

Action:

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 8/27/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 1/17/2001

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/2/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/13/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Release:

Facility ID: 2-0012359
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 08/02/1998
Category: 120 DY

Current Status: Response Action Outcome

Status Date: 01/17/2001 Phase: Not reported

Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No

Significant Risk exists.

Oil / Haz Material Type: Oil and Hazardous Material

A3 WESTBOROUGH STATE HOSP

Target LYMAN ST

Property WESTBOROUGH, MA 01581

LUST 1002930761 RELEASE N/A

Site 3 of 7 in cluster A

Actual: 285 ft.

LUST: Facility:

Facility ID: 2-0013490

Current Status: Response Action Outcome

Status Date: 07/26/2006 Source Type: UST

Release Town: WESTBOROUGH
Notification Date: 09/22/2000
Category: 72 HR
Associated ID: Not reported
Phase: PHASE II

Map ID MAP FINDINGS

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### WESTBOROUGH STATE HOSP (Continued)

1002930761

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil Location Type: STATE Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **GASOLINE** 

Quantity: 1328 parts per million

Action:

Action Type: Release Abatement Measure Action Status: Status or Interim Report Received

Action Date: 6/5/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Status or Interim Report Received

Action Date: 12/14/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 9/26/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT 8/14/2001 Action Date:

A permanent solution has been achieved. Contamination has not been Response Action Outcome:

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/16/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Completion Statement Received

Action Date: 7/24/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Status or Interim Report Received

Action Date: 12/10/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Map ID MAP FINDINGS

Direction Distance Elevation

Elevation Site Database(s) EPA ID Number

#### WESTBOROUGH STATE HOSP (Continued)

1002930761

**EDR ID Number** 

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 6/17/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/22/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 7/26/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 9/22/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 1/17/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 1/17/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 2/27/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 6/8/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 6/16/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 12/23/2002

Direction Distance

Elevation Site Database(s) EPA ID Number

WESTBOROUGH STATE HOSP (Continued)

1002930761

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 8/4/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/23/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 9/26/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 9/26/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 6/16/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 7/5/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 7/24/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received

Action Date: 11/21/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 6/10/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

## WESTBOROUGH STATE HOSP (Continued)

1002930761

**EDR ID Number** 

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 3/31/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0013490
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 09/22/2000

Category: 72 HR

Current Status: Response Action Outcome

Status Date: 07/26/2006 Phase: PHASE II

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

A4 WESTBOROUGH STATE HOSPITAL
Target 288 LYMAN STREET - HADLEY BUILDING

Property WESTBOROUGH, MA 01581

FINDS 1005552521

N/A

Site 4 of 7 in cluster A

Actual: 285 ft.

FINDS:

Registry ID: 110011137028

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United

Direction Distance

Elevation Site Database(s) EPA ID Number

## WESTBOROUGH STATE HOSPITAL (Continued)

1005552521

S109546322

N/A

**AIRS** 

**EDR ID Number** 

States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer System

#### CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

A5 WESTBOROUGH STATE HOSPITAL

Target 288 LYMAN ST

Property WESTBOROUGH, MA 01581

Site 5 of 7 in cluster A

Actual: AIRS:

**285 ft.** Fa

Facility Status: APPROV Permit Code: AQ09

Permit Name: PERMIT TO RESTRICT POTENTIAL EMISSIONS

DEP Region: CE
Application Tracking Number: W037783
Date Closed: 09/11/2003

Applicant Name: WESTBORO STATE HOSPITAL

Applicant Address: LYMAN ST

Applicant City,St,Zip: WESTBOROUGH, MA 015810000

Applicant Telephone: 5083664401

Facility Status: NOTREQ Permit Code: AQ09

Permit Name: PERMIT TO RESTRICT POTENTIAL EMISSIONS

DEP Region: CE
Application Tracking Number: W025210
Date Closed: 02/12/2003

Applicant Name: WESTBORO STATE HOSPITAL

Applicant Address: LYMAN ST

Applicant City,St,Zip: WESTBOROUGH, MA 015810000

Applicant Telephone: 5083664401

Facility Status: APPROV Permit Code: AQ09

Permit Name: PERMIT TO RESTRICT POTENTIAL EMISSIONS

DEP Region: CE
Application Tracking Number: 126677
Date Closed: 11/02/1998

Applicant Name: WESTBORO STATE HOSPITAL

Applicant Address: LYMAN ST

Applicant City,St,Zip: WESTBOROUGH, MA 015810000

Applicant Telephone: 5083664401

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

A6 WESTBOROUGH STATE HOSPITAL

**MANIFEST** S110491491 **Target 288 LYMANN STREET** N/A **Property** WESTBOROUGH, MA 01581

#### Site 6 of 7 in cluster A

Actual: 285 ft.

NY MANIFEST:

MAP083664401 EPA ID:

Country: USA Mailing Name:

WESTBOROUGH STATE HOSPITAL

Mailing Contact: JOSEPH HAUGHES

Mailing Address: P O BOX 288 - 288 LYMANN STREET

Mailing Address 2: Not reported Mailing City: WESTBOROUGH

Mailing State: MA Mailing Zip: 01581 Mailing Zip4: Not reported Mailing Country: USA

Mailing Phone: 508-366-4401

Document ID: Not reported Manifest Status: Not reported MAD985286988 Trans1 State ID: Trans2 State ID: Not reported Generator Ship Date: 2010-03-29 2010-03-29 Trans1 Recv Date: Trans2 Recv Date: Not reported 2010-04-08 TSD Site Recy Date: Part A Recv Date: Not reported Part B Recv Date: Not reported MAP083664401 Generator EPA ID: Trans1 EPA ID: Not reported Trans2 EPA ID: Not reported TSDF ID: NYD077444263 Waste Code: Not reported Quantity: 28.0

P - Pounds Units: Number of Containers: 1.0

Container Type: DF - Fiberboard or plastic drums (glass)

Handling Method: L Landfill. Specific Gravity: 1.0 Year: 2010

Manifest Tracking Num: 002863572FLE

Import Ind: **Export Ind:** Ν Discr Quantity Ind: Ν Discr Type Ind: Ν Discr Residue Ind: Ν Discr Partial Reject Ind: Ν Discr Full Reject Ind: Ν

Manifest Ref Num: Not reported Alt Fac RCRA Id: Not reported Alt Fac Sign Date: Not reported Mgmt Method Type Code: H141

Document ID: Not reported Manifest Status: Not reported **EDR ID Number** 

Direction Distance Elevation

n Site Database(s) EPA ID Number

## WESTBOROUGH STATE HOSPITAL (Continued)

S110491491

**EDR ID Number** 

Trans1 State ID: MAD985286988 Trans2 State ID: Not reported Generator Ship Date: 2010-03-29 Trans1 Recv Date: 2010-03-29 Trans2 Recv Date: Not reported 2010-04-08 TSD Site Recv Date: Part A Recv Date: Not reported Part B Recv Date: Not reported Generator EPA ID: MAP083664401 Trans1 EPA ID: Not reported Trans2 EPA ID: Not reported TSDF ID: NYD077444263 Waste Code: Not reported Quantity: 53.0 P - Pounds

Units: P - Pour Number of Containers: 1.0

Container Type: DF - Fiberboard or plastic drums (glass)

Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2010

Manifest Tracking Num: 002863572FLE

Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N

Manifest Ref Num:
Alt Fac RCRA Id:
Not reported
Not reported
Not reported
Not reported
Mgmt Method Type Code:
H141

Document ID: Not reported Manifest Status: Not reported Trans1 State ID: MAD985286988 Trans2 State ID: Not reported Generator Ship Date: 2010-03-29 Trans1 Recv Date: 2010-03-29 Trans2 Recv Date: Not reported TSD Site Recv Date: 2010-04-08 Part A Recv Date: Not reported Part B Recv Date: Not reported MAP083664401 Generator EPA ID: Trans1 EPA ID: Not reported Trans2 EPA ID: Not reported NYD077444263 TSDF ID: Waste Code: Not reported Quantity: 7.0 P - Pounds Units:

Number of Containers: 1.0

Container Type: DF - Fiberboard or plastic drums (glass)

Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2010

Manifest Tracking Num: 002863572FLE

Direction Distance Elevation

**EDR ID Number** Site Database(s) **EPA ID Number** 

## **WESTBOROUGH STATE HOSPITAL (Continued)**

S110491491

Import Ind: Ν Export Ind: Ν Discr Quantity Ind: Ν Discr Type Ind: Ν Discr Residue Ind: Ν Discr Partial Reject Ind: Ν Discr Full Reject Ind: Ν

Manifest Ref Num: Not reported Alt Fac RCRA Id: Not reported Alt Fac Sign Date: Not reported Mgmt Method Type Code: H141

Document ID: Not reported Manifest Status: Not reported Trans1 State ID: MAD985286988 Trans2 State ID: Not reported 2010-03-29 Generator Ship Date: Trans1 Recv Date: 2010-03-29 Trans2 Recv Date: Not reported TSD Site Recv Date: 2010-04-08 Part A Recv Date: Not reported Part B Recv Date: Not reported Generator EPA ID: MAP083664401 Trans1 EPA ID: Not reported Trans2 EPA ID: Not reported TSDF ID: NYD077444263 Waste Code: Not reported Quantity: 10.0 Units: P - Pounds

Number of Containers: DF - Fiberboard or plastic drums (glass) Container Type:

1.0

Handling Method: L Landfill. Specific Gravity: 1.0 2010 Year:

Manifest Tracking Num: 002863572FLE

Import Ind: Ν **Export Ind:** Ν Discr Quantity Ind: Ν Ν Discr Type Ind: Discr Residue Ind: Ν Discr Partial Reject Ind: Ν Discr Full Reject Ind: Ν

Manifest Ref Num: Not reported Alt Fac RCRA Id: Not reported Alt Fac Sign Date: Not reported Mgmt Method Type Code: H141

Document ID: Not reported Manifest Status: Not reported Trans1 State ID: MAD985286988 Trans2 State ID: Not reported Generator Ship Date: 2010-06-30 Trans1 Recv Date: 2010-06-30 Trans2 Recy Date: Not reported TSD Site Recv Date: 2010-07-15

Direction Distance Elevation

tion Site Database(s) EPA ID Number

# WESTBOROUGH STATE HOSPITAL (Continued)

S110491491

**EDR ID Number** 

Part A Recv Date:
Part B Recv Date:
Not reported
Not reported
Generator EPA ID:
MAP083664401
Trans1 EPA ID:
Not reported
Not reported
Trans2 EPA ID:
Not reported
Not reported
NYD077444263
Waste Code:
Not reported
Not reported

Quantity: 7.0
Units: P - Pounds
Number of Containers: 1.0

Container Type: DF - Fiberboard or plastic drums (glass)

Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2010

Manifest Tracking Num: 003168524FLE

Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N

Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Not reported Document ID: Manifest Status: Not reported Trans1 State ID: MAD985286988 Trans2 State ID: Not reported Generator Ship Date: 2010-06-30 Trans1 Recv Date: 2010-06-30 Not reported Trans2 Recv Date: TSD Site Recv Date: 2010-07-15 Not reported Part A Recv Date: Part B Recv Date: Not reported MAP083664401 Generator EPA ID: Trans1 EPA ID: Not reported Trans2 EPA ID: Not reported TSDF ID: NYD077444263 Waste Code: Not reported

Quantity: 6.0

Units: P - Pounds

Number of Containers: 1.0

Container Type: DF - Fiberboard or plastic drums (glass)

Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2010

Manifest Tracking Num: 003168524FLE

Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **WESTBOROUGH STATE HOSPITAL (Continued)**

S110491491

Discr Full Reject Ind: Ν

Manifest Ref Num: Not reported Alt Fac RCRA Id: Not reported Alt Fac Sign Date: Not reported Mgmt Method Type Code: H141

Document ID: Not reported Manifest Status: Not reported Trans1 State ID: MAD985286988 Trans2 State ID: Not reported 2010-06-30 Generator Ship Date: Trans1 Recv Date: 2010-06-30 Trans2 Recv Date: Not reported 2010-07-15 TSD Site Recv Date: Part A Recv Date: Not reported Part B Recv Date: Not reported MAP083664401 Generator EPA ID: Trans1 EPA ID: Not reported Trans2 EPA ID: Not reported TSDF ID: NYD077444263 Waste Code: Not reported Quantity: 7.0 Units: P - Pounds

Number of Containers: 1.0

Container Type: DF - Fiberboard or plastic drums (glass)

Handling Method: L Landfill. Specific Gravity: 1.0 2010 Year:

003168524FLE Manifest Tracking Num:

Import Ind: N Export Ind: Ν Discr Quantity Ind: Ν Discr Type Ind: Ν Discr Residue Ind: Ν Discr Partial Reject Ind: Ν Discr Full Reject Ind: Ν

Manifest Ref Num: Not reported Alt Fac RCRA Id: Not reported Alt Fac Sign Date: Not reported H141

Mgmt Method Type Code:

288 LYMAN ST Α7 **Target** 288 LYMAN ST **Property** WESTBOROUGH, MA

Site 7 of 7 in cluster A

Actual: Click this hyperlink while viewing on your computer to access 285 ft.

additional HMIRS detail in the EDR Site Report.

**HMIRS** 

2008449740

N/A

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

8 WESTBOROUGH STATE HOSPITAL UST 1000520357

SSE 181 LYMAN ST FINANCIAL ASSURANCE N/A < 1/8 WESTBOROUGH, MA 01581

0.010 mi. 52 ft.

Relative: UST:

Higher Facility ID: 18159

Actual: Facility:

298 ft. Owner ld:

Owner: COMM OF MASS

Owner Address: LYMAN ST

Owner City, St, Zip: WESTBOROUGH, MA 01581

1480

Telephone: (617) 366-4401

Description: Other
Fire Dept. ID: 27328
Date of Inspection: Not reported

Date Installed: 05/10/1986 Status Date: 12/08/2010

Tank ID: 1

Tank Status: Removed Tank Useage: Not reported Tank Material: Steel 1 Wall Tank Contents: Tank Leak Detection: Not reported Pipe Material: Not reported Pipe Container: 1 Wall Pipe Leak Detection: Not reported Serial Number: Not reported

Aboveground: No
Capacity: 2000
Contents: Gasoline

Date Installed: 05/10/1986 Status Date: Not reported

Tank ID:

Tank Status: Removed Not reported Tank Useage: Tank Material: Not reported Tank Contents: Not reported Tank Leak Detection: Not reported Pipe Material: Not reported Not reported Pipe Container: Pipe Leak Detection: Not reported Serial Number: Not reported

Aboveground: No
Capacity: 5000
Contents: Unknown

Date Installed: 05/10/1974 Status Date: 05/10/1974

Tank ID: 3

Tank Status:RemovedTank Useage:Not reportedTank Material:Steel

Direction Distance Elevation

ation Site Database(s) EPA ID Number

## WESTBOROUGH STATE HOSPITAL (Continued)

1000520357

**EDR ID Number** 

Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Material: Not reported
Pipe Container: Not reported
Pipe Leak Detection: Not reported
Serial Number: Not reported

Aboveground: No Capacity: 1000 Contents: Other

Date Installed: 05/10/1961 Status Date: 12/08/2010

Tank ID: 4

Tank Status:RemovedTank Useage:Other Non-Tank Material:SteelTank Contents:Not reported

Pipe Leak Detection: Not reported Pipe Container: Not reported Pipe Leak Detection: Not reported Serial Number: Not reported Aboveground: Not reported Not report

Capacity: 500
Contents: Liquefied

Date Installed: 05/10/1966 Status Date: 12/08/2010

Tank ID: 5

Tank Status: Removed

Tank Useage: Other Non-Tank Material: Steel Tank Contents: Not reported Tank Leak Detection: Not reported Not reported Pipe Material: Pipe Container: Not reported Pipe Leak Detection: Not reported Not reported Serial Number:

Aboveground: No
Capacity: 500
Contents: Liquefied

 Date Installed:
 05/10/1976

 Status Date:
 12/08/2010

 Tank ID:
 6

Tank Status: Removed Tank Useage: Other Non-Tank Material: Steel Tank Contents: Not reported Not reported Tank Leak Detection: Pipe Material: Not reported Pipe Container: Not reported Pipe Leak Detection: Not reported Serial Number: Not reported

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

### **WESTBOROUGH STATE HOSPITAL (Continued)**

1000520357

Aboveground: No
Capacity: 500
Contents: Other

Date Installed: 05/10/1962 Status Date: 12/18/2010

Tank ID: 7

Tank Status:RemovedTank Useage:Not reportedTank Material:Steel

Tarik Material. Steel

Tank Contents:

Tank Leak Detection:

Pipe Material:

Pipe Container:

Pipe Leak Detection:

Serial Number:

Not reported

Aboveground: No Capacity: 30000 Contents: Fuel Oil

Date Installed: Not reported Status Date: 12/18/2010 Tank ID: 8

Tank Status: Removed Tank Useage: Not reported

Tank Useage:
Tank Material:
Not reported

Aboveground: No
Capacity: 30000
Contents: Fuel Oil

Date Installed: Not reported Status Date: 12/18/2010

Tank ID: 9

Tank Status: Removed Not reported Tank Useage: Tank Material: Not reported Tank Contents: Not reported Tank Leak Detection: Not reported Pipe Material: Not reported Pipe Container: Not reported Pipe Leak Detection: Not reported Serial Number: Not reported Aboveground: 30000 Capacity:

MA FINANCIAL ASSURANCE 2:

Contents:

Facility Id: 18159

Fuel Oil

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

**WESTBOROUGH STATE HOSPITAL (Continued)** 

1000520357

Description: Other

Work Phone: (617) 366-4401

WESTBORO STATE HOSPITAL-NR CHAUNCY HALL **B9** North **75 LYMAN ST** 

S103545445 SHWS **RELEASE** N/A

< 1/8 NORTHBOROUGH, MA 01532

0.065 mi.

345 ft. Site 1 of 4 in cluster B

SHWS: Relative:

2-0010111 Facility ID: Higher

Release Town: **NORTHBOROUGH** Actual: Notification Date: 12/07/1993

324 ft. Category: TWO HR

Associated ID: Not reported **Current Status:** 

**Response Action Outcome** 

Status Date: 02/02/1994 Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material:

Location Type: ST HOSITAL **ROADWAY** Location Type: STATE Location Type: Source Type: **FUELTANK** 

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **DIESEL FUEL** Quantity: 40 gallons DIESEL FUEL Chemical: Quantity: 25 gallons

Action:

Action Type: Immediate Response Action Action Status: Oral Approval of Plan or Action

Action Date: 12/22/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Oral Approval of Plan or Action Action Status:

Action Date: 12/29/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Oral Approval of Plan or Action Action Status:

Action Date: 12/7/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 12/8/1993

A permanent solution has been achieved. Contamination has been reduced Response Action Outcome:

Direction Distance

Elevation Site Database(s) EPA ID Number

## WESTBORO STATE HOSPITAL-NR CHAUNCY HALL (Continued)

S103545445

**EDR ID Number** 

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 2/2/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/29/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 1/18/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 12/7/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 1/4/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action

Action Status: Oral Plan Denied and/or Written Plan Requested

Action Date: 12/22/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/22/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Release:

Facility ID: 2-0010111
Primary ID: Not reported
Official City: NORTHBOROUGH

Notification: 12/07/1993 Category: TWO HR

Current Status: Response Action Outcome

Status Date: 02/02/1994
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type: Oil

Direction Distance

Elevation Site Database(s) EPA ID Number

C10 DURNING RESIDENCE LUST S105521398
SSE 10 BAYLOR AVE RELEASE N/A

< 1/8 WESTBOROUGH, MA 01581

0.081 mi.

426 ft. Site 1 of 4 in cluster C

Relative: LUST: Higher Facility:

Actual: 288 ft. Facility ID: 2-0014313
Current Status: INVSUB
Status Date: 06/12/2003

Source Type: UST

Release Town: WESTBOROUGH
Notification Date: 05/15/2002
Category: 72 HR
Associated ID: Not reported
Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Oil and Hazardous Material

Location Type: RESIDNTIAL

Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS

Quantity: 3340 milligrams per kilogram

Chemical: #2 FUEL OIL
Quantity: 208 parts per million
Chemical: 2-METHYLNAPHTHALENE
Quantity: 89.9 milligrams per kilogram

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS

Quantity: 126 milligrams per kilogram

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS

Quantity: 8110 milligrams per kilogram

Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS

Quantity: 1200 milligrams per kilogram

Chemical: NAPHTHALENE

Quantity: 34.1 milligrams per kilogram

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS

Quantity: 1090 milligrams per kilogram

Action:

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT
Action Date: 4/17/2003
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/21/2002 Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 5/15/2002
Response Action Outcome: Not reported

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

## **DURNING RESIDENCE (Continued)**

S105521398

**EDR ID Number** 

Action Type: Immediate Response Action Level I - Technical Screen Audit Action Status:

6/11/2003 Action Date: Response Action Outcome: Not reported

Response Action Outcome - RAO Action Type:

Submittal Determined to be Invalid by DEP Action Status:

Action Date: 6/12/2003 Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO

Action Status: Revised Statement or Transmittal Received

Action Date: 8/28/2003 Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit Notice of Non-compliance related to an Audit Action Status:

Action Date: 6/12/2003 Response Action Outcome: Not reported

Action Type: **RLFA FOLOFF** Action Status: 9/23/2002 Action Date: Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 9/18/2002 Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 5/15/2002 Response Action Outcome: Not reported

RLFA Action Type: Action Status: **FOLOFF** Action Date: 12/5/2002 Response Action Outcome: Not reported

Action Type: **RNF** 

Action Status: Reportable Release under MGL 21E

Action Date: 7/12/2002 Response Action Outcome: Not reported

Action Type: **RLFA** Action Status: **FOLOFF** Action Date: 9/24/2002 Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO Action Status: **RAO Statement Received** 

5/15/2003 Action Date:

Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO Action Status: Level I - Technical Screen Audit

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**DURNING RESIDENCE (Continued)** 

S105521398

1000191132

MAD981071129

RCRA-NonGen

**FINDS** 

Action Date: 6/11/2003 Response Action Outcome: Not reported

RLFA Action Type: FOLOFF Action Status: Action Date: 5/15/2002 Response Action Outcome: Not reported

Release:

Facility ID: 2-0014313 Primary ID: Not reported Official City: WESTBOROUGH Notification: 05/15/2002 Category: 72 HR Current Status: **INVSUB** Status Date: 06/12/2003 Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Oil and Hazardous Material

C11 **MACDONALD & SONS GARAGE** SSE 19 ENDICOTT DR

< 1/8 WESTBOROUGH, MA 01581

0.085 mi.

451 ft. Site 2 of 4 in cluster C

Relative:

RCRA-NonGen:

Date form received by agency: 09/18/1985 Higher MACDONALD & SONS GARAGE Facility name:

Actual: Facility address: 19 ENDICOTT DR

286 ft.

WESTBOROUGH, MA 01581 EPA ID: MAD981071129

RICHARD MACDONALD Contact: Contact address: 19 ENDICOTT DR

WESTBORO, MA 01581

Contact country: US

Contact telephone: (508) 366-7273 Contact email: Not reported

EPA Region: 01

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MACDONALD & SONS GARAGE

Owner/operator address: 19 ENDICOTT DR

WESTBORO, MA 01581

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 03/01/1990 Owner/Op end date: 06/30/1991

Handler Activities Summary:

U.S. importer of hazardous waste: No

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

# MACDONALD & SONS GARAGE (Continued)

1000191132

Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: Nο Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET. WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003462066

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

C12 **NORTHBOROUGH OIL CO** LAST S106776032 SSE 3 BAYLOR AVE RELEASE N/A

WESTBOROUGH, MA 01581 < 1/8

0.087 mi.

461 ft. Site 3 of 4 in cluster C

LAST: Relative:

Higher Facility ID: 2-0015496 Source Type: AST

Actual: Release Town: WESTBOROUGH 288 ft. Notification Date: 11/26/2004

Category: TWO HR Associated ID: Not reported

**Current Status: Response Action Outcome** 

Status Date: 12/05/2006 PHASE II Phase:

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

## NORTHBOROUGH OIL CO (Continued)

S106776032

**EDR ID Number** 

Oil Or Haz Material: Oil

Chemical:

Chemical: #2 FUEL OIL
Quantity: 250 gallons
Location Type: RESIDNTIAL

Source Type: AST

Action:

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 5/30/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 12/30/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: FLDISS
Action Date: 11/26/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 12/28/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 1

Action Status: Level I - Technical Screen Audit

Action Date: 12/30/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 6/14/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 12/16/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 12/2/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Direction Distance

Elevation Site Database(s) EPA ID Number

## NORTHBOROUGH OIL CO (Continued)

S106776032

**EDR ID Number** 

Action Status: Status or Interim Report Received

Action Date: 4/15/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 10/11/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 1/2/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 2/1/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan

Action Date: 11/26/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 2/1/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 12/2/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 12/5/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 4/22/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 12/5/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

Direction Distance

Elevation Site Database(s) EPA ID Number

## NORTHBOROUGH OIL CO (Continued)

S106776032

**EDR ID Number** 

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 11/26/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 12/2/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Level I - Technical Screen Audit

Action Date: 12/30/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 2/8/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 12/2/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 11/26/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan

Action Date: 11/27/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT Action Date: 10/7/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0015496
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 11/26/2004
Category: TWO HR

Direction Distance

Elevation Site Database(s) EPA ID Number

NORTHBOROUGH OIL CO (Continued)

S106776032

**RELEASE** 

**EDR ID Number** 

Current Status: Response Action Outcome

Status Date: 12/05/2006 Phase: PHASE II

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oi

C13 KUMAR RESIDENCE LUST S110526211
SSE 6 CANFIELD ST LAST N/A

< 1/8 WESTBOROUGH, MA 01581

0.093 mi.

489 ft. Site 4 of 4 in cluster C

Relative: LUST: Higher Facility:

Actual: Facility ID: 2-0016663

288 ft. Current Status: Response Action Outcome

Status Date: 06/19/2008

Source Type: UST

Release Town: WESTBOROUGH
Notification Date: 06/19/2007
Category: TWO HR
Associated ID: Not reported
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil

Location Type: RESIDNTIAL Source Type: UST Source Type: AST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: FUEL OIL #2
Quantity: 10 gallons

Action:

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 11/2/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 11/14/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only

Action Date: 7/2/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

**KUMAR RESIDENCE (Continued)** 

S110526211

**EDR ID Number** 

Action Type: Release Disposition

Action Status: Release or TOR Less than Reporting Requirement

Action Date: 4/20/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 8/24/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 11/2/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 6/27/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/9/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/6/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 6/19/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 9/20/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan

Action Date: 7/9/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 6/19/2008

Direction Distance

Elevation Site Database(s) EPA ID Number

KUMAR RESIDENCE (Continued)

S110526211

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 6/19/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/27/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

LAST:

Facility ID: 2-0016663 Source Type: AST

Release Town: WESTBOROUGH
Notification Date: 06/19/2007
Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 06/19/2008 Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil

Chemical:

Chemical: FUEL OIL #2
Quantity: 10 gallons
Location Type: RESIDNTIAL
Source Type: UST

Source Type: AST

Action:

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 11/2/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 11/14/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only

Action Date: 7/2/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Release or TOR Less than Reporting Requirement

Direction Distance Elevation

Elevation Site Database(s) EPA ID Number

### **KUMAR RESIDENCE (Continued)**

S110526211

**EDR ID Number** 

Action Date: 4/20/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received

Action Date: 8/24/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 11/2/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 6/27/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/9/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/6/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 6/19/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 9/20/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan

Action Date: 7/9/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 6/19/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

## **KUMAR RESIDENCE (Continued)**

S110526211

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 6/19/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/27/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0016663
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 06/19/2007
Category: TWO HR

Current Status: Response Action Outcome

Status Date: 06/19/2008
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

B14 ROYMAR CORP MANIFEST S109756987
North 71 LYMAN ST. N/A

North 71 LYMAN ST. < 1/8 NORTHBOROGH, MA

0.098 mi.

516 ft. Site 2 of 4 in cluster B

Relative:

\_\_\_\_\_

Higher

CT MANIFEST:

Waste:

Actual: Manifest No: MAM272070 312 ft. Waste Occurence: 1

UNNA: 3139 Hazard Class: 5.1

US Dot Description: oxidizing liquid nos

No of Containers: 001
Container Type: DF
Quantity: 167
Weight/Volume: P

Additional Description: Not reported Handling Code: Not reported Date Record Was Last Modified: 4/27/2004

DEO Who Last Modified Record: IG

Manifest No: MAM272070

Waste Occurence: 3
UNNA: 1719
Hazard Class: 8

US Dot Description: caustic alkali liquid nos

No of Containers: 001
Container Type: DF
Quantity: 250
Weight/Volume: P

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ROYMAR CORP (Continued)** S109756987

Additional Description: Not reported Not reported Handling Code: Date Record Was Last Modified: 4/27/2004

DEO Who Last Modified Record: IG

MAM272070 Manifest No:

Waste Occurence: 2 1992 UNNA: Hazard Class:

US Dot Description: FLAMMABLE LIQUID POISONOUS NOS

No of Containers: 001 Container Type: DF Quantity: 250 Weight/Volume:

Additional Description: Not reported Handling Code: Not reported Date Record Was Last Modified: 4/27/2004

DEO Who Last Modified Record: IG

MAM272070 Manifest No:

Waste Occurence: 4 UNNA: 1719 Hazard Class:

CAUSTIC ALKALI LIQUIDS NOS US Dot Description:

No of Containers: 001 Container Type: DF Quantity: 130 Weight/Volume:

Additional Description: Not reported Handling Code: Not reported Date Record Was Last Modified: 4/27/2004

DEO Who Last Modified Record: IG

Waste CD:

Manifest No: MAM272070

Waste Occurence:

**EPA Waste Code:** D001 Recycled Waste?: Date Record Was Last Modified: 4/27/2004 DEO Who Last Modified Record: IG

Manifest No: MAM272070

Waste Occurence: EPA Waste Code: D001 Recycled Waste?: Date Record Was Last Modified: 4/27/2004 DEO Who Last Modified Record: IG

Manifest No: MAM272070

Waste Occurence: 3 EPA Waste Code: D002 Recycled Waste?: Date Record Was Last Modified: 4/27/2004 DEO Who Last Modified Record: IG

Manifest No: MAM272070

Waste Occurence: 4

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**ROYMAR CORP (Continued)** S109756987

EPA Waste Code: D002 Recycled Waste?: Date Record Was Last Modified: 4/27/2004 DEO Who Last Modified Record: IG

Detail:

2000 Year:

Manifest ID: MAM272070 TSDF EPA ID: MAD000604447

SAFETY KLEEN NE INC TSDF Name: TSDF Address: 300 CANAL ST

TSDF City,St,Zip: LAWRENCE, MA 01840

TSDF Country: USA TSDF Telephone: Not reported Transport Date: 10/20/2000 Transporter EPA ID: SCR000074591

Transporter Name: SAFETY-KLEEN (T.G.) INC

Transporter Country: USA

Transporter Phone: Not reported Trans 2 Date: Not reported Trans 2 EPA ID: Not reported Trans 2 Name: Not reported Trans 2 Address: Not reported

СТ Trans 2 City, St, Zip: USA Trans 2 Country:

Trans 2 Phone: Not reported EPA ID: MA5083934225 Generator Phone: Not reported Generator Mailing Addr: 71 LYMAN ST. NORTHBOROGH Generator Mailing Town:

Generator Mailing State: MA

Generator Mailing Zip: Not reported

Generator Mailing Country: **USA** 

Special Handling: Not reported Discrepancies: Not reported Date Shipped: 10/20/2000 Date Received: Not reported Last modified date: 4/27/2004 Last modified by: IG

Comments: Not reported

**FEDEX SMARTPOST INC** RCRA-CESQG 1014917051 MAC300016649 North 1 BEEMAN RD

1/8-1/4 NORTHBOROUGH, MA 01532

RCRA-CESQG:

0.147 mi.

D15

Site 1 of 3 in cluster D 775 ft.

Relative: Date form received by agency: 07/12/2011 Higher

FEDEX SMARTPOST INC Facility name:

Actual: Facility address: 1 BEEMAN RD

306 ft. NORTHBOROUGH, MA 01532

EPA ID: MAC300016649

Mailing address: FEDEX GROUND 1000 FEDEX DR

MOON TOWNSHIP, PA 151080000

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

## FEDEX SMARTPOST INC (Continued)

1014917051

**EDR ID Number** 

Contact: NANCY BEAUMONT Contact address: 1000 FEDEX DR

MOON TOWNSHIP, PA 151080000

Contact country: US

Contact telephone: (412) 262-7347

Contact email: NANCY.BEAUMONT@FEDEX.COM

EPA Region: 01

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: MW INDUSTRIAL BEEMAN RD LLC

Owner/operator address: 1000 FEDEX DR

MOON TOWNSHIP, PA 15108

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/23/2005
Owner/Op end date: Not reported

Owner/operator name: FEDEX SMARTPOST INC

Owner/operator address: 1000 FEDEX DR

MOON TOWNSHIP, PA 15108

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 01/01/2004 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No

Direction Distance

Elevation Site Database(s) EPA ID Number

FEDEX SMARTPOST INC (Continued)

1014917051

**EDR ID Number** 

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

**SHWS** 

S102083956

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

North 1 BEEMAN RD LUST N/A

1/8-1/4 NORTHBOROUGH, MA 01532 RELEASE

0.147 mi.

D16

775 ft. Site 2 of 3 in cluster D

Relative: SHWS:

Relative: SHWS:
Higher Facility ID: 2-0010043

TOYS R US DISTRIBUTION CENTER

Release Town: NORTHBOROUGH

 Actual:
 Notification Date:
 10/14/1993

 306 ft.
 Category:
 72 HR

Category: 72 HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 10/11/1994
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Source Type: PIPE Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: DIESEL FUEL
Quantity: Not reported

Action:

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only

Direction Distance

Elevation Site Database(s) EPA ID Number

## TOYS R US DISTRIBUTION CENTER (Continued)

S102083956

**EDR ID Number** 

Action Date: 10/20/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/29/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Action Status: Written Approval of Plan

Action Date: 3/25/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: An activity type that is related to an Audit

Action Status: NOA Action Date: 3/9/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 3/14/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/14/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 10/14/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 10/11/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 10/11/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 7/11/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### TOYS R US DISTRIBUTION CENTER (Continued)

S102083956

Action Type: Release Disposition

Reportable Release under MGL 21E Action Status:

10/14/1993 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

LUST:

Facility:

Facility ID: 2-0010043

**Current Status: Response Action Outcome** 

Status Date: 10/11/1994 Source Type: UST

Release Town: **NORTHBOROUGH** 

Notification Date: 10/14/1993 Category: 72 HR Associated ID: Not reported Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Oil

COMMERCIAL Location Type:

Source Type: PIPE UST Source Type:

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **DIESEL FUEL** Quantity: Not reported

Action:

Action Type: Response Action Outcome - RAO Action Status: Fee Received - FMCRA Use Only

Action Date: 10/20/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

RNF Action Type:

Action Status: Reportable Release under MGL 21E

10/29/1993 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Action Status: Written Approval of Plan

3/25/1994 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: An activity type that is related to an Audit

Action Status: NOA 3/9/1995 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

Direction Distance

Elevation Site Database(s) EPA ID Number

## TOYS R US DISTRIBUTION CENTER (Continued)

S102083956

**EDR ID Number** 

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received

Action Date: 3/14/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/14/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 10/14/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 10/11/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 10/11/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 7/11/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/14/1993

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Facility:

Facility ID: 2-0012442

Current Status: Response Action Outcome

Status Date: 12/28/1998 Source Type: UST

Release Town: NORTHBOROUGH

Notification Date: 10/06/1998
Category: 72 HR
Associated ID: Not reported
Phase: Not reported

Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No

Significant Risk exists.

Direction Distance

Elevation Site Database(s) EPA ID Number

TOYS R US DISTRIBUTION CENTER (Continued)

Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: DIESEL FUEL
Quantity: 153 parts per million

Action:

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 10/6/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/6/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/9/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 12/28/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 10/9/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/20/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/6/1998

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

**EDR ID Number** 

S102083956

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### TOYS R US DISTRIBUTION CENTER (Continued)

S102083956

Release:

2-0010043 Facility ID: Primary ID: Not reported Official City: **NORTHBOROUGH** 

Notification: 10/14/1993 Category: 72 HR

**Current Status:** Response Action Outcome

Status Date: 10/11/1994 Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type:

Facility ID: 2-0012442 Primary ID: Not reported NORTHBOROUGH Official City: Notification: 10/06/1998 Category: 72 HR

**Current Status:** Response Action Outcome

Status Date: 12/28/1998 Phase: Not reported

Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No

Significant Risk exists.

Oil / Haz Material Type: Oil

D17 **TOYS R US** RCRA-NonGen 1001232388 North 1 BEEMAN RD **FINDS** MAR000011239

NORTHBOROUGH, MA 01532 1/8-1/4

0.147 mi.

775 ft. Site 3 of 3 in cluster D

RCRA-NonGen: Relative:

Date form received by agency: 10/30/2000 Higher

Facility name: TOYS R US Facility address: 1 BEEMAN RD

Actual: 306 ft.

NORTHBOROUGH, MA 01532

EPA ID: MAR000011239 Contact: BETH GITTER Contact address: 461 FROM RD PARAMUS, NJ 07652

Contact country: US

Contact telephone: (201) 802-5935 Contact email: Not reported

EPA Region: 01

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: TOYR R US INC Owner/operator address: 461 FROM RD PARAMUS, NJ 07652

US Owner/operator country:

Not reported Owner/operator telephone: Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/01/1900 Owner/Op end date: Not reported **SHWS** 

**RELEASE** 

Distance Elevation Site

Site Database(s) EPA ID Number

TOYS R US (Continued) 1001232388

Owner/operator name: TOYS R US
Owner/operator address: 461 FROM RD

PARAMUS, NJ 07652

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 10/27/1990 Owner/Op end date: 10/30/2000

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 09/12/1998 Facility name: TOYS R US

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D008 Waste name: LEAD

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: MA01 Waste name: WASTE OIL

Violation Status: No violations found

FINDS:

Registry ID: 110003498297

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

TOYS R US (Continued) 1001232388

MA-EPICS - Massachussetts Environmental Protection Integrated Computer System

SHWS:

Facility ID: 2-0012949

Release Town: NORTHBOROUGH

Notification Date: 09/23/1999
Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 02/11/2000 Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Oil

Location Type: INDUSTRIAL Source Type: SADDLE TAN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: DIESEL FUEL Quantity: 20 gallons

Action:

Action Type: Compliance and Enforcement Action

Action Status: RFI
Action Date: 12/13/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 12/13/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 2/11/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 2/11/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 12/13/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

TOYS R US (Continued) 1001232388

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 9/23/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/18/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action

Action Status: ACOP Action Date: 12/21/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/21/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 2/11/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/14/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/23/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/23/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Release:

Facility ID: 2-0012949
Primary ID: Not reported
Official City: NORTHBOROUGH

Notification: 09/23/1999 Category: TWO HR

Current Status: Response Action Outcome

Status Date: 02/11/2000

**EDR ID Number** 

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

TOYS R US (Continued) 1001232388

Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type: Oi

 B18
 FAHEY EXHIBITS INC
 RCRA-NonGen
 1000226034

 North
 66 LYMAN ST
 FINDS
 MAD985270685

1/8-1/4 NORTHBOROUGH, MA 01532

0.148 mi.

782 ft. Site 3 of 4 in cluster B

Relative: RCRA-NonGen:

Higher Date form received by agency: 05/18/1988

Facility name: FAHEY EXHIBITS INC

Actual: Facility address: 66 LYMAN ST NORTHBORD

NORTHBOROUGH, MA 01532

EPA ID: MAD985270685 Mailing address: PO BOX 958

NORTHBOROUGH, MA 01532

Contact: JAMES-J EAGER
Contact address: PO BOX 958

NORTHBOROUGH, MA 01532

Contact country: US

Contact telephone: (508) 393-7799 Contact email: Not reported

EPA Region: 01

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: FAHEY EXHIBITS INC

Owner/operator address: PO BOX 958

NORTHBOROUGH, MA 01532

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 03/01/1979 Owner/Op end date: 06/30/1992

Owner/operator name: JOAN FAHEY & BILL HARINGTON

Owner/operator address: PO BOX 958

NORTHBOROUGH, MA 01532

Owner/operator country: US

Owner/operator telephone: Not reported Private
Owner/Operator Type: Owner
Owner/Op start date: 10/16/2004
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

**FAHEY EXHIBITS INC (Continued)** 

1000226034

On-site burner exemption: No Furnace exemption: No Used oil fuel burner: Nο Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: Nο Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110006817150

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer

System

Direction Distance

Distance Elevation Site EDR ID Number Database(s) EPA ID Number

B19 RYDER INTEGRATED LOGISTICS SHWS \$102084180

North 66 LYMAN ST RELEASE N/A

1/8-1/4 NORTHBOROUGH, MA 01532 AIRS

0.148 mi.

782 ft. Site 4 of 4 in cluster B

Relative: Higher SHWS: Facility ID: 2-0014936

Release Town: NORTHBOROUGH

 Actual:
 Notification Date:
 10/01/2003

 300 ft.
 Category:
 TWO HR

 Associated ID:
 Not reported

Current Status: Response Action Outcome

Status Date: 10/28/2003 Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Not reported Location Type: ROADWAY Source Type: VEHICLE

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: DIESEL Quantity: 23 gallons

Action:

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 10/1/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 10/28/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/10/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 1/2/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 10/4/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Direction Distance

Elevation Site Database(s) EPA ID Number

## RYDER INTEGRATED LOGISTICS (Continued)

S102084180

**EDR ID Number** 

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/28/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/1/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Facility ID: 2-0010384

Release Town: NORTHBOROUGH

Notification Date: 07/13/1994
Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 10/21/1994
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: O

Location Type: CATCHBASIN
Source Type: VEHICLE
Source Type: HYDRA LNE

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: HYDRAULIC FLUID

Quantity: 10 gallons

Action:

Action Type: An activity type that is related to an Audit

Action Status: NOA Action Date: 10/7/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 7/13/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 7/13/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 7/14/1994

Direction Distance

Elevation Site Database(s) EPA ID Number

## RYDER INTEGRATED LOGISTICS (Continued)

S102084180

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 10/21/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/14/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 11/23/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: An activity type that is related to an Audit Action Status: Notice of Non-compliance related to an Audit

Action Date: 11/23/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/21/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Release:

Facility ID: 2-0010384
Primary ID: Not reported
Official City: NORTHBOROUGH
Notification: 07/13/1994
Category: TWO HR

Current Status: Response Action Outcome

Status Date: 10/21/1994
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type: Oil

Facility ID: 2-0014936
Primary ID: Not reported
Official City: NORTHBOROUGH

Notification: 10/01/2003 Category: TWO HR

Current Status: Response Action Outcome

Status Date: 10/28/2003
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

### RYDER INTEGRATED LOGISTICS (Continued)

S102084180

Oil / Haz Material Type: Not reported

AIRS:

Facility Status: APPROV Permit Code: AQ01

Permit Name: LIMITED PLAN APPLICATION

DEP Region: CE
Application Tracking Number: P26848
Date Closed: 11/20/1998

Applicant Name: NEW CORR PACKING CO

Applicant Address: 66 LYMAN ST

Applicant City, St, Zip: NORTHBOROUGH, MA 015320000

Applicant Telephone: 5083939256

E20 JIFFY LUBE RT9 AND LYMAN ST SHWS S104179727 SSE 126 TURNPIKE RD SHWS M/A

1/4-1/2 WESTBOROUGH, MA 01581

0.402 mi.

2123 ft. Site 1 of 3 in cluster E

Relative: SHWS:

 Higher
 Facility ID:
 2-0012858

 Release Town:
 WESTBOROUGH

 Actual:
 Notification Date:
 07/03/1999

289 ft. Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 01/26/2000
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil

Location Type: COMMERCIAL Source Type: OTHER

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: GASOLINE Quantity: 60 gallons

Action:

Action Type: An activity type that is related to an Audit

Action Status: NOA
Action Date: 2/19/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action - DEP Lead

Action Status: Oral Approval of Plan or Action

Action Date: 10/6/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: FLDISS

Direction Distance Flevation

Elevation Site Database(s) EPA ID Number

## JIFFY LUBE RT9 AND LYMAN ST (Continued)

S104179727

**EDR ID Number** 

Action Date: 7/3/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only

Action Date: 1/27/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit

Action Status: AFUPLN Action Date: 12/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action - DEP Lead

Action Status: IRA Assessment Only

Action Date: 7/3/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 1/26/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit

Action Date: 2/19/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit

Action Date: 7/11/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit

Action Date: 7/11/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/6/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 9/19/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

JIFFY LUBE RT9 AND LYMAN ST (Continued)

S104179727

**EDR ID Number** 

Action Type: Release Disposition

Reportable Release under MGL 21E Action Status:

Action Date: 7/3/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit Action Status: Audit Follow-up Completion Statement Received

Action Date: 12/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 10/6/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 7/29/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: **RLFA** Action Status: **FOLOFF** Action Date: 10/6/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0012858 Primary ID: Not reported Official City: WESTBOROUGH Notification: 07/03/1999 Category: TWO HR

**Current Status:** Response Action Outcome

Status Date: 01/26/2000 Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type:

E21 **SHELL STATION** SHWS S100831497 **128 TURNPIKE RD** LUST

WESTBOROUGH, MA 01580 1/4-1/2

0.405 mi.

SSE

2138 ft. Site 2 of 3 in cluster E

SHWS: Relative:

Facility ID: 2-0011906 Higher Release Town: WESTBOROUGH Actual: Notification Date: 10/24/1997 291 ft. Category: 120 DY

> Associated ID: Not reported

**Current Status: Downgradient Property Status**  N/A

**RELEASE** 

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

SHELL STATION (Continued)

S100831497

Status Date: 06/05/1997 Not reported Phase:

Response Action Outcome:

Oil Or Haz Material: Hazardous Material Location Type: Not reported Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **MTBE** 

Quantity: 270000 micrograms per liter

Action:

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

11/12/1997 Action Date: Response Action Outcome: Not reported

Action Type: **RNF** 

Action Status: Reportable Release under MGL 21E

Action Date: 10/24/1997 Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/24/1997 Response Action Outcome: Not reported

**Downgradient Property Status** Action Type:

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/5/1997 Response Action Outcome: Not reported

Facility ID: 2-0000733 Release Town: WESTBOROUGH Notification Date: 03/26/1990 Category: NONE Associated ID: 2-0000733

**Current Status: Remedy Operation Status** 

Status Date: 08/25/2008 PHASE V Phase:

Response Action Outcome:

Oil Or Haz Material: Not reported Location Type: COMMERCIAL Location Type: **GASSTATION** 

Source Type: UST PIPE Source Type:

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **UNKNOWN** Quantity: Not reported

Distance

Elevation Site Database(s) EPA ID Number

#### SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action:

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit

Action Date: 9/17/2002 Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 10/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/12/2006
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/23/2012
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Submittal Determined to be Invalid by DEP

Action Date: 9/17/2002 Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 3/26/1990
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 3/1/2005 Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 8/26/2004
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/12/2007
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/17/2011
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/7/2007
Response Action Outcome: Not reported

Action Type: Phase 5

Distance Elevation Site

ation Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Status: Level I - Technical Screen Audit

Action Date: 4/8/2008
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 7/17/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 8/28/2002
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Revised Statement or Transmittal Received

Action Date: 7/8/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 8/8/2006
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/13/2001 Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/7/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/19/2011
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 2/23/2012
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 10/9/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 10/15/1998
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 11/4/2004

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/3/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/28/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 10/25/2002
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/24/2009
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 2/17/2011
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/3/2006
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/19/2011
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 4/3/2009
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 7/17/2000
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 12/16/1998
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Written Plan Received

Action Date: 6/3/2003
Response Action Outcome: Not reported

Distance

Elevation Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Type: RLFA
Action Status: FLDRUN
Action Date: 5/17/2007
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 8/28/2002
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/26/1993
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVSIG
Action Date: 11/16/1992
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 1/3/2002
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINI
Action Date: 8/3/2006
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/24/2012
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/25/2008
Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 9/15/2000 Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Level I - Technical Screen Audit

Action Date: 9/20/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 12/8/2004
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Direction Distance Elevation

on Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Date: 12/18/2000
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 3/26/1990
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 1/8/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 7/12/2002
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 1/7/2008
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 5/22/2007
Response Action Outcome: Not reported

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 3/28/2000
Response Action Outcome: Not reported

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 10/4/2006
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/22/2010
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/18/2010
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/24/2009
Response Action Outcome: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

SHELL STATION (Continued)

S100831497

Action Type: Phase 5

Remedy Operation Status Report Received Action Status:

2/22/2010 Action Date: Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/24/2012 Response Action Outcome: Not reported

Phase 5 Action Type:

Action Status: Level I - Technical Screen Audit

Action Date: 9/25/2008 Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 10/4/2007 Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Completion Statement Received

Action Date: 8/26/2004 Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 11/4/2003 Response Action Outcome: Not reported

Tier Classification Action Type:

Action Status: LSP of Record Change via Minor Permit Mod

Action Date: 8/3/2006 Response Action Outcome: Not reported

Tier Classification Action Type: Action Status: Tier 2 Extension Action Date: 10/30/1997 Response Action Outcome: Not reported

Action Type: **TREGS** Action Status: WAVREC Action Date: 8/18/1992 Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 8/29/2005 Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

8/25/2008 Action Date: Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Distance

Elevation Site Database(s) EPA ID Number

SHELL STATION (Continued) S100831497

Action Date: 8/7/2007
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level II - Audit Inspection

Action Date: 5/22/2007
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 3/14/2006
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 11/27/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 10/16/1998
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 2/28/2006
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 2/24/2009
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/18/2010
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/24/2009
Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: As-Built Construction Report Received

Action Date: 8/26/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 11/22/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 8/28/2002
Response Action Outcome: Not reported

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 8/26/1998
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVACC
Action Date: 8/26/1993
Response Action Outcome: Not reported

LUST:

Facility:

Facility ID: 2-0000733

Current Status: (Remedy Operation Status): A site where a remedial system which relies

upon Active Operation and Maintenance is being operated for the

purpose of achieving a Permanent Solution.

Status Date: 08/25/2008

Source Type: UST

Release Town: WESTBOROUGH
Notification Date: 03/26/1990
Category: NONE
Associated ID: 2-0000733
Phase: PHASE V

Response Action Outcome: -

Oil Or Haz Material: Not reported Location Type: COMMERCIAL Location Type: GASSTATION

Source Type: UST Source Type: PIPE

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: UNKNOWN Quantity: Not reported

Action:

Action Type: An activity type that is related to an Audit Action Status: Notice of Non-compliance related to an Audit

Action Date: 9/17/2002 Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 10/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/12/2006
Response Action Outcome: Not reported

Action Type: Phase 5

Direction Distance Elevation

Elevation Site Database(s) EPA ID Number

### SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Status: RMRINT
Action Date: 2/23/2012
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO

Action Status: Submittal Determined to be Invalid by DEP

Action Date: 9/17/2002 Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 3/26/1990
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 3/1/2005
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 8/26/2004
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/12/2007
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/17/2011
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/7/2007
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 4/8/2008
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 7/17/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 8/28/2002
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Revised Statement or Transmittal Received

Action Date: 7/8/2002

Direction Distance

Elevation Site Database(s) EPA ID Number

### SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 8/8/2006
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/13/2001
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/7/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/19/2011
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 2/23/2012
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 10/9/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 10/15/1998
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 11/4/2004
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/3/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/28/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 10/25/2002
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/24/2009
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 2/17/2011
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/3/2006
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/19/2011
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 4/3/2009
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 7/17/2000
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 12/16/1998
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Written Plan Received

Action Date: 6/3/2003
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRUN
Action Date: 5/17/2007
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 8/28/2002
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/26/1993
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVSIG

Direction
Distance

Elevation Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Date: 11/16/1992 Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 1/3/2002
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINI
Action Date: 8/3/2006
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/24/2012
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/25/2008
Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 9/15/2000 Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Level I - Technical Screen Audit

Action Date: 9/20/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 12/8/2004
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 12/18/2000
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 3/26/1990
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 1/8/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 7/12/2002
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 1/7/2008
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 5/22/2007
Response Action Outcome: Not reported

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 3/28/2000
Response Action Outcome: Not reported

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 10/4/2006
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 2/22/2010
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/18/2010
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 8/24/2009
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 2/22/2010
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/24/2012
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 9/25/2008 Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Direction
Distance

Elevation Site Database(s) EPA ID Number

### SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Date: 10/4/2007 Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Completion Statement Received

Action Date: 8/26/2004
Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 11/4/2003
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: LSP of Record Change via Minor Permit Mod

Action Date: 8/3/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 10/30/1997
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVREC
Action Date: 8/18/1992
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 8/29/2005
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 8/25/2008
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/7/2007
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level II - Audit Inspection

Action Date: 5/22/2007
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 3/14/2006
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 11/27/2006
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

### SHELL STATION (Continued)

S100831497

**EDR ID Number** 

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 10/16/1998
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 2/28/2006
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 2/24/2009
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/18/2010
Response Action Outcome: Not reported

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 8/24/2009
Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: As-Built Construction Report Received

Action Date: 8/26/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 11/22/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 8/28/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 8/26/1998
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVACC
Action Date: 8/26/1993
Response Action Outcome: Not reported

Release:

 Facility ID:
 2-0000733

 Primary ID:
 2-0000733

 Official City:
 WESTBOROUGH

 Notification:
 03/26/1990

 Category:
 NONE

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

SHELL STATION (Continued) S100831497

**Current Status: REMOPS** 08/25/2008 Status Date: PHASE V Phase:

Response Action Outcome:

Oil / Haz Material Type: Not reported

Facility ID: 2-0011906 Primary ID: Not reported Official City: WESTBOROUGH Notification: 10/24/1997 120 DY Category:

**Current Status: Downgradient Property Status** 

06/05/1997 Status Date: Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

E22 **SHELL GAS STATION** LUST S108117590 **128 TURNPIKE RD** SSE **RELEASE** N/A 1/4-1/2 WESTBOROUGH, MA

0.405 mi.

2138 ft. Site 3 of 3 in cluster E

LUST: Relative: Higher Facility:

Facility ID: 2-0016348 Actual:

**Current Status: Response Action Outcome Not Required** 291 ft.

Status Date: 11/27/2006 Source Type: UST

Release Town: WESTBOROUGH Notification Date: 08/08/2006 Category: 72 HR 2-0000733 Associated ID: Not reported Phase:

Response Action Outcome: Oil Or Haz Material: Oil

**COMMERCIAL** Location Type:

Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **GASOLINE** .05 gallons per hour Quantity:

Action:

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

8/28/2002 Action Date: Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/26/1993 Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

### SHELL GAS STATION (Continued)

S108117590

**EDR ID Number** 

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 10/4/2006
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/8/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/12/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 10/16/1998
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 8/26/1998
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 10/12/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 8/28/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 10/25/2002 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Revised Statement or Transmittal Received

Action Date: 7/8/2002 Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 11/27/2006
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 11/27/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Direction Distance

Elevation Site Database(s) EPA ID Number

### SHELL GAS STATION (Continued)

S108117590

**EDR ID Number** 

Action Date: 1/8/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 10/30/1997
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: LSP of Record Change via Minor Permit Mod

Action Date: 8/3/2006
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 8/17/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 8/8/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/10/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/21/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 7/12/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 8/28/2002
Response Action Outcome: Not reported

Release:

 Facility ID:
 2-0016348

 Primary ID:
 2-0000733

 Official City:
 WESTBOROUGH

 Notification:
 08/08/2006

 Category:
 72 HR

Current Status: Response Action Outcome Not Required

Status Date: 11/27/2006 Phase: Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

Direction Distance

Elevation Site Database(s) EPA ID Number

23 FORMER MOBIL STATION SHWS \$101697301
South MASSACHUSETTS TPKE 6AW LUST N/A
1/4-1/2 WESTBOROUGH, MA 01581 RELEASE

1/4-1/2 0.443 mi. 2338 ft.

Relative: SHWS:

Higher Facility ID: 2-0000401

Release Town: WESTBOROUGH
Actual: Notification Date: 10/15/1988

**292 ft.** Category: NONE Associated ID: 2-0000401

Current Status: Response Action Outcome

Status Date: 05/19/2011
Phase: PHASE V
Response Action Outcome: C2 - C2
Oil Or Haz Material: Oil

Location Type: COMMERCIAL Location Type: GASSTATION

Source Type: PIPE
Source Type: UST
Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: CHLORINATED SOLVENTS

Quantity: Not reported Chemical: GASOLINE Quantity: Not reported

Action:

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 7/19/2012
Response Action Outcome: C2

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 12/23/2005

Response Action Outcome: C2

Action Type: Compliance and Enforcement Action

Action Status: ACOP
Action Date: 8/29/2001
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 6/19/2006
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 7/11/2007 Response Action Outcome: C2

Action Type: Phase 2

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

FORMER MOBIL STATION (Continued)

Action Status: Completion Statement Received

Action Date: 12/5/2001 Response Action Outcome: C2

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 2/26/2004 Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 9/30/2009

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 4/16/2004 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 7/19/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 3/20/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 11/14/2001

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 12/29/2009

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 10/29/2009

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 5/19/2011 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/23/1994

Response Action Outcome: C2

Action Type: TREGS
Action Status: WAVREC
Action Date: 9/18/1992

**EDR ID Number** 

S101697301

Direction Distance

Elevation Site Database(s) EPA ID Number

### FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Response Action Outcome: C2

Action Type: Utility-related Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 1/8/2008 Response Action Outcome: C2

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 4/24/2007
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/23/2005

Response Action Outcome: C2

Action Type: Phase 4

Action Status: Completion Statement Received

Action Date: 8/16/2004 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 1/27/2012

Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 5/18/2012 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 8/11/2010

Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINI
Action Date: 5/19/2009
Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 1/27/2012
Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 7/27/2012
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 1/27/2012 Response Action Outcome: C2

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

### **FORMER MOBIL STATION (Continued)**

S101697301

**EDR ID Number** 

Release Abatement Measure Action Type: Status or Interim Report Received Action Status:

5/10/2002 Action Date: Response Action Outcome: C2

Action Type: Release Abatement Measure Action Status: Status or Interim Report Received

Action Date: 5/19/2009 Response Action Outcome: C2

Action Type: Release Abatement Measure Action Status: Level I - Technical Screen Audit

Action Date: 12/31/2008

Response Action Outcome:

Action Type: Partial RAO for this RTN Action Status: Level I - Technical Screen Audit

Action Date: 11/22/2005

Response Action Outcome: C2

Action Type: Release Disposition Action Status: Valid Transition Site 10/15/1988

Action Date:

Response Action Outcome: C2

Action Type: **RLFA** Action Status: **FLDRUN** Action Date: 5/29/1998

Response Action Outcome: C2

RLFA Action Type: Action Status: **FLDRUN** Action Date: 12/12/2005

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 5/1/2006 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/4/2007 Response Action Outcome: C2

Tier Classification Action Type:

Action Status: Permit Extension Received

Action Date: 8/28/2001 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 11/21/2008

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Direction
Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 2/8/2008 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 5/24/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 12/11/2008

Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 1/26/2011
Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 7/30/2010
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/29/2011
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/30/2007 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 12/11/2008

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 10/29/2003

Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Tier 1B Classification

Action Date: 11/23/1994

Response Action Outcome: C2

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM

Action Date: 9/7/2007 Response Action Outcome: C2

Action Type: Utility-related Abatement Measure

Action Status: Work Started
Action Date: 9/7/2007
Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

# FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 7/11/2012 Response Action Outcome: C2

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/22/1990

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/23/2007
Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 11/21/2008

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 11/23/2007
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 11/23/2007

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level II - Audit Inspection

Action Date: 12/23/2005

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 8/18/2005 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 12/29/2006

Response Action Outcome: C2

Action Type: Phase 3

Action Status: Written Plan Received

Action Date: 2/26/2004

Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 2/7/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**FORMER MOBIL STATION (Continued)** 

Action Date: 2/9/1998 Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 12/16/2009

Response Action Outcome: C2

Action Type: Release Abatement Measure Action Status: Written Plan Received

3/22/2001 Action Date: Response Action Outcome: C2

Action Type: Release Abatement Measure Action Status: Written Plan Received

Action Date: 9/22/1997

Response Action Outcome: C2

Action Type: Release Abatement Measure Action Status: Status or Interim Report Received

Action Date: 7/18/2001 Response Action Outcome: C2

Action Type: Release Abatement Measure Action Status: Level I - Technical Screen Audit

Action Date: 2/15/2008 Response Action Outcome: C2

Action Type: Release Abatement Measure Action Status: Level I - Technical Screen Audit

Action Date: 4/5/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure Level I - Technical Screen Audit Action Status:

Action Date: 7/6/2012 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Inspection and Monitoring Report Received Action Status:

Action Date: 11/18/2011

Response Action Outcome: C2

**RLFA** Action Type: Action Status: **FLDRUN** Action Date: 10/4/2002 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Legal Notice Published Action Date: 9/27/2001

Response Action Outcome:

Action Type: Tier Classification Action Status: Permit Effective Date

Action Date: 11/23/1994

Response Action Outcome: C2 **EDR ID Number** 

S101697301

Direction Distance

Elevation Site Database(s) EPA ID Number

### FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 9/27/2001 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 10/29/2003

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 12/7/2001 Response Action Outcome: C2

Action Type: Immediate Response Action Action Status: IRA Assessment Only

Action Date: 8/26/2005 Response Action Outcome: C2

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 8/26/2005 Response Action Outcome: C2

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 5/14/1990 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 11/23/2004

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRFIN
Action Date: 5/19/2009
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 5/23/2007

Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 11/18/2011

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 11/21/2002

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

Action Date: 1/26/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 2/2/2001 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/19/2000 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/22/2001 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/24/1999
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 11/12/1999

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 2/10/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 5/16/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 7/23/2004

Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDD1A
Action Date: 7/11/2012
Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/17/2007
Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 12/3/2008
Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 11/14/2002

Response Action Outcome: C2

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/6/2012
Response Action Outcome: C2

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 5/23/2005

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 5/23/2008
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 6/1/2009 Response Action Outcome: C2

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 7/1/2002 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 11/24/2010

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 9/25/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 6/27/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure

Level II - Audit Inspection

Action Status: RMRINT
Action Date: 12/29/2009
Response Action Outcome: C2

Action Status:

Action Type: Release Abatement Measure

Direction Distance Elevation

ation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 11/14/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/27/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 2/16/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 8/10/2010

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 8/15/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 8/31/2012 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 5/18/2012 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 11/18/2011
Response Action Outcome: C2

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 6/15/2011 Response Action Outcome: C2

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received

Action Date: 10/13/2005

Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRAN
Action Date: 5/24/2007
Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRUN
Action Date: 8/4/1998
Response Action Outcome: C2

Distance

Elevation Site Database(s) EPA ID Number

# FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received

Action Date: 12/14/2007

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 11/22/2006

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 6/7/2005 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 7/11/2008

Response Action Outcome: C2

Action Type: Phase 4

Action Status: Modified Revised or Updated Plan Received

Action Date: 2/26/2004 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 7/29/2011
Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 8/7/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 5/28/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 7/6/2004 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 4/2/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 1/30/2008 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Direction Distance Elevation

evation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 4/2/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 11/29/2002

Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Permit Extension Received

Action Date: 3/7/2000 Response Action Outcome: C2

Action Type: TREGS
Action Status: WAVDN
Action Date: 9/18/1992
Response Action Outcome: C2

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 5/12/2006
Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/23/2006
Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/23/2008
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 5/23/2006

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 5/19/2009

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Action Status or AUL Terminated

Action Date: 5/19/2009
Response Action Outcome: C2

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 9/25/2000 Response Action Outcome: C2

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 4/1/2002 Response Action Outcome: C2

Distance Flevation

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 1/6/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 2/1/1999 Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 7/29/2011
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 4/24/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 2/20/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/29/2008
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/30/2010 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 1/12/2010 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 5/27/2004 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 5/18/2012
Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 12/30/1998

Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Permit Effective Date

Direction Distance

Elevation Site Database(s) EPA ID Number

# FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 1/8/2009 Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 12/8/2003 Response Action Outcome: C2

LUST:

Facility:

Facility ID: 2-0000401

Current Status: Response Action Outcome

Status Date: 05/19/2011 Source Type: UST

Release Town: WESTBOROUGH
Notification Date: 10/15/1988
Category: NONE
Associated ID: 2-0000401
Phase: PHASE V
Response Action Outcome: C2 - C2
Oil Or Haz Material: Oil

Location Type: COMMERCIAL Location Type: GASSTATION

Source Type: PIPE
Source Type: UST
Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: CHLORINATED SOLVENTS

Quantity: Not reported Chemical: GASOLINE Quantity: Not reported

Action:

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 7/19/2012
Response Action Outcome: C2

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 12/23/2005

Response Action Outcome: C2

Action Type: Compliance and Enforcement Action

Action Status: ACOP
Action Date: 8/29/2001
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 6/19/2006 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 7/11/2007 Response Action Outcome: C2

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 12/5/2001 Response Action Outcome: C2

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 2/26/2004 Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 9/30/2009 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 4/16/2004 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 7/19/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 3/20/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 11/14/2001

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 12/29/2009

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 10/29/2009

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 5/19/2011 Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/23/1994

Response Action Outcome: C2

Action Type: TREGS
Action Status: WAVREC
Action Date: 9/18/1992
Response Action Outcome: C2

Action Type: Utility-related Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 1/8/2008 Response Action Outcome: C2

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 4/24/2007
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/23/2005

Response Action Outcome: C2

Action Type: Phase 4

Action Status: Completion Statement Received

Action Date: 8/16/2004

Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 1/27/2012 Response Action Outcome: C2

Action Type: PIF

Action Status: Public Comment Period Initiated on Submittal

Action Date: 5/18/2012

Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 8/11/2010

Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINI
Action Date: 5/19/2009
Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 1/27/2012
Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT

Direction Distance

Elevation Site Database(s) EPA ID Number

# FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 7/27/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 1/27/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/10/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/19/2009 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 12/31/2008

Response Action Outcome: C2

Action Type: Partial RAO for this RTN
Action Status: Level I - Technical Screen Audit

Action Date: 11/22/2005

Response Action Outcome: C2

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 10/15/1988

Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRUN
Action Date: 5/29/1998
Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRUN
Action Date: 12/12/2005

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 5/1/2006 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/4/2007 Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Permit Extension Received

Action Date: 8/28/2001 Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 11/21/2008

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 2/8/2008 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 5/24/2012

Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 12/11/2008

Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 1/26/2011
Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 7/30/2010
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/29/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/30/2007 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 12/11/2008

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 10/29/2003

Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Tier 1B Classification

Action Date: 11/23/1994 Response Action Outcome: C2

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 9/7/2007 Response Action Outcome: C2

Action Type: Utility-related Abatement Measure

Action Status: Work Started
Action Date: 9/7/2007
Response Action Outcome: C2

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 7/11/2012 Response Action Outcome: C2

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/22/1990

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/23/2007
Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 11/21/2008
Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 11/23/2007
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 11/23/2007

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level II - Audit Inspection

Action Date: 12/23/2005

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 8/18/2005

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 12/29/2006

Response Action Outcome: C2

Action Type: Phase 3

Action Status: Written Plan Received

Action Date: 2/26/2004 Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 2/7/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 2/9/1998 Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 12/16/2009

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 3/22/2001 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 9/22/1997 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/18/2001 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 2/15/2008 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 4/5/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 7/6/2012 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received

Action Date: 11/18/2011

Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRUN
Action Date: 10/4/2002
Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Legal Notice Published

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 9/27/2001 Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 11/23/1994

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 9/27/2001 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 10/29/2003

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 12/7/2001 Response Action Outcome: C2

Action Type: Immediate Response Action Action Status: IRA Assessment Only

Action Date: 8/26/2005 Response Action Outcome: C2

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 8/26/2005 Response Action Outcome: C2

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 5/14/1990

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 11/23/2004

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRFIN
Action Date: 5/19/2009
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 5/23/2007 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 11/18/2011

Response Action Outcome: C2

Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 11/21/2002

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 1/26/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 2/2/2001 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/19/2000

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/22/2001 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 5/24/1999
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 11/12/1999

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 2/10/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 5/16/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 7/23/2004 Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDD1A
Action Date: 7/11/2012
Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRAN

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 4/17/2007 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 12/3/2008 Response Action Outcome: C2

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 11/14/2002

Response Action Outcome: C2

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/6/2012
Response Action Outcome: C2

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 5/23/2005 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 5/23/2008 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 6/1/2009 Response Action Outcome: C2

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 7/1/2002 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 11/24/2010

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 9/25/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 6/27/2012

Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

FORMER MOBIL STATION (Continued)

Action Type: Release Abatement Measure

Action Status: RMRINT Action Date: 12/29/2009

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 11/14/2002

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/27/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 2/16/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 8/10/2010 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 8/15/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 8/31/2012 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 5/18/2012

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT Action Date: 11/18/2011

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 6/15/2011 Response Action Outcome: C2

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received

Action Date: 10/13/2005

Response Action Outcome: C2

Action Type: RLFA Action Status: FLDRAN

**EDR ID Number** 

S101697301

Direction Distance

Elevation Site Database(s) EPA ID Number

FORMER MOBIL STATION (Continued)

Action Date: 5/24/2007 Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDRUN
Action Date: 8/4/1998
Response Action Outcome: C2

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received

Action Date: 12/14/2007

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 11/22/2006

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 6/7/2005 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 7/11/2008 Response Action Outcome: C2

Action Type: Phase 4

Action Status: Modified Revised or Updated Plan Received

Action Date: 2/26/2004 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 7/29/2011 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 8/7/2012 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 5/28/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 7/6/2004 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 4/2/2007 Response Action Outcome: C2 **EDR ID Number** 

S101697301

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 1/30/2008 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 4/2/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 11/29/2002

Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 3/7/2000 Response Action Outcome: C2

Action Type: TREGS
Action Status: WAVDN
Action Date: 9/18/1992
Response Action Outcome: C2

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 5/12/2006

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/23/2006
Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/23/2008
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 5/23/2006

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 5/19/2009 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Action Status or AUL Terminated

Action Date: 5/19/2009 Response Action Outcome: C2

Action Type: Phase 2

Action Status: Scope of Work Received

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER MOBIL STATION (Continued)

S101697301

**EDR ID Number** 

Action Date: 9/25/2000 Response Action Outcome: C2

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 4/1/2002 Response Action Outcome: C2

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 1/6/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 2/1/1999 Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: RMRINT
Action Date: 7/29/2011
Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 4/24/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 2/20/2002 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/29/2008 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 7/30/2010 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 1/12/2010 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 5/27/2004 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 5/18/2012
Response Action Outcome: C2

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**FORMER MOBIL STATION (Continued)** 

S101697301

Action Type: Tier Classification

RTN Linked to TCLASS Via IRA Completion Statement Action Status:

12/30/1998 Action Date:

Response Action Outcome: C2

Action Type: Tier Classification Permit Effective Date Action Status:

Action Date: 1/8/2009 Response Action Outcome: C2

Action Type: Tier Classification Action Status: Permit Effective Date

Action Date: 12/8/2003 Response Action Outcome: C2

Release:

Facility ID: 2-0000401 Primary ID: 2-0000401 Official City: WESTBOROUGH Notification: 10/15/1988 Category: NONE

**Current Status:** Response Action Outcome

05/19/2011 Status Date: Phase: PHASE V Response Action Outcome: C2 - C2 Oil / Haz Material Type: Oil

24 **ROLL ON AMERICA** South **35 CHAUNCY ST** WESTBOROUGH, MA 01580 1/4-1/2

SHWS S100829985 **RELEASE** N/A

0.443 mi. 2339 ft.

SHWS: Relative: Lower

Facility ID: 2-0000157 Release Town: WESTBOROUGH

Actual: 01/15/1989 Notification Date: 281 ft. Category: NONE Associated ID: Not reported

> **Current Status: Pending No Further Action**

Status Date: 08/08/1995 Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Not reported Location Type: Not reported Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

UNKNOWN Chemical: Quantity: Not reported

Action:

Action Type: **TREGS** 

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ROLL ON AMERICA (Continued)** 

S100829985

S105199078

N/A

SHWS

**RELEASE** 

Action Status: **PENNFA** Action Date: 8/8/1995 Response Action Outcome: Not reported

Release Disposition Action Type: Action Status: Valid Transition Site

Action Date: 1/15/1989 Response Action Outcome: Not reported

Release:

Facility ID: 2-0000157 Primary ID: Not reported Official City: WESTBOROUGH Notification: 01/15/1989 NONE Category:

Current Status: Pending No Further Action

Status Date: 08/08/1995 Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Not reported

**FIBA TECHNOLOGIES** F25 SSE 97 TURNPIKE RD 1/4-1/2 WESTBOROUGH, MA 01581

0.463 mi.

2446 ft. Site 1 of 2 in cluster F SHWS:

Relative:

Higher

Facility ID: 2-0013978 Release Town: WESTBOROUGH

Actual: 307 ft.

Notification Date: 09/06/2001 Category: TWO HR Associated ID: 2-0013978

**Current Status: Response Action Outcome** 

Status Date: 06/26/2009 Phase: Not reported Response Action Outcome: C2 - C2 Oil Or Haz Material: Not reported Location Type: COMMERCIAL Source Type: **DRUMS** Source Type: **UNKNOWN** 

Click here to access the MA DEP site for this facility:

Chemical:

PAINT SLUDGE Chemical: Quantity: 55 gallons

Action:

Action Type: BWS20 Action Status: **APPROV** Action Date: Not reported

Response Action Outcome: C2

Action Type: Phase 1

Direction Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Status: Completion Statement Received

Action Date: 9/13/2002 Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 6/19/2007
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 1/15/2008 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 10/27/2011

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 6/29/2012
Response Action Outcome: C2

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 6/17/2010 Response Action Outcome: C2

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/6/2001 Response Action Outcome: C2

Action Type: RLFA
Action Status: FLDD1A
Action Date: 8/4/2011
Response Action Outcome: C2

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported

Response Action Outcome: C2

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/11/2001

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 1/2/200
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 8/7/2007

Direction Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Response Action Outcome: C2

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 11/30/2005

Response Action Outcome: C2

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 7/27/2011

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 12/22/2010

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 9/8/2009 Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 1/2/2009
Response Action Outcome: C2

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 1/9/2006 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 8/31/2011 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 11/8/2011

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 6/14/2010

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 6/14/2010
Response Action Outcome: C2

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/21/2005

Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 11/30/2007

Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 9/13/2002 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Level I - Technical Screen Audit

Action Date: 9/24/2004

Response Action Outcome: C2

Action Type: An activity type that is related to an Audit Action Status: Notice of Non-compliance related to an Audit

Action Date: 3/20/2006

Response Action Outcome: C2

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/17/2011 Response Action Outcome: C2

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 6/16/2005

Response Action Outcome: C2

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 3/16/2005

Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINI
Action Date: 12/28/2006

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 6/19/2007 Response Action Outcome: C2

Action Type: Phase 5
Action Status: Work Started
Action Date: 12/28/2006

Response Action Outcome: C2

Action Type: Phase 4

Action Status: Level I - Technical Screen Audit

Action Date: 1/18/2007 Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Written Plan Received

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## FIBA TECHNOLOGIES (Continued)

S105199078

Action Date: 6/28/2011 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO Action Status: **RAO Statement Received** 

Action Date: 6/26/2009 Response Action Outcome: C2

Action Type: RLFA Action Status: **FLDRUN** Action Date: 3/1/2006 Response Action Outcome: C2

Action Type: **RNF** 

Action Status: Reportable Release under MGL 21E

Action Date: 10/18/2001

Response Action Outcome: C2

Action Type: An activity type that is related to an Audit

NAFNVD Action Status: Action Date: 8/31/2011 Response Action Outcome: C2

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: **ALSENT** Action Date: 7/25/2002 Response Action Outcome: C2

Action Type: Phase 5 Action Status: **RMRINI** Action Date: 5/5/2008 Response Action Outcome: C2

Action Type: Phase 5 **RMRINT** Action Status: Action Date: 8/7/2007 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 12/7/2007 Response Action Outcome: C2

Action Type: Phase 4

Action Status: Modified Revised or Updated Plan Received

Action Date: 5/5/2008 Response Action Outcome: C2

Action Type: Phase 3

Action Status: Delay in Meeting RA Deadline Ordered or Approved

Action Date: 6/16/2005 Response Action Outcome: C2

Action Type: Phase 3

Action Status: Revised Statement or Transmittal Received

Action Date: 5/5/2008 Response Action Outcome: C2

Direction Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 6/28/2011

Response Action Outcome: C2

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/20/2005
Response Action Outcome: C2

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 12/7/2007 Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 1/9/2003 Response Action Outcome: C2

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 4/17/2002 Response Action Outcome: C2

Action Type: Phase 1

Action Status: Level I - Technical Screen Audit

Action Date: 9/24/2004 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 12/28/2006

Response Action Outcome: C2

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 8/7/2007 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Action Status or AUL Terminated

Action Date: 6/19/2007 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 6/29/2012 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 12/22/2010
Response Action Outcome: C2

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Direction Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Date: 9/13/2002 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 9/13/2002 Response Action Outcome: C2

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 2/7/2002 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 6/5/2008 Response Action Outcome: C2

Action Type: Phase 4

Action Status: Level II - Audit Inspection

Action Date: 3/20/2006
Response Action Outcome: C2

Action Type: Phase 3

Action Status: Written Plan Received

Action Date: 11/30/2005

Response Action Outcome: C2

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 8/11/2011 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 12/15/2009

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 2/17/2010 Response Action Outcome: C2

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 9/18/2002 Response Action Outcome: C2

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received

Action Date: 4/10/2006 Response Action Outcome: C2

Action Type: BOL
Action Status: SHPFAC
Action Date: 9/26/2011
Response Action Outcome: C2

Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 9/6/2001 Response Action Outcome: C2

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 11/2/2001 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Completion Statement Received

Action Date: 6/26/2009
Response Action Outcome: C2

Action Type: Phase 5
Action Status: RMRINT
Action Date: 12/7/2007
Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 2/5/2009 Response Action Outcome: C2

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 6/17/2008
Response Action Outcome: C2

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 1/18/2005

Response Action Outcome: C2

Action Type: Phase 4

Action Status: Completion Statement Received

Action Date: 12/28/2006

Response Action Outcome: C2

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 11/30/2005

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 12/27/2011

Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 6/28/2011
Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT

Direction Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Date: 12/15/2009 Response Action Outcome: C2

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 12/27/2011
Response Action Outcome: C2

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 1/5/2008 Response Action Outcome: C2

Facility ID: 2-0014053
Release Town: WESTBOROUGH
Notification Date: 10/18/2001
Category: 120 DY
Associated ID: 2-0013978

Current Status: Response Action Outcome Not Required

Status Date: 09/13/2002 Phase: PHASE II

Response Action Outcome:

Oil Or Haz Material: Oil and Hazardous Material

Location Type: Not reported Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: TRICHLOROETHYLENE
Quantity: 16 parts per billion

Chemical: 1-PROPENE, 1,3-DICHLORO-

Quantity:3.3 parts per billionChemical:2-PROPANONEQuantity:31 parts per million

Chemical: PROPANE, 1,2-DICHOLROQuantity: 7.3 parts per billion
Chemical: ETHENE, CHLOROQuantity: 2.5 parts per billion

Chemical: AROMATIC HYDROCARBONS C11 THRU C22

Quantity: 1.16 parts per million

Action:

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 9/13/2002 Response Action Outcome: 9/13/2002 Not reported

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 9/18/2002
Response Action Outcome: Not reported

Action Type: Phase 1

Action Status: Level I - Technical Screen Audit

Direction Distance

Elevation Site Database(s) EPA ID Number

## FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Date: 9/24/2004
Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/18/2001
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 9/13/2002
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Level I - Technical Screen Audit

Action Date: 9/24/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only

Action Date: 11/7/2001 Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/18/2001
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit

Action Date: 3/20/2006
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 9/13/2002
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 11/28/2001
Response Action Outcome: Not reported

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 9/13/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 1/5/2008
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received

Action Date: 4/10/2006
Response Action Outcome: Not reported

Direction
Distance

Elevation Site Database(s) EPA ID Number

#### FIBA TECHNOLOGIES (Continued)

S105199078

**EDR ID Number** 

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT
Action Date: 8/30/2002
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 11/2/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 1/9/2003
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 4/17/2002
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 11/30/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 9/13/2002 Response Action Outcome: Not reported

Release:

 Facility ID:
 2-0013978

 Primary ID:
 2-0013978

 Official City:
 WESTBOROUGH

 Notification:
 09/06/2001

 Category:
 TWO HR

Current Status: Response Action Outcome

Status Date: 06/26/2009
Phase: Not reported
Response Action Outcome: C2 - C2
Oil / Haz Material Type: Not reported

 Facility ID:
 2-0014053

 Primary ID:
 2-0013978

 Official City:
 WESTBOROUGH

 Notification:
 10/18/2001

 Category:
 120 DY

Current Status: Response Action Outcome Not Required

Status Date: 09/13/2002 Phase: PHASE II

Response Action Outcome: -

Oil / Haz Material Type: Oil and Hazardous Material

Direction Distance

Distance EDR ID Number

Elevation Site EDA ID Number

 F26
 FIBA TECH INC
 CERCLIS
 1000344217

 SSE
 97 TURNPIKE RD
 RCRA-NonGen
 MAD001767748

1/4-1/2 WESTBOROUGH, MA 01581

0.463 mi.

2446 ft. Site 2 of 2 in cluster F

Relative: CERCLIS:

 Higher
 Site ID:
 0100452

 EPA ID:
 MAD001767748

 Actual:
 Facility County:
 WORCESTER

307 ft. Short Name: MASS OXYGEN EQUIPMENT CO

Congressional District: 03

IFMS ID: Not reported SMSA Number: 9240 USGC Hydro Unit: 01070005

Federal Facility: Not a Federal Facility

DMNSN Number: Not reported

Site Orphan Flag: N

RCRA ID: Not reported USGS Quadrangle: Not reported Site Init By Prog: Not reported NFRAP Flag: Not reported Parent ID: Not reported RST Code: Not reported EPA Region: 01

Classification:
Site Settings Code:
Not reported
NPL Status:
Not on the NPL
DMNSN Unit Code:
RBRAC Code:
Not reported

Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

Non NPL Status Date: 20000818
Site Fips Code: 25027
CC Concurrence Date: Not reported
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

 Contact ID:
 1270187.00000

 Contact Name:
 Nancy Smith

 Contact Tel:
 (617) 918-1436

Contact Title: Site Assessment Manager (SAM)

Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101

Alias Name: FIBA TECHNOLOGIES
Alias Address: 97 TURNPIKE ROAD
WESTBORO, MA

Alias ID: 101

Alias Comments: MA DEP RTN: 2-00014053 AND 2-0113978

Site Description: The MA DEP has recommended that this site be assigned a state lead status. A

site-specific letter of recommendation will be forwarded to EPA later this

year. The MA DEP has recommended that this site be assigned a state lead status.

A site-specific letter of recommendation will be forwarded to EPA later this

year.

**FINDS** 

Direction Distance Elevation

vation Site Database(s) EPA ID Number

#### FIBA TECH INC (Continued)

1000344217

**EDR ID Number** 

#### **CERCLIS Assessment History:**

Action Code: 001

Action: DISCOVERY
Date Started: Not reported
Date Completed: 12/01/1983
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: EPA Fund-Financed

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

Action Code: 001

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported
Date Completed: 03/05/1986

Priority Level: Higher priority for further assessment

Operable Unit: SITEWIDE

Primary Responsibility: State, Fund Financed

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

Action Code: 001

Action: SITE INSPECTION

Date Started: 08/15/1990
Date Completed: 06/21/1991

Priority Level: Higher priority for further assessment

Operable Unit: SITEWIDE

Primary Responsibility: EPA Fund-Financed Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

#### RCRA-NonGen:

Date form received by agency: 12/22/2005

Facility name: FIBA TECHNOLOGIES INC

Facility address: 97 TURNPIKE RD

WESTBOROUGH, MA 01581

EPA ID: MAD001767748
Contact: WILLIAM O BRIEN
Contact address: 97 TURNPIKE RD

WESTBORO, MA 015810000

Contact country: US

Contact telephone: (508) 887-7100

Contact email: BILLOBRIEN@FIBATECH.COM

EPA Region: 01
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

#### FIBA TECH INC (Continued) 1000344217

Owner/Operator Summary:

FIBA TECHNOLOGIES INC Owner/operator name:

Owner/operator address: 97 TURNPIKE RD

WESTBORO, MA 01581

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 06/06/1960 Owner/Op end date: Not reported

FINN NOMINEE TRUST Owner/operator name: 97 TURNPIKE RD Owner/operator address:

WESTBORO, MA 01581

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 10/01/1994 Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

#### **Historical Generators:**

Date form received by agency: 02/22/2002

Facility name: FIBA TECHNOLOGIES INC Classification: Small Quantity Generator

Date form received by agency: 08/03/1983

FIBA TECHNOLOGIES INC Facility name:

Classification: Conditionally Exempt Small Quantity Generator

# Facility Has Received Notices of Violations:

Regulation violated: SR - 340(1j,k) Area of violation: Generators - General

Date violation determined: 10/19/2001 Date achieved compliance: 07/17/2002 Violation lead agency: State

FINAL 3008(A) COMPLIANCE ORDER Enforcement action:

Enforcement action date: 07/17/2002 **EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

#### FIBA TECH INC (Continued)

1000344217

**EDR ID Number** 

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: 0
Final penalty amount: 8900
Paid penalty amount: 8900

Regulation violated: SR - 682

Area of violation: Generators - Pre-transport

Date violation determined: 10/19/2001
Date achieved compliance: 07/17/2002
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/17/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 8900
Paid penalty amount: 8900

Regulation violated: SR - 303(3b)
Area of violation: Generators - General

Date violation determined: 10/19/2001
Date achieved compliance: 02/22/2002

Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/17/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 8900
Paid penalty amount: 8900

Regulation violated: SR - 685(1)

Area of violation: Generators - Pre-transport

Date violation determined: 10/19/2001
Date achieved compliance: 07/17/2002
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/17/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 8900
Paid penalty amount: 8900

Regulation violated: SR - 221(1)
Area of violation: Listing - General
Date violation determined: 10/19/2001
Date achieved compliance: 05/13/2003
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/17/2002
Enf. disposition status: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

### FIBA TECH INC (Continued)

1000344217

**EDR ID Number** 

Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 8900
Paid penalty amount: 8900

Regulation violated: SR - 340(1f)

Area of violation: Generators - Pre-transport

Date violation determined: 10/19/2001 Date achieved compliance: 07/17/2002 Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 07/17/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 8900
Paid penalty amount: 8900

**Evaluation Action Summary:** 

Evaluation date: 05/13/2003

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/17/2002

Evaluation: NOT A SIGNIFICANT NON-COMPLIER

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/16/2002

Evaluation: SIGNIFICANT NON-COMPLIER

Area of violation:

Date achieved compliance:
Evaluation lead agency:

Not reported
State

Evaluation date: 10/19/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Listing - General Date achieved compliance: 05/13/2003 Evaluation lead agency: State

Evaluation date: 10/19/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 07/17/2002 Evaluation lead agency: State

Evaluation date: 10/19/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 07/17/2002
Evaluation lead agency: State

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

FIBA TECH INC (Continued)

1000344217

Evaluation date: 10/19/2001

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - General

Date achieved compliance: 02/22/2002 Evaluation lead agency: State

FINDS:

Registry ID: 110003422243

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

**G27** S100829980 **DOERING EQUIPMENT CO** SHWS SE 176 EAST MAIN ST **RELEASE** N/A

1/4-1/2 WESTBOROUGH, MA 01580

0.493 mi

2601 ft. Site 1 of 3 in cluster G

SHWS: Relative:

Facility ID: 2-0000152 Higher Release Town: WESTBOROUGH Actual: Notification Date: 01/15/1987 313 ft. Category: NONE

Associated ID: Not reported **Current Status:** No Further Action (DEP Determined)

Status Date: 09/02/1993

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**DOERING EQUIPMENT CO (Continued)** 

S100829980

Phase: Not reported

Response Action Outcome: Oil Or Haz Material: Oil

Location Type: COMMERCIAL Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: WASTE OIL Quantity: Not reported

Action:

Action Type: **TREGS** Action Status: **DEPNFA** Action Date: 9/2/1993 Response Action Outcome: Not reported

Action Type: **TREGS** Action Status: **REMSIT** Action Date: 7/23/1993 Response Action Outcome: Not reported

Action Type: Release Disposition Valid Transition Site Action Status:

Action Date: 1/15/1987 Response Action Outcome: Not reported

Release:

Facility ID: 2-0000152 Primary ID: Not reported Official City: WESTBOROUGH Notification: 01/15/1987

NONE Category:

**DEP No Further Action Current Status:** 

Status Date: 09/02/1993 Phase: Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

**CERC-NFRAP** 

G28 **DOERING EQUIPMENT** 176 EAST MAIN ST. SE

WESTBOROUGH, MA 01581

1/4-1/2 0.493 mi.

2601 ft. Site 2 of 3 in cluster G

CERC-NFRAP: Relative:

Higher Site ID: 0100571

Federal Facility: Not a Federal Facility Actual: NPL Status: Not on the NPL

313 ft. Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 1334927.00000 Person ID: 1270187.00000 1003862282

MAD075344218

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **DOERING EQUIPMENT (Continued)**

1003862282

**CERCLIS-NFRAP Assessment History:** 

DISCOVERY Action: Date Started: Not reported Date Completed: 04/11/1985 Priority Level: Not reported

ARCHIVE SITE Action: Date Started: Not reported Date Completed: 09/30/1987 Priority Level: Not reported

PRELIMINARY ASSESSMENT Action:

Date Started: Not reported Date Completed: 09/30/1987

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

S105199027 29 **MOBIL STATION** SHWS South **42 LYMAN ST** RELEASE N/A

1/4-1/2 WESTBOROUGH, MA 01580

0.500 mi. 2640 ft.

SHWS: Relative:

Facility ID: 2-0000885 Higher Release Town: WESTBOROUGH Actual: Notification Date: 04/15/1992

291 ft. Category: NONE Associated ID: 2-0000885

**Current Status: Response Action Outcome** 

10/20/2006 Status Date: Phase: Not reported Response Action Outcome: C1 - C1 Oil Or Haz Material: Not reported **GASSTATION** Location Type: Not reported Source Type:

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **UNKNOWN** Quantity: Not reported

Action:

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/6/2000 Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 5/8/2002 Response Action Outcome: C1

Action Type:

Action Status: Inspection and Monitoring Report Received

Action Date: 5/14/2004

Direction
Distance

Elevation Site Database(s) EPA ID Number

MOBIL STATION (Continued) S105199027

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 5/21/2003 Response Action Outcome: C1

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 12/2/2005

Response Action Outcome: C1

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 1/4/1999 Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 4/19/2007

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: RMRINT Action Date: 10/20/2009

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 6/30/2009 Response Action Outcome: C1

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 2/20/1992

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/14/2003

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/15/2004

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 5/19/2006
Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 1/3/2006 Response Action Outcome: C1 **EDR ID Number** 

Direction Distance Flevation

Elevation Site Database(s) EPA ID Number

MOBIL STATION (Continued)

S105199027

**EDR ID Number** 

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 4/18/2008

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 4/20/2010

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 10/20/2009

Response Action Outcome: C1

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 2/20/1992

Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/12/1999

Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 5/8/2002
Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 7/14/2005

Response Action Outcome: C1

Action Type: TREGS
Action Status: WAVSIG
Action Date: 3/22/1994
Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/15/2005

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 11/17/2006

Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 3/27/2006
Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

MAP FINDINGS Map ID

Direction Distance Elevation

**EDR ID Number** Site Database(s) **EPA ID Number** 

**MOBIL STATION (Continued)** 

S105199027

Action Date: 4/24/2012

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: **RMRINT** Action Date: 4/19/2007 Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: **RMRINT** 10/21/2008 Action Date:

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

**RMRINT** Action Status: Action Date: 10/26/2011

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO Level I - Technical Screen Audit Action Status:

Action Date: 11/2/2011 Response Action Outcome: C1

Action Type: Tier Classification Action Status: Tier 2 Extension Action Date: 2/11/2000

Response Action Outcome: C1

Action Type: Tier Classification Action Status: Tier 2 Extension Action Date: 5/24/2002 Response Action Outcome: C1

Action Type: Release Abatement Measure Action Status: Status or Interim Report Received

Action Date: 12/6/2005 Response Action Outcome:

Action Type: Release Abatement Measure Level I - Technical Screen Audit Action Status:

8/12/2005 Action Date:

Response Action Outcome:

Response Action Outcome - RAO Action Type: Action Status: **RAO Statement Received** 

Action Date: 10/20/2006

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: **RMRINT** Action Date: 4/24/2012 Response Action Outcome:

Action Type: Response Action Outcome - RAO Level I - Technical Screen Audit Action Status:

Action Date: 5/9/2008 Response Action Outcome: C1

Distance

Elevation Site Database(s) EPA ID Number

MOBIL STATION (Continued)

Action Type:

Phase 5

Action Status: Completion Statement Received

Action Date: 10/20/2006

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 5/9/2003 Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 5/13/2005

Response Action Outcome: C

Action Type: Phase 4

Action Status: As-Built Construction Report Received

Action Date: 11/15/2001

Response Action Outcome: C1

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 1/3/2000 Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 11/21/2011

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: RMRINT Action Date: 10/19/2007

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 11/9/2006

Response Action Outcome: C1

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 2/11/2000

Response Action Outcome: C1

Action Type: TREGS
Action Status: WAVREC
Action Date: 7/30/1993

Response Action Outcome: C1

Action Type: Compliance and Enforcement Action

Action Status: ACO
Action Date: 10/12/2000

Response Action Outcome: C1

Action Type: Phase 5
Action Status: RMRINI

**EDR ID Number** 

S105199027

Distance

Elevation Site Database(s) EPA ID Number

MOBIL STATION (Continued)

S105199027

**EDR ID Number** 

Action Date: 5/15/2006
Response Action Outcome: C1

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 11/6/1998

Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 3/9/2001 Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 4/19/2006

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 10/21/2008

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 10/25/2010

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 11/18/2008

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 12/10/2009

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/15/2002

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 11/15/2002

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 5/15/2006

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 10/19/2007

Response Action Outcome: C1

Distance
Elevation Site

evation Site Database(s) EPA ID Number

MOBIL STATION (Continued)

S105199027

**EDR ID Number** 

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 10/26/2011

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 4/20/2009
Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 4/20/2010
Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 5/6/2010 Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 11/9/2010 Response Action Outcome: C1

Action Type: Tier Classification

Action Status: Permit or Tier 2 Extension Denied

Action Date: 3/10/2000 Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 4/14/1999

Response Action Outcome: C1

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 11/15/2001

Response Action Outcome: C1

Action Type: Phase 4

Action Status: Completion Statement Received

Action Date: 11/15/2001

Response Action Outcome: C1

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 5/15/2001 Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 8/8/2005 Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Distance

Elevation Site Database(s) EPA ID Number

MOBIL STATION (Continued) S105199027

Action Date: 4/20/2009

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 4/18/2008
Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: RMRINT Action Date: 10/25/2010

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: RMRINT
Action Date: 11/21/2011

Response Action Outcome: C1

Action Type: Response Action Outcome - RAO

Action Status: Periodic Review Opinion Evaluating Temp Solution

Action Date: 10/26/2011

Response Action Outcome: C1

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 4/14/1994

Response Action Outcome: C1

Action Type: TREGS
Action Status: WAVACC
Action Date: 4/14/1994
Response Action Outcome: C1

Facility ID: 2-0012762
Release Town: WESTBOROUGH
Notification Date: 04/23/1999
Category: 120 DY
Associated ID: 2-0000885

Current Status: Tier 1C, a site/release receiving a total NRS score of less than 450

and equal to or greater than 350. A site/release receiving a total NRS score of less than 350, but which also meets any of the Tier 1 Inclusionary Criteria specified in 310 CMR 40.0520(2)(a), is also classified a Tier 1C. These sites/releases require a permit and the response actions may be performed under the supervision of a Licensed Site Professional(LSP) without prior DEP approval, unless such an

approval is specifically required by DEP.

Status Date: 07/14/2005 Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Oil and Hazardous Material

Location Type: COMMERCIAL Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **MOBIL STATION (Continued)**

S105199027

**EDR ID Number** 

Chemical:

Chemical: BENZENE

Quantity: 3830 micrograms per liter Chemical: TOTAL XYLENES

Quantity: 268400 micrograms per liter

Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS

Quantity: 16700 micrograms per liter
Chemical: METHYL TERT-BUTYL ETHER

Quantity: 281 parts per million

Chemical: TOLUENE

Quantity: 8100 micrograms per liter

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS

Quantity: 21900 micrograms per liter

Action:

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 2/11/2000
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action

Action Status: ACO

Action Date: 10/12/2000
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 4/14/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/5/1999
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/23/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/12/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 5/8/2002
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/7/1999
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: IRA Assessment Only

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

#### **MOBIL STATION (Continued)**

S105199027

**EDR ID Number** 

Action Date: 4/23/1999 Not reported Response Action Outcome:

Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 6/22/1999 Not reported Response Action Outcome:

Action Type: Tier Classification Action Status: Tier 2 Extension Action Date: 5/24/2002 Response Action Outcome: Not reported

Action Type: Tier Classification Tier 2 Classification Action Status:

4/14/1999 Action Date: Response Action Outcome: Not reported

Action Type: Release Disposition

Reportable Release under MGL 21E Action Status:

4/23/1999 Action Date: Response Action Outcome: Not reported

Action Type: Release Disposition

Release Notification Retraction Action Status:

6/22/1999 Action Date: Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 2/11/2000 Response Action Outcome: Not reported

Action Type: Tier Classification Tier 2 Extension Action Status: Action Date: 2/11/2000 Response Action Outcome: Not reported

Action Type: Tier Classification

Permit or Tier 2 Extension Denied Action Status:

Action Date: 3/10/2000

Response Action Outcome: Not reported

Tier Classification Action Type: Action Status: Tier 1C Classification

Action Date: 7/14/2005 Response Action Outcome: Not reported

Release:

Facility ID: 2-0000885 Primary ID: 2-0000885 Official City: WESTBOROUGH Notification: 04/15/1992 NONE Category:

**Current Status:** Response Action Outcome

Status Date: 10/20/2006

Direction Distance

Elevation Site Database(s) EPA ID Number

MOBIL STATION (Continued) S105199027

Phase: Not reported Response Action Outcome: C1 - C1
Oil / Haz Material Type: Not reported

Facility ID: 2-0012762 Primary ID: 2-0000885 WESTBOROUGH Official City: Notification: 04/23/1999 120 DY Category: **Current Status:** TIER1C Status Date: 07/14/2005 Phase: Not reported

Response Action Outcome: -

Oil / Haz Material Type: Oil and Hazardous Material

330 TRANSFORMER RELEASE SHWS S109489905

G30 TRANSFORMER RELEASE
SE 95A TURNPIKE RD
1/2-1 WESTBOROUGH, MA

0.565 mi.

2983 ft. Site 3 of 3 in cluster G

Relative SHWS:

Relative: SHWS:
Higher Facility ID: 2-0017247

Release Town: WESTBOROUGH
Actual: Notification Date: 09/13/2008
341 ft. Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 01/08/2009
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material:

Location Type:

STATE

Location Type:

ROADWAY

Source Type:

TRANSFORM

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: MODF
Quantity: 45 gallons

Action:

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 11/17/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 1/8/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO

**EDR ID Number** 

**RELEASE** 

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

### TRANSFORMER RELEASE (Continued)

S109489905

**EDR ID Number** 

Action Status: Level I - Technical Screen Audit

Action Date: 3/24/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 11/12/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 9/13/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/15/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/13/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/12/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0017247
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 09/13/2008
Category: TWO HR

Current Status: Response Action Outcome

Status Date: 01/08/2009
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

31 EXXON STATION SHWS S101035124
South 150 TURNPIKE RD. RELEASE N/A

1/2-1 WESTBOROUGH, MA 01581

0.569 mi. 3004 ft.

Relative: SHWS:

HigherFacility ID:2-0010786Release Town:WESTBOR

Associated ID:

Release Town: WESTBOROUGH
Actual: Notification Date: 05/18/1995
292 ft. Category: 120 DY

Current Status: Response Action Outcome

Not reported

Status Date: 02/02/1996
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil

Location Type: Not reported Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: PETROLEUM

Quantity: 14000 milligrams per kilogram

Action:

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 2/2/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 5/18/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit

Action Status: NOA
Action Date: 10/3/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 5/18/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 6/21/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

**EDR ID Number** 

**SPILLS** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**EXXON STATION (Continued)** 

S101035124

Action Type: An activity type that is related to an Audit

NAFNVD Action Status: Action Date: 11/29/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Fee Received - FMCRA Use Only

Action Date: 5/22/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 5/18/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Written Approval of Plan

6/8/1995 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Completion Statement Received

Action Date: 10/25/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO Action Status: Fee Received - FMCRA Use Only

Action Date: 2/1/1996

A permanent solution has been achieved. Contamination has not been Response Action Outcome:

reduced to background.

Release:

Facility ID: 2-0010786 Primary ID: Not reported Official City: WESTBOROUGH Notification: 05/18/1995 Category: 120 DY

**Current Status:** Response Action Outcome

Status Date: 02/02/1996 Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

MA Spills:

C90-0523 Facility ID: 0000 Spill ID: Staff Lead: COOPERMAN, S Date Entered: Not reported 19900820 Last Entered: 19900824 First Response: Spill Date: 19900627 Spill Time: Not reported Report Date: 19900820 Report Time: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

Mat Type:

Contam Soil:

Other Impact:

Qty Actual:

Qty Actual:

Other Material:

PCB Lev (ppm):

Other Source:

Other Incdnt:

Contractor:

LUST Elig:

Category:

**PETROLEUM** 

Not reported

Not reported

Not reported UNKNOWN

Not reported

Not reported

NOT USED

Not reported

LUST

**RELEASE** 

NONE

EXXON STATION (Continued)

S101035124

S101504937

N/A

Case Closed: YES VIRGIN Virgin Waste: Env Impact: SOIL Material: **GASOLINE** Qty Reported: **UNKNOWN** Qty Reported: CAS No: Not reported Source: U.S.T. Incident: **LEAK** Cleanup Type:

Referral: NO Report Prep: Not reported

Notifier: JOHN DELL'ORO Notif Tel: Not reported

Days/Close: 115

\_\_\_\_

32 KING INSTRUMENT CORP SE 78-82 TURNPIKE RD 1/2-1 WESTBOROUGH, MA 01580

0.576 mi. 3041 ft.

Relative: LUST: Higher Facility:

Actual: Facility ID: 2-0000913
Current Status: Waiver Completion Statement, Permanent

345 ft. Current Status: Waiver Con Status Date: 06/18/1993

Source Type: UST

Release Town: WESTBOROUGH
Notification Date: 06/16/1992
Category: NONE
Associated ID: Not reported
Phase: Not reported

Response Action Outcome: Oil Or Haz Material: Oil

Location Type: INDUSTRIAL

Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: PETROLEUM Quantity: Not reported

Action:

Action Type: TREGS
Action Status: WAVACC
Action Date: 7/13/1992
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 6/16/1992
Response Action Outcome: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

# KING INSTRUMENT CORP (Continued)

S101504937

**EDR ID Number** 

Action Type: **TREGS** WAVREC Action Status: Action Date: 4/28/1992 Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit

Action Status: NOA Action Date: 6/15/1994 Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

6/16/1992 Action Date: Response Action Outcome: Not reported

Action Type: **TREGS** Action Status: **WAVSIG** Action Date: 6/16/1992 Response Action Outcome: Not reported

Action Type: **TREGS** WCSPRM Action Status: Action Date: 6/18/1993 Response Action Outcome: Not reported

Release:

Facility ID: 2-0000913 Primary ID: Not reported WESTBOROUGH Official City: Notification: 06/16/1992 Category: NONE

**Current Status:** Waiver Completion Statement, Permanent

Status Date: 06/18/1993 Phase: Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

**MALDONADO RESIDENCE** 

SSE 15 SHEPHERD ST 1/2-1 WESTBOROUGH, MA 01581 **RELEASE** N/A

LAST

S108117365

0.615 mi. 3246 ft.

33

LAST: Relative:

Facility ID: 2-0016357 Higher Source Type: AST

Actual: Release Town: WESTBOROUGH 288 ft. 08/16/2006 Notification Date:

Category: 72 HR Associated ID: 2-0015782

**Response Action Outcome Not Required Current Status:** 

Status Date: 09/29/2006 Phase: Not reported

Response Action Outcome: Oil Oil Or Haz Material:

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **MALDONADO RESIDENCE (Continued)**

S108117365

**EDR ID Number** 

Chemical:

Chemical: FUEL OIL #2
Quantity: Not reported
Location Type: RESIDNTIAL

Source Type: AST

Action:

Action Type: Immediate Response Action Action Status: IRA Assessment Only

Action Date: 8/16/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/17/2006
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 9/29/2006
Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 9/21/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 8/17/2006

Action Date: 8/17/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 9/21/2006
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 8/22/2006
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 9/29/2006
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/16/2006
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/17/2006
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

MALDONADO RESIDENCE (Continued)

S108117365

**EDR ID Number** 

Facility ID: 2-0015782 Source Type: AST

Release Town: WESTBOROUGH
Notification Date: 06/11/2005
Category: TWO HR
Associated ID: 2-0015782

Current Status: Response Action Outcome

Status Date: 11/04/2010 Phase: PHASE IV

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil

Chemical:

Chemical: FUEL OIL
Quantity: 200 gallons
Location Type: RESIDNTIAL
Source Type: AST

Action:

Action Type: Immediate Response Action
Action Status: Written Approval of Plan

Action Date: 9/6/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: Modified Revised or Updated Plan Received

Action Date: 4/2/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 10/5/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 4/6/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 7/14/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 1

Action Status: Level I - Technical Screen Audit

Action Date: 8/21/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Direction Distance

Elevation Site Database(s) EPA ID Number

# MALDONADO RESIDENCE (Continued)

S108117365

**EDR ID Number** 

Action Date: 8/17/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 8/17/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: Modified Revised or Updated Plan Received

Action Date: 11/20/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: RMRINT Action Date: 4/2/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 4/2/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 10/9/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 5/9/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 9/29/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/17/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 12/16/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance Elevation

Elevation Site Database(s) EPA ID Number

# MALDONADO RESIDENCE (Continued)

S108117365

**EDR ID Number** 

Action Type: Phase 2

Action Status: Level I - Technical Screen Audit

Action Date: 9/5/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/6/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: RMRINT Action Date: 4/6/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/17/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 6/11/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/9/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 9/29/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 11/4/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: RMRFIN Action Date: 11/4/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: RMRINI
Action Date: 10/5/2007

Direction Distance

Elevation Site Database(s) EPA ID Number

# MALDONADO RESIDENCE (Continued)

S108117365

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 3/20/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 10/5/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 8/17/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 8/25/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 2/10/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/17/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 6/11/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: Modified Revised or Updated Plan Received

Action Date: 8/2/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: RMRINT Action Date: 10/9/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

# MALDONADO RESIDENCE (Continued)

S108117365

**EDR ID Number** 

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 3/26/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 4/6/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 4/23/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 11/28/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: FLDISS
Action Date: 6/11/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 8/2/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 8/25/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 11/4/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 2/5/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/27/2006

Direction Distance

Elevation Site Database(s) EPA ID Number

### MALDONADO RESIDENCE (Continued)

S108117365

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 3/24/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 8/8/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 8/17/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 11/24/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 6/11/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 6/11/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: Modified Revised or Updated Plan Received

Action Date: 10/5/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received

Action Date: 8/12/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action

Action Status: RMRINI Action Date: 3/26/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

### MALDONADO RESIDENCE (Continued)

S108117365

**EDR ID Number** 

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 9/29/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 11/26/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT Action Date: 4/11/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 10/19/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

 Facility ID:
 2-0015782

 Primary ID:
 2-0015782

 Official City:
 WESTBOROUGH

 Notification:
 06/11/2005

 Category:
 TWO HR

Current Status: Response Action Outcome

Status Date: 11/04/2010 Phase: PHASE IV

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

 Facility ID:
 2-0016357

 Primary ID:
 2-0015782

 Official City:
 WESTBOROUGH

 Notification:
 08/16/2006

 Category:
 72 HR

Current Status: Response Action Outcome Not Required

Status Date: 09/29/2006 Phase: Not reported

Response Action Outcome: - Oil / Haz Material Type: Oil

Direction Distance

Elevation Site Database(s) EPA ID Number

H34 COMMERCIAL PROPERTY SHWS S110822157 SSW 183 TURNPIKE ROAD RELEASE N/A

1/2-1 WESTBOROUGH, MA 01581

0.618 mi.

3262 ft. Site 1 of 2 in cluster H

Relative: SHWS:

 Higher
 Facility ID:
 2-0018121

 Release Town:
 WESTBOROUGH

 Actual:
 Notification Date:
 01/11/2011

307 ft. Category: 120 DY
Associated ID: 2-0017834

Current Status: Response Action Outcome Not Required

Status Date: 09/20/2011
Phase: Not reported

Response Action Outcome: -

Oil Or Haz Material: Hazardous Material Location Type: COMMERCIAL UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: 2-METHYLNAPHTHALENE Quantity: 2.3 milligrams per kilogram

Chemical: NAPTHALENE

Quantity: 4.24 milligrams per kilogram

Chemical: PHENANTHRENE

Quantity: 15.5 milligrams per kilogram Chemical: BENZO[A]PYRENE

Quantity: 4.23 milligrams per kilogram

Action:

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 4/4/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 3/14/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 7/23/2012
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 9/20/2011
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 1/11/2011
Response Action Outcome: Not reported

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

# **COMMERCIAL PROPERTY (Continued)**

S110822157

**EDR ID Number** 

Action Type: Tier Classification

Action Status: Revised Statement or Transmittal Received

Action Date: 9/20/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 9/20/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/4/2011
Response Action Outcome: Not reported

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 3/8/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 9/20/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 4/4/2011
Response Action Outcome: Not reported

Release:

 Facility ID:
 2-0018121

 Primary ID:
 2-0017834

 Official City:
 WESTBOROUGH

 Notification:
 01/11/2011

 Category:
 120 DY

Current Status: Response Action Outcome Not Required

Status Date: 09/20/2011 Phase: Not reported

Response Action Outcome: -

Oil / Haz Material Type: Hazardous Material

H35 NEAR LYMAN STREET SHWS S110479575 SSW 183 TURNPIKE ROAD RELEASE N/A

1/2-1 WESTBOROUGH, MA 01581

0.618 mi.

3262 ft. Site 2 of 2 in cluster H

Relative: SHWS:

 Higher
 Facility ID:
 2-0017960

 Release Town:
 WESTBOROUGH

 Actual:
 Notification Date:
 08/02/2010

 307 ft.
 Category:
 120 DY

Category: 120 DY Associated ID: 2-0017834

Current Status: Response Action Outcome Not Required

Status Date: 09/20/2011

Direction Distance

Elevation Site Database(s) EPA ID Number

**NEAR LYMAN STREET (Continued)** 

S110479575

**EDR ID Number** 

Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Hazardous Material Location Type: RESIDNTIAL COMMERCIAL Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: ENDOSULFAN SULFATE Quantity: 556 milligrams per kilogram

Action:

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/4/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 7/23/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 9/20/2011
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 9/20/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 9/20/2011
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/2/2010
Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/2/2010
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 9/3/2010
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Revised Statement or Transmittal Received

Direction Distance

Elevation Site Database(s) EPA ID Number

**NEAR LYMAN STREET (Continued)** 

S110479575

**EDR ID Number** 

Action Date: 9/20/2011 Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 4/4/2011
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 4/4/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRUN
Action Date: 10/11/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 4/4/2011
Response Action Outcome: Not reported

Release:

 Facility ID:
 2-0017960

 Primary ID:
 2-0017834

 Official City:
 WESTBOROUGH

 Notification:
 08/02/2010

 Category:
 120 DY

Current Status: Response Action Outcome Not Required

Status Date: 09/20/2011
Phase: Not reported

Response Action Outcome: -

Oil / Haz Material Type: Hazardous Material

136 TURNPIKE PARK COOPERATIVE, INC

South 165 TURNPIKE ROAD 1/2-1 WESTBOROUGH, MA 01581

0.627 mi.

3309 ft. Site 1 of 2 in cluster I

Relative: LAST:

Higher Facility ID: 2-0018104

Source Type: AST

Actual: Release Town: WESTBOROUGH 288 ft. Notification Date: 02/08/2011

Category: TWO HR
Associated ID: 2-0017202

Current Status: Response Action Outcome Not Required

Status Date: 02/08/2012 Phase: Not reported

Response Action Outcome: -

Oil Or Haz Material: Hazardous Material

Chemical:

Chemical: KEROSENE Quantity: 200 gallons

S110822145

N/A

LAST

**RELEASE** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### TURNPIKE PARK COOPERATIVE, INC (Continued)

S110822145

**EDR ID Number** 

Location Type: RESIDNTIAL

Source Type: AST

Action:

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 5/5/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 2/8/2012
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 2/8/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 8/13/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 3/25/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/13/2009
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 6/21/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT
Action Date: 12/6/2011
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 10/4/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 2/8/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 12/13/2011
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

#### TURNPIKE PARK COOPERATIVE, INC (Continued)

S110822145

**EDR ID Number** 

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 2/23/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 12/20/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: FLDISS
Action Date: 2/8/2011
Response Action Outcome: Not reported

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 4/8/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 9/22/2009
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received

Action Date: 4/15/2011
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 2/8/2012
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/7/2011
Response Action Outcome: Not reported

Release:

 Facility ID:
 2-0018104

 Primary ID:
 2-0017202

 Official City:
 WESTBOROUGH

 Notification:
 02/08/2011

 Category:
 TWO HR

Current Status: Response Action Outcome Not Required

Status Date: 02/08/2012 Phase: Not reported

Response Action Outcome: -

Oil / Haz Material Type: Hazardous Material

Direction Distance

Elevation Site Database(s) EPA ID Number

137 TURNPIKE PARK COOPERATIVE SHWS \$109489915

South 165 TURNPIKE PARK LUST N/A

1/2-1 WESTBOROUGH, MA 01581 RELEASE

0.627 mi.

3309 ft. Site 2 of 2 in cluster I

Relative: SHWS:

Higher Facility ID: 2-0017202

Release Town: WESTBOROUGH Notification Date: 08/11/2008

 Actual:
 Notification Date:
 08/11/2008

 288 ft.
 Category:
 120 DY

 Associated ID:
 2-0017202

Current Status: Tier 1C, a site/release receiving a total NRS score of less than 450

and equal to or greater than 350. A site/release receiving a total NRS score of less than 350, but which also meets any of the Tier 1 Inclusionary Criteria specified in 310 CMR 40.0520(2)(a), is also classified a Tier 1C. These sites/releases require a permit and the response actions may be performed under the supervision of a Licensed City Reference (CRP) with out train DER consequently and a such as

Site Professional(LSP) without prior DEP approval, unless such an  $\,$ 

approval is specifically required by DEP.

Status Date: 08/13/2009 Phase: PHASE IV

Response Action Outcome: -

Oil Or Haz Material: Oil and Hazardous Material

Location Type: COMMERCIAL

Source Type: UST

Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS

 Quantity:
 205 micrograms per liter

 Chemical:
 CHLORODIBROMOMETHANE

 Quantity:
 2 micrograms per liter

 Chemical:
 TETRACHLOROETHYLENE

Chemical: TETRACHLOROETHYLENE
Quantity: 15.9 micrograms per liter

Action:

Action Type: Phase 2

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 2/16/2012
Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/11/2008
Response Action Outcome: Not reported

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 2/23/2012
Response Action Outcome: Not reported

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### **TURNPIKE PARK COOPERATIVE (Continued)**

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 8/13/2009
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Level I - Technical Screen Audit

Action Date: 4/9/2012
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 3/27/2012
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 2/16/2012
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDD1A
Action Date: 10/11/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 2/8/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 10/28/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT
Action Date: 6/10/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 10/4/2011
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 3/27/2012
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/11/2008
Response Action Outcome: Not reported

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

**EDR ID Number** 

S109489915

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

### **TURNPIKE PARK COOPERATIVE (Continued)**

S109489915

Action Date: 11/22/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 8/26/2008
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 3/27/2012
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/18/2012
Response Action Outcome: Not reported

Action Type: Phase 1

Action Status: Level I - Technical Screen Audit

Action Date: 9/2/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 4/18/2012
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 10/21/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 8/13/2009
Response Action Outcome: Not reported

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 8/13/2009
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 9/22/2009
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 4/18/2012
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 2/15/2012
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## **TURNPIKE PARK COOPERATIVE (Continued)**

S109489915

**EDR ID Number** 

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 3/27/2012
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 12/14/2011
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 12/14/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/13/2009
Response Action Outcome: Not reported

LUST:

Facility:

 Facility ID:
 2-0017202

 Current Status:
 TIER1C

 Status Date:
 08/13/2009

 Source Type:
 UST

Release Town: WESTBOROUGH
Notification Date: 08/11/2008
Category: 120 DY
Associated ID: 2-0017202
Phase: PHASE IV

Response Action Outcome: -

Oil Or Haz Material: Oil and Hazardous Material

Location Type: COMMERCIAL

Source Type: UST Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS

Quantity: 205 micrograms per liter
Chemical: CHLORODIBROMOMETHANE
Quantity: 2 micrograms per liter
Chamical: TETRACHI OPOETHYLENE

Chemical: TETRACHLOROETHYLENE
Quantity: 15.9 micrograms per liter

Action:

Action Type: Phase 2

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 2/16/2012
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## **TURNPIKE PARK COOPERATIVE (Continued)**

S109489915

**EDR ID Number** 

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/11/2008
Response Action Outcome: Not reported

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 2/23/2012
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 8/13/2009
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Level I - Technical Screen Audit

Action Date: 4/9/2012
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 3/27/2012 Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 2/16/2012 Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDD1A
Action Date: 10/11/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 2/8/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued

Action Date: 10/28/2011 Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT
Action Date: 6/10/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **TURNPIKE PARK COOPERATIVE (Continued)**

S109489915

**EDR ID Number** 

Action Date: 10/4/2011 Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received

Action Date: 3/27/2012
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/11/2008
Response Action Outcome: Not reported

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/22/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 8/26/2008
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received

Action Date: 3/27/2012
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/18/2012
Response Action Outcome: Not reported

Action Type: Phase 1

Action Status: Level I - Technical Screen Audit

Action Date: 9/2/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level II - Audit Inspection

Action Date: 4/18/2012 Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit

Action Date: 10/21/2011 Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 8/13/2009
Response Action Outcome: Not reported

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 8/13/2009
Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## **TURNPIKE PARK COOPERATIVE (Continued)**

S109489915

**EDR ID Number** 

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 9/22/2009
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD
Action Date: 4/18/2012
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 2/15/2012
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 3/27/2012
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 12/14/2011
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 12/14/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/13/2009
Response Action Outcome: Not reported

Release:

Facility ID: 2-0017202 Primary ID: 2-0017202 Official City: WESTBOROUGH Notification: 08/11/2008 Category: 120 DY **Current Status:** TIER1C Status Date: 08/13/2009 Phase: PHASE IV

Response Action Outcome: -

Oil / Haz Material Type: Oil and Hazardous Material

Direction Distance

Elevation Site Database(s) EPA ID Number

 38
 PEXCO INC
 SHWS
 1001198484

 North
 170 BARTLETT ST
 RELEASE
 N/A

1/2-1 NORTHBOROUGH, MA 01532

0.673 mi. 3556 ft.

Relative: SHWS:

Higher Facility ID: 2-0000892

Release Town: NORTHBOROUGH

Actual: Notification Date: 07/15/1993 287 ft. Category: NONE

Associated ID: Not reported

Current Status: Downgradient Property Status

Status Date: 06/14/1999
Phase: Not reported

Response Action Outcome: Oil Or Haz Material: Oil

Location Type: MANUFACT
Location Type: INDUSTRIAL

Location Type: INDUSTRIAL Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: VOCS
Quantity: Not reported

Action:

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 12/5/1997
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 8/5/1997
Response Action Outcome: Not reported

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: Downgradient Property Status

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/14/1999
Response Action Outcome: Not reported

Action Type: PIP

Action Status: Public Comment Period Initiated on Submittal

Action Date: 8/13/1997
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 7/15/1993
Response Action Outcome: Not reported

**EDR ID Number** 

**AIRS** 

Direction Distance

Elevation Site Database(s) EPA ID Number

PEXCO INC (Continued) 1001198484

Action Type: Tier Classification
Action Status: Tier 1C Classification

Action Date: 8/5/1997
Response Action Outcome: Not reported

Release:

Facility ID: 2-0000892
Primary ID: Not reported
Official City: NORTHBOROUGH

Notification: 07/15/1993 Category: NONE

Current Status: Downgradient Property Status

Status Date: 06/14/1999
Phase: Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

AIRS:

Facility Status: APPROV Permit Code: AQ02

Permit Name: NON-MAJOR COMPREHENSIVE PLAN APPLICATION

DEP Region: CE

Application Tracking Number: W029173
Date Closed: 09/27/2002

Applicant Name: BUNZL EXTRUSION MASS INC

Applicant Address: 170 BARTLETT ST

Applicant City, St, Zip: NORTHBOROUGH, MA 015320000

Applicant Telephone: 5083932553

 J39
 BAY STATE CIRCUITS INC
 RCRA-NonGen
 1000132279

 NNE
 200 BARTLETT ST
 FINDS
 MAD001135854

1/2-1 NORTHBOROUGH, MA 01532 SHWS 0.720 mi. RELEASE

3800 ft. Site 1 of 2 in cluster J

Relative: RCRA-NonGen:

Higher Date form received by agency: 11/18/1980

Facility name: BAY STATE CIRCUITS INC
Actual: Facility address: 200 BARTLETT ST

316 ft. NORTHBOROUGH, MA 01532

EPA ID: MAD001135854
Mailing address: PO BOX 300

NORTHBOROUGH, MA 01532

Contact: JAMES DUCEY
Contact address: PO BOX 300

NORTHBORO, MA 01532

Contact country: US

Contact telephone: (508) 393-2437
Contact email: Not reported
EPA Region: 01
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Owner/operator name: BAY STATE CIRCUITS INC

Owner/operator address: PO BOX 300

NORTHBORO, MA 01532

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 03/01/1990 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: Nο User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: Nο

#### Historical Generators:

Date form received by agency: 08/15/1980

Facility name: BAY STATE CIRCUITS INC Classification: Not a generator, verified

Date form received by agency: 08/15/1980

Facility name: BAY STATE CIRCUITS INC Classification: Not a generator, verified

#### Hazardous Waste Summary:

Waste code: F001

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,

TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED

IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006

Waste name: 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; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

ALUMINUM.

Direction Distance Elevation

tion Site Database(s) EPA ID Number

#### **BAY STATE CIRCUITS INC (Continued)**

Enforcement action date:

1000132279

**EDR ID Number** 

Facility Has Received Notices of Violations:

Regulation violated: SR - 322(1)

Area of violation: Generators - General

Date violation determined: 09/18/1992
Date achieved compliance: 10/26/1992

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

09/21/1992

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

0

0

0

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 02/12/1987
Date achieved compliance: 04/13/1987
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 02/25/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 06/27/1986
Date achieved compliance: 02/12/1987

Violation lead agency: State

Paid penalty amount:

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/27/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 12/17/1985
Date achieved compliance: 02/12/1987
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/20/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

**Evaluation Action Summary:** 

Evaluation date: 09/18/1992

NON-FINANCIAL RECORD REVIEW Evaluation:

Area of violation: Generators - General

Date achieved compliance: 10/26/1992 Evaluation lead agency: State

04/13/1987 Evaluation date:

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 02/12/1987

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - General

Date achieved compliance: 04/13/1987 Evaluation lead agency: State

06/27/1986 Evaluation date:

NON-FINANCIAL RECORD REVIEW Evaluation:

Area of violation: Generators - General

Date achieved compliance: 02/12/1987 Evaluation lead agency: State

Evaluation date: 02/11/1986

NON-FINANCIAL RECORD REVIEW Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 12/17/1985

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Generators - General Area of violation:

Date achieved compliance: 02/12/1987 Evaluation lead agency: State

FINDS:

Registry ID: 110003420726

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer

System

SHWS:

Facility ID: 2-0000393 Release Town: NORTHBOROUGH

Notification Date: 07/15/1988

Direction Distance

Elevation Site Database(s) EPA ID Number

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Category: NONE
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 06/01/2010 Phase: PHASE V

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil

Location Type: INDUSTRIAL Location Type: MANUFACT Source Type: LEACHFIELD

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: WASTEWATER DISCHARGE

Quantity: Not reported Chemical: VOCS Quantity: Not reported

Action:

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 10/9/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: RFI Action Date: 6/12/1992

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 10/30/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 10/13/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 4/30/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 9/20/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 7/22/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Public Comment Period Initiated on Submittal

Action Date: 7/10/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification
Action Status: Tier 1B Classification

Action Date: 7/22/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 8/15/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 10/30/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 4/27/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 4/6/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 6/4/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 12/5/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 4

Action Status: Completion Statement Received

Action Date: 10/11/2002

Direction Distance

Elevation Site Database(s) EPA ID Number

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 6/1/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 1/23/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 8/14/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit

Action Status: NAFVIO Action Date: 10/3/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: ACOP Action Date: 10/1/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: RFI
Action Date: 10/9/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 6/4/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/23/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/8/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 9/7/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 8/11/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 7/15/1988

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 7/10/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 7/22/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 11/10/1988

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 4/6/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/8/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 1/19/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 3/5/2008

Direction Distance

Elevation Site Database(s) EPA ID Number

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 11/22/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 11/25/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 4

Action Status: Level II - Audit Inspection

Action Date: 8/14/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 7/22/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: FLDREQ
Action Date: 11/10/1988

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 1/4/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/21/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 4/27/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/21/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/23/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 4/29/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 9/20/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Level I - Technical Screen Audit Action Status:

11/16/2009 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 9/7/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Compliance and Enforcement Action Action Type: Action Status: Notice of Enforcement Conference

Action Date: 5/29/2007

A permanent solution has been achieved. Contamination has not been Response Action Outcome:

reduced to background.

Action Type: Phase 4

Action Status: As-Built Construction Report Received

Action Date: 10/11/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification Action Status: Permit Effective Date

Action Date: 11/15/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 8/1/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Remedy Operation Status Submittal Received Action Status:

Action Date: 4/23/2004 Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

## **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 12/28/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 12/31/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level II - Audit Inspection

Action Date: 10/3/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 2/18/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 2/2/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 3/25/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 5

Action Status: Level I - Technical Screen Audit

Action Date: 4/14/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 8/7/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **BAY STATE CIRCUITS INC (Continued)**

1000132279

**EDR ID Number** 

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 9/20/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: TREGS
Action Status: BWSC05
Action Date: 7/22/1994

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0000393

Primary ID: Not reported

Official City: NORTHBOROUGH

Notification: 07/15/1988

Category: NONE

Current Status: Response Action Outcome

Status Date: 06/01/2010 Phase: PHASE V

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

J40 A DUIE PYLE INC FINDS 1011919184
NNE 210 BARTLETT ST SHWS N/A

1/2-1 NORTHBOROUGH, MA 01532

0.736 mi.

3887 ft. Site 2 of 2 in cluster J

Relative:

FINDS:

Higher

Registry ID: 110037393549

Actual: 334 ft.

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer

System

SHWS:

Facility ID: 2-0017648
Release Town: NORTHBOROUGH

Notification Date: 09/17/2009
Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 10/29/2009 Phase: Not reported **RELEASE** 

Map ID MAP FINDINGS Direction

Distance

Elevation Site **EPA ID Number** Database(s)

A DUIE PYLE INC (Continued) 1011919184

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Oil

Location Type: **INDUSTRIAL** Source Type: **FUELTANK** Source Type: **VEHICLE** 

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: **DIESEL FUEL** Quantity: 40 gallons

Action:

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

A MassDEP piece of correspondence was issued (approvals, NORs, etc. Action Status:

Action Date: 10/2/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: **RAO Statement Received** 

Action Date: 10/29/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: Level I - Technical Screen Audit

Action Date: 1/13/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Oral Approval of Plan or Action Action Status:

9/17/2009 Action Date:

A permanent solution has been achieved. Contamination has been reduced Response Action Outcome:

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/17/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: **RNFE** 

Action Status: Transmittal, Notice, or Notification Received

Action Date: 10/30/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action Action Status: Completion Statement Received

Action Date: 10/29/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

**EDR ID Number** 

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

A DUIE PYLE INC (Continued)

1011919184

Release:

Facility ID: 2-0017648

Primary ID: Not reported

Official City: NORTHBOROUGH

Notification: 09/17/2009 Category: TWO HR

Current Status: Response Action Outcome

Status Date: 10/29/2009
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type: Oil

41 WESTMEADOW PLAZA SHWS S111277234 SW 168 MILK ST RELEASE N/A

1/2-1 WESTBOROUGH, MA

0.818 mi. 4321 ft.

Relative: SHWS:

Higher Facility ID: 2-0018334
Release Town: WESTBOROUGH

 Actual:
 Notification Date:
 09/12/2011

 310 ft.
 Category:
 TWO HR

 Associated ID:
 Not reported

Current Status: Response Action Outcome

Status Date: 11/04/2011 Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Not reported Location Type: COMMERCIAL Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: CORROSIVE FLOOR CLEANING SOLUTION

Quantity: 100 pounds

Action:

Action Type: RLFA
Action Status: FLDRAN
Action Date: 9/13/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 9/12/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 9/14/2011

Direction Distance Elevation

Elevation Site Database(s) EPA ID Number

# WESTMEADOW PLAZA (Continued)

S111277234

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/4/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 9/12/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 12/12/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 11/4/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 9/27/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 9/16/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/12/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Release:

Facility ID: 2-0018334

Primary ID: Not reported

Official City: WESTBOROUGH

Notification: 09/12/2011

Category: TWO HR

Current Status: Response Action Outcome

Status Date: 11/04/2011
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**WESTMEADOW PLAZA (Continued)** 

S111277234

Oil / Haz Material Type: Not reported

42 STRICA REALTY TRUST SHWS S104847342 **ESE** RELEASE 14 LYONS ST N/A

1/2-1 WESTBOROUGH, MA 01581

0.831 mi. 4387 ft.

SHWS: Relative: Facility ID: Higher Release Town:

WESTBOROUGH Actual: Notification Date: 11/03/2000 398 ft. Category: 120 DY Associated ID: Not reported

> **Current Status: Response Action Outcome**

2-0013552

Status Date: 01/30/2001 Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil and Hazardous Material

Location Type: Not reported Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

**BTEX** Chemical:

Quantity: 590 milligrams per kilogram

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS

Quantity: 16000 milligrams per kilogram

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS

7300 milligrams per kilogram Quantity:

Action:

Action Type: **RLFA** Action Status: **FOLOFF** 11/13/2000 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: **RNF** 

Action Status: Reportable Release under MGL 21E

Action Date: 11/3/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Written Approval of Plan

11/16/2000 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure Action Status: Written Plan Received

Action Date: 11/3/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

## STRICA REALTY TRUST (Continued)

S104847342

**EDR ID Number** 

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only

Action Date: 11/8/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 1/30/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 11/17/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/20/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 11/3/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/16/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0013552
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 11/03/2000
Category: 120 DY

Current Status: Response Action Outcome

Status Date: 01/30/2001 Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil and Hazardous Material

Direction Distance

Elevation Site Database(s) EPA ID Number

K43 MASSACHUSETTS CONTAINER CORP. SHWS S101027183
NE 300 CEDAR HILL ST. LUST N/A

NE 300 CEDAR HILL ST. 1/2-1 MARLBOROUGH, MA 01752

0.867 mi.

4579 ft. Site 1 of 2 in cluster K

Relative: Higher SHWS:

Facility ID: 2-0000908
Release Town: MARLBOROUGH
Notification Date: 08/26/1992

Actual: Notification 287 ft. Category

Notification Date: 08/26/1992
Category: NONE
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 03/07/1996
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Not reported Location Type: TANK FARM Source Type: Not reported

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: UNKNOWN Quantity: Not reported

Action:

Action Type: TREGS
Action Status: WAVSIG
Action Date: 8/26/1992

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: TREGS
Action Status: WAVREC
Action Date: 4/1/1992

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 8/26/1992

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 4/1/1992

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 9/9/1992

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

**EDR ID Number** 

**RELEASE** 

**SPILLS** 

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 3/7/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 4/23/1992

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Facility ID: 2-0015931
Release Town: MARLBOROUGH
Notification Date: 10/07/2005
Category: 72 HR
Associated ID: Not reported

Current Status: Response Action Outcome Not Required

Status Date: 11/10/2006
Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Oil

Location Type: INDUSTRIAL Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: DIESEL FUEL Quantity: 12 inches

Action:

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 11/10/2006
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/7/2005 Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 11/4/2005
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/24/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action Action Status: IRA Assessment Only

Action Date: 10/7/2005

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Response Action Outcome: Not reported

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 12/12/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 2/24/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 3/7/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 11/16/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 9/8/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 12/16/2005
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued

Action Date: 11/3/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 11/10/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/5/2006
Response Action Outcome: Not reported

Facility ID: 2-0010881
Release Town: MARLBOROUGH
Notification Date: 08/09/1995
Category: 120 DY
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 03/07/1996
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

been reduced to background.

Oil Or Haz Material: Oil

Location Type: INDUSTRIAL Source Type: UNKNOWN

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: DIESEL FUEL
Quantity: 3800 parts per million

Action:

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only

Action Date: 9/20/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit

Action Status: NOA Action Date: 9/9/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only

Action Date: 3/6/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/15/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received

Action Date: 9/28/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 3/7/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/9/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Action Date: 9/15/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Action Date: 10/19/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD Action Date: 10/18/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/29/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/9/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

LUST:

Facility:

Facility ID: 2-0011048

Current Status: Response Action Outcome

Status Date: 04/24/1996 Source Type: UST

Release Town: MARLBOROUGH
Notification Date: 12/26/1995
Category: TWO HR
Associated ID: Not reported
Phase: Not reported

Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No

Significant Risk exists.

Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: #4 FUEL OIL Quantity: 50 gallons

Action:

Action Type: Immediate Response Action

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Action Status: Oral Approval of Plan or Action

Action Date: 12/26/1995

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 12/26/1995

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: An activity type that is related to an Audit

Action Status: NOA Action Date: 11/4/2004

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/28/1995

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 12/28/1995

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 4/26/1996

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Response Action Outcome - RAO Action Status: RAO Statement Received

Action Date: 4/24/1996

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 12/26/1995

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 2/23/1996

Response Action Outcome: Remedial actions have not been conducted because a level of No

Significant Risk exists.

Facility:

Facility ID: 2-0015216

Current Status: Response Action Outcome

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Status Date: 08/06/2007 Source Type: UST

Release Town: MARLBOROUGH
Notification Date: 04/21/2004
Category: TWO HR
Associated ID: Not reported
Phase: PHASE II

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Source Type: UST

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: #2 FUEL OIL Quantity: 3 inches

Action:

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 3/7/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 10/5/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 8/25/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT Action Date: 2/23/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 4/28/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 9/8/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 9/9/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 5/4/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 4/21/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 6/30/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 8/6/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 8/31/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification

Action Status: Level I - Technical Screen Audit

Action Date: 5/17/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 11/10/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received

Action Date: 2/24/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only

Action Date: 10/7/2005

Direction Distance Elevation

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 7/16/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 4/21/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received

Action Date: 6/30/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 12/16/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 1

Action Status: Level I - Technical Screen Audit

Action Date: 5/17/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action Action Status: Written Plan Received

Action Date: 12/12/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

Action Date: 11/16/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 4/28/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 4/28/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Release:

Facility ID: 2-0000908
Primary ID: Not reported
Official City: MARLBOROUGH
Notification: 08/26/1992
Category: NONE

Current Status: Response Action Outcome

Status Date: 03/07/1996
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Not reported

Facility ID: 2-0010881
Primary ID: Not reported
Official City: MARLBOROUGH
Notification: 08/09/1995
Category: 120 DY

Current Status: Response Action Outcome

Status Date: 03/07/1996
Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

Facility ID: 2-0011048
Primary ID: Not reported
Official City: MARLBOROUGH
Notification: 12/26/1995
Category: TWO HR

Current Status: Response Action Outcome

Status Date: 04/24/1996
Phase: Not reported

Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No

Significant Risk exists.

Oil / Haz Material Type: Oil

Facility ID: 2-0015216
Primary ID: Not reported
Official City: MARLBOROUGH
Notification: 04/21/2004
Category: TWO HR

Current Status: Response Action Outcome

Status Date: 08/06/2007 Phase: PHASE II

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

Facility ID: 2-0015931
Primary ID: Not reported
Official City: MARLBOROUGH
Notification: 10/07/2005
Category: 72 HR

Current Status: Response Action Outcome Not Required

Status Date: 11/10/2006
Phase: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

## MASSACHUSETTS CONTAINER CORP. (Continued)

S101027183

**EDR ID Number** 

Response Action Outcome: Oil Oil / Haz Material Type:

MA Spills:

Facility ID: 0000 Spill ID: C89-0746 BRESNAHAN, C Staff Lead: Date Entered: Not reported 19901205 19891218 Last Entered: First Response: 19891218 10:30AM Spill Date: Spill Time: Report Date: 19891218 Report Time: 11:00AM Case Closed: YES Mat Type: **PETROLEUM** Virgin Waste: **VIRGIN** Contam Soil: Not reported Env Impact: SOIL Other Impact: Not reported DIESEL FUEL Not reported Material: Other Material: UNKNOWN Qty Reported: UNKNOWN Qty Actual: Qty Reported: Qty Actual: NONE CAS No: Not reported PCB Lev (ppm): Source: U.S.T. Other Source: Not reported Incident: TANK REMOVAL Other Incdnt: Not reported Cleanup Type: Contractor: NOT USED LUST Elig: YES

Category:

Category:

Not reported

Not reported

NO Referral:

Report Prep: Not reported

Notifier: M FEAHLY/MASS. CONT. CORP

Notif Tel: Not reported

Days/Close: 337

Facility ID: 0000 Spill ID: C89-0759 Staff Lead: BRESNAHAN, C Not reported Date Entered: Last Entered: 19901204 First Response: 19891218 Spill Date: 19891218 Spill Time: Not reported 19891218 Not reported Report Date: Report Time: Case Closed: **PETROLEUM** YES Mat Type: Virgin Waste: **VIRGIN** Contam Soil: Not reported Env Impact: SOIL Other Impact: Not reported #2 FUEL OIL Not reported Material: Other Material: UNKNOWN UNKNOWN Qty Reported: Qty Actual: Qty Reported: Qty Actual: CAS No: Not reported PCB Lev (ppm): NONE

Source: U.S.T. Other Source: Not reported TANK REMOVAL Incident: Other Incdnt: Not reported NOT USED Cleanup Type: Contractor: LUST Elig: NO NO

Referral: Report Prep: Not reported

Notifier: FIRE DEPT. Notif Tel: Not reported

Days/Close:

S110125037 **WAREHOUSE** SHWS 360 CEDAR HILL RD **RELEASE** N/A

ΝE 1/2-1 MARLBOROUGH, MA

0.873 mi.

K44

4610 ft. Site 2 of 2 in cluster K

SHWS: Relative:

Facility ID: 2-0017778 Higher Release Town: MARLBOROUGH Actual: Notification Date: 01/25/2010 300 ft. TWO HR Category:

Direction Distance

Elevation Site Database(s) EPA ID Number

WAREHOUSE (Continued) S110125037

Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 03/15/2010
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Not reported
Location Type: COMMERCIAL
Source Type: HOSE

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: HYDRAULIC OIL Quantity: 15 gallons

Action:

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 1/25/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 3/15/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 3/15/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 4/20/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 1/25/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 4/23/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Release:

Facility ID: 2-0017778

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**WAREHOUSE (Continued)** S110125037

Primary ID: Not reported MARLBOROUGH Official City: 01/25/2010 Notification: TWO HR Category:

**Current Status:** Response Action Outcome

03/15/2010 Status Date: Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type: Not reported

45 **HUTCHINS RESIDENCE** LAST S105199141 NW 91 BRIGHAM ST **RELEASE** N/A

1/2-1 NORTHBOROUGH, MA 01532

0.891 mi. 4704 ft.

LAST: Relative:

Higher Facility ID: 2-0014084 AST

Source Type: Actual:

Release Town: **NORTHBOROUGH** 325 ft. Notification Date: 11/16/2001

Category: TWO HR Associated ID: Not reported

**Current Status: Response Action Outcome** 

Status Date: 01/11/2002 Phase: Not reported

A2 - A permanent solution has been achieved. Contamination has not Response Action Outcome:

been reduced to background.

Oil Or Haz Material: Oil

Chemical:

Chemical: #2 FUEL OIL 275 gallons Quantity: RESIDNTIAL Location Type:

Source Type: AST

Action:

Action Type: Response Action Outcome - RAO **RAO Statement Received** Action Status:

Action Date: 1/11/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 12/13/2001

A permanent solution has been achieved. Contamination has not been Response Action Outcome:

reduced to background.

Action Type: **RLFA** Action Status: **FLDDO** Action Date: 11/16/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: **RNF** 

Action Status: Reportable Release under MGL 21E

Action Date: 1/11/2002 **EDR ID Number** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**HUTCHINS RESIDENCE (Continued)** 

S105199141

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 11/16/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: Immediate Response Action Oral Approval of Plan or Action Action Status:

Action Date: 11/16/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

**FLDISS** Action Status: 11/16/2001 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: **RLFA FLDRUN** Action Status: Action Date: 11/23/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Action Type: **RLFA** Action Status: **FLDRUN** 12/20/2001 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

reduced to background.

Release:

Facility ID: 2-0014084 Primary ID: Not reported Official City: NORTHBOROUGH Notification: 11/16/2001

TWO HR Category:

**Current Status:** Response Action Outcome Status Date: 01/11/2002 Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil / Haz Material Type: Oil

S108962805 46 **JONES LANG LASALLA** SHWS SE 1 RESEARCH DR **RELEASE** N/A

1/2-1 WESTBOROUGH, MA 01581

0.919 mi. 4850 ft.

SHWS: Relative:

Facility ID: 2-0018684 Higher Release Town: WESTBOROUGH

Actual: 09/07/2012 Notification Date:

452 ft.

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **JONES LANG LASALLA (Continued)**

S108962805

**EDR ID Number** 

Category: TWO HR
Associated ID: Not reported
Current Status: Unclassified
Status Date: 09/07/2012
Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Not reported Location Type: COMMERCIAL Source Type: HOSE

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: HYDRAULIC OIL Quantity: 40 gallons

Action:

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 9/11/2012
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/4/2012
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/7/2012
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/11/2012
Response Action Outcome: Not reported

Facility ID: 2-0016909
Release Town: WESTBOROUGH
Notification Date: 12/12/2007
Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 04/10/2008
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Not reported
Location Type: COMMERCIAL
Source Type: Not reported

Click here to access the MA DEP site for this facility:

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

## JONES LANG LASALLA (Continued)

S108962805

**EDR ID Number** 

Chemical:

Chemical: HYDRAULIC OIL Quantity: 100 gallons

Action:

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 4/10/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 12/12/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit

Action Date: 5/8/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 2/15/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 2/11/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action

Action Date: 12/12/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received

Action Date: 2/11/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Release:

Facility ID: 2-0016909
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 12/12/2007
Category: TWO HR

Current Status: Response Action Outcome

Status Date: 04/10/2008
Phase: Not reported

Map ID MAP FINDINGS

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## JONES LANG LASALLA (Continued)

S108962805

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type: Not reported

Facility ID: 2-0018684 Primary ID: Not reported WESTBOROUGH Official City: Notification: 09/07/2012 TWO HR Category:

**Current Status: Unclassified Waste Site** 

09/07/2012 Status Date: Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Not reported

47 **SIERRA SUITES HOTEL** S105596259 SHWS **ESE 1800 COMPUTER DR RELEASE** N/A WESTBOROUGH, MA 01581 1/2-1

0.962 mi. 5079 ft.

SHWS: Relative:

2-0014350 Facility ID: Higher

Release Town: WESTBOROUGH Actual: Notification Date: 06/14/2002 453 ft.

Category: TWO HR Associated ID: Not reported

> **Response Action Outcome Current Status:**

Status Date: 08/06/2002 Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil Or Haz Material: Oil

Location Type: **ROADWAY** Source Type: PIPE

Click here to access the MA DEP site for this facility:

Chemical:

Chemical: HYDRAULIC FLUID

15 gallons Quantity:

Action:

Action Type: Response Action Outcome - RAO Action Status: Level I - Technical Screen Audit

Action Date: 9/20/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: **RNF** 

Action Status: Reportable Release under MGL 21E

8/6/2002 Action Date:

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Immediate Response Action Action Type: Action Status: Oral Approval of Plan or Action Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

## SIERRA SUITES HOTEL (Continued)

S105596259

**EDR ID Number** 

Action Date: 6/14/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received

Action Date: 8/6/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 6/14/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 7/5/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

to background or a threat of release has been eliminated.

Release:

Facility ID: 2-0014350
Primary ID: Not reported
Official City: WESTBOROUGH
Notification: 06/14/2002
Category: TWO HR

Current Status: Response Action Outcome

Status Date: 08/06/2002
Phase: Not reported

Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been

reduced to background or a threat of release has been eliminated.

Oil / Haz Material Type: Oil

Count: 29 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WESTBOROUGH	1000336887	DIXON IND PENN DIXON DIV	RTE 9	01581	FINDS,RCRA-NLR
WESTBOROUGH	1004968144	WESTBOROUGH PLAZA 6A	WESTBOROUGH PLZ 6A		HWS,RELEASE
WESTBOROUGH	1005491405	WESTBOROUGH	WESTBORO	01581	FINDS
NORTHBOROUGH	1005493817	NORTHBOROUGH	NORTHBOROUGH	01532	FINDS
WESTBOROUGH	1005552655	WESTBOROUGH WATER PURIFICATION PLA	FISHER STREET	01581	FINDS
NORTHBOROUGH	1006836811	NORTHBOROUGH LANDFILL	RTE 20, RTE 9	01532	FINDS
NORTHBOROUGH	1011850217	NORTHBOROUGH TOWN OF MS4	TOWNWIDE	01532	FINDS
NORTHBOROUGH	1011869529	NORTHBOROUGH TOWN OF MS4	TOWNWIDE NORTHBOROUGH MA	01532	ICIS
SHREWSBURY	1012112081	WESTBOROUGH WOODS	ROUTE 9	01581	FINDS
WESTBOROUGH	1014893635	WESTBOROUGH WOODS	RT 9	01581	FINDS
WESTBOROUGH	S102084408	MASS HIGHWAY DEPT	RTE 495N	01581	HWS,RELEASE
WESTBOROUGH	S103811202	MULCH SPILL	RTE 495N		HWS,RELEASE
NORTHBOROUGH	S103811355	ROADWAY RELEASE	RTE 290 WESTBOUND	01532	HWS,RELEASE
NORTHBOROUGH	S104179755	CHURCH STREET	RTE 290 W	01532	HWS,RELEASE
NORTHBOROUGH	S104482161	RTE 290 E 1.4 MI WEST OF EXIT 25B	RTE 290	01532	HWS,RELEASE
WESTBOROUGH	S104847320	MIDWEST COAST TRANSPORT	RTE 9	01581	HWS,RELEASE
NORTHBOROUGH	S104847334	HOP BROOK FLOOD FACILITY	RTE 20	01532	HWS,RELEASE
WESTBOROUGH	S105522137	SERVICE AREA 6AW	MASSACHUSETTS TPKE RTE 90 W	01581	HWS,RELEASE
NORTHBOROUGH	S105596242	MHD FACILITY 39	BOSTON TPKE RTE9	01532	INST CONTROL, RELEASE, HWS, LUS
WESTBOROUGH	S105596314	OWENS AND MINOR DISTRIBUTORS INC	RTE495N AT FLANDERS RD		HWS,RELEASE
WESTBOROUGH	S106343926	FRS MCNAMARA	RTE 90 W MM 103	01581	HWS,RELEASE
NORTHBOROUGH	S106510281	HOP BROOK FLOOD RETARDING FACILITY	RTE 20	01532	HWS,RELEASE
WESTBOROUGH	S106510357	GET-A-WAY FARMS TRUCKING	RTE 495 NORTH AT BOSTON WORC T	01581	HWS,RELEASE
WESTBOROUGH	S106863270	WASTE MANAGEMENT, INC	RTE 9 EASTBOUND		HWS,RELEASE
WESTBOROUGH	S107677987	ASTRO CRANE	RTE 495 S		HWS,RELEASE
NORTHBOROUGH	S109330307		RTE 20 RTE 9	01532	
WESTBOROUGH		ROADWAY SPILL	RTE. 9 AT RTE. 495		HWS,RELEASE
WESTBOROUGH	S110822126		RTE. 495 N @ RTE. 90		HWS,RELEASE
WESTBOROUGH	S112146163	POLE 135	ROUTE 9	01581	HWS,RELEASE

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/07/2012 Source: EPA
Date Data Arrived at EDR: 07/05/2012 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/07/2012 Source: EPA
Date Data Arrived at EDR: 07/05/2012 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Source: EPA

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

**DELISTED NPL: National Priority List Deletions** 

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/07/2012 Date Data Arrived at EDR: 07/05/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 75

Source: EPA Telephone: N/A

Last EDR Contact: 10/11/2012

Next Scheduled EDR Contact: 01/21/2013 Data Release Frequency: Quarterly

#### Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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

Date of Government Version: 12/27/2011 Date Data Arrived at EDR: 02/27/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 14

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/28/2012

Next Scheduled EDR Contact: 03/11/2013 Data Release Frequency: Quarterly

### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010 Date Data Arrived at EDR: 01/11/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 10/09/2012

Next Scheduled EDR Contact: 01/21/2013 Data Release Frequency: Varies

#### Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. 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.

Date of Government Version: 12/28/2011 Date Data Arrived at EDR: 02/27/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 14

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/28/2012

Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011 Date Data Arrived at EDR: 08/31/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 132

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 11/12/2012

Next Scheduled EDR Contact: 02/25/2013 Data Release Frequency: Quarterly

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/11/2012 Date Data Arrived at EDR: 10/04/2012 Date Made Active in Reports: 12/04/2012

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 11/29/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Quarterly

#### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012 Date Data Arrived at EDR: 10/04/2012 Date Made Active in Reports: 12/04/2012

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 11/29/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2012 Date Data Arrived at EDR: 10/04/2012 Date Made Active in Reports: 12/04/2012

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 11/29/2012

Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012 Date Data Arrived at EDR: 10/04/2012 Date Made Active in Reports: 12/04/2012

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 11/29/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Varies

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/18/2012 Date Data Arrived at EDR: 07/24/2012 Date Made Active in Reports: 11/05/2012 Number of Days to Update: 104

US INST CONTROL: Sites with Institutional Controls

Telephone: 703-603-0695 Last EDR Contact: 12/10/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Varies

Source: Environmental Protection Agency

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/18/2012 Date Data Arrived at EDR: 07/24/2012 Date Made Active in Reports: 11/05/2012 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 12/10/2012

Next Scheduled EDR Contact: 03/25/2013

Number of Days to Update: 104

Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/15/2012

Number of Days to Update: 31

Next Scheduled EDR Contact: 03/04/2013 Data Release Frequency: Varies

### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012 Date Data Arrived at EDR: 04/03/2012 Date Made Active in Reports: 06/14/2012 Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 10/02/2012

Number of Days to Update: 72

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Annually

## State- and tribal - equivalent CERCLIS

SHWS: Site Transition List

Contains information on releases of oil and hazardous materials that have been reported to DEP.

Date of Government Version: 10/12/2012 Date Data Arrived at EDR: 10/16/2012 Date Made Active in Reports: 11/16/2012

Telephone: 617-292-5990 Last EDR Contact: 10/16/2012

Number of Days to Update: 31

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Quarterly

Source: Department of Environmental Protection

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/01/2012 Date Data Arrived at EDR: 10/16/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 31

Source: Department of Environmental Protection

Telephone: 617-292-5989 Last EDR Contact: 10/16/2012

Next Scheduled EDR Contact: 01/21/2013 Data Release Frequency: Quarterly

#### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Listing

Sites within the Leaking Underground Storage Tank Listing that have a UST listed as its source.

Date of Government Version: 10/12/2012 Date Data Arrived at EDR: 10/16/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 31

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 10/16/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites

Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 10/12/2012 Date Data Arrived at EDR: 10/16/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 31

Source: Department of Environmental Protection

Telephone: 617-292-5500 Last EDR Contact: 10/16/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012 Date Data Arrived at EDR: 05/09/2012 Date Made Active in Reports: 07/10/2012

Number of Days to Update: 62

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/01/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011 Date Data Arrived at EDR: 12/15/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 26

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011 Date Data Arrived at EDR: 09/13/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 59

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012 Date Data Arrived at EDR: 08/28/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 49

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012 Date Data Arrived at EDR: 08/28/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 49

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012 Date Data Arrived at EDR: 09/07/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012 Date Data Arrived at EDR: 08/02/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 75

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/30/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Quarterly

### State and tribal registered storage tank lists

UST: Summary Listing of all the Tanks Registered in the State of Massachusetts

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/19/2012
Date Data Arrived at EDR: 10/24/2012
Date Made Active in Reports: 11/16/2012

Number of Days to Update: 23

Source: Department of Fire Services, Office of the Public Safety

Telephone: 617-556-1035 Last EDR Contact: 10/24/2012

Next Scheduled EDR Contact: 02/04/2013 Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Database Registered Aboveground Storage Tanks.

Date of Government Version: 10/22/2009 Date Data Arrived at EDR: 10/28/2009 Date Made Active in Reports: 11/06/2009

Number of Days to Update: 9

Source: Department of Public Safety Telephone: 617-556-1035 Last EDR Contact: 10/22/2012

Next Scheduled EDR Contact: 02/04/2013 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012 Date Data Arrived at EDR: 08/28/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 49

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012 Date Data Arrived at EDR: 08/28/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 49

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012 Date Data Arrived at EDR: 08/03/2012 Date Made Active in Reports: 11/05/2012

Number of Days to Update: 94

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012 Date Data Arrived at EDR: 05/02/2012 Date Made Active in Reports: 07/16/2012

Number of Days to Update: 75

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/01/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012 Date Data Arrived at EDR: 09/07/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 39

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/01/2012 Date Data Arrived at EDR: 08/02/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 75

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011 Date Data Arrived at EDR: 12/15/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 26

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/26/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 10/15/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

INST CONTROL: Sites With Activity and Use Limitation

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 10/12/2012 Date Data Arrived at EDR: 10/16/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 31

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 10/16/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Quarterly

#### State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012 Date Data Arrived at EDR: 10/02/2012 Date Made Active in Reports: 10/16/2012

Number of Days to Update: 14

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 10/02/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 10/24/2012 Date Data Arrived at EDR: 10/26/2012 Date Made Active in Reports: 11/05/2012

Number of Days to Update: 10

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 12/11/2012

Next Scheduled EDR Contact: 01/07/2013 Data Release Frequency: Semi-Annually

#### Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/03/2012

Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 11/05/2012

Next Scheduled EDR Contact: 02/18/2013 Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains 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 Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/11/2012 Date Data Arrived at EDR: 09/12/2012 Date Made Active in Reports: 11/05/2012

Number of Days to Update: 54

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 12/03/2012

Next Scheduled EDR Contact: 03/18/2013 Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains 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 Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration Telephone: 202-307-1000

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012 Date Data Arrived at EDR: 03/26/2012 Date Made Active in Reports: 06/14/2012

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 11/01/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

LIENS: Liens Information Listing
A listing of environmental liens.

Date of Government Version: 06/21/2012 Date Data Arrived at EDR: 08/29/2012 Date Made Active in Reports: 09/28/2012

Number of Days to Update: 30

Source: Department of Environmental Protection

Telephone: 617-292-5628 Last EDR Contact: 11/26/2012

Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

#### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012 Date Data Arrived at EDR: 04/03/2012 Date Made Active in Reports: 06/14/2012

Number of Days to Update: 72

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 10/02/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Annually

MA SPILLS: Historical Spill List

The Spills Database was the release notification tracking system for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the Reportable Releases or Sites Transition List databases.

Date of Government Version: 09/30/1993 Date Data Arrived at EDR: 12/03/2003 Date Made Active in Reports: 12/31/2003

Number of Days to Update: 28

Source: Department of Environmental Protection

Telephone: 617-292-5720 Last EDR Contact: 12/03/2003 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

RELEASE: Reportable Releases

Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 10/12/2012 Date Data Arrived at EDR: 10/16/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 31

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 10/16/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Quarterly

#### Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2012 Date Data Arrived at EDR: 10/04/2012 Date Made Active in Reports: 12/04/2012

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 11/29/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 11/06/2012

Next Scheduled EDR Contact: 02/18/2013 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/18/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 08/12/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 112

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 12/10/2012

Next Scheduled EDR Contact: 03/25/2013

Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/01/2012 Date Data Arrived at EDR: 07/24/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 10/01/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 02/27/2012 Date Data Arrived at EDR: 03/14/2012 Date Made Active in Reports: 06/14/2012

Number of Days to Update: 92

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/11/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/28/2012

Next Scheduled EDR Contact: 03/11/2013 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 09/08/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/05/2012

Next Scheduled EDR Contact: 03/18/2013 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 09/01/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 131

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/28/2012

Next Scheduled EDR Contact: 03/11/2013 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/29/2012

Next Scheduled EDR Contact: 01/07/2013 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the

Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 11/26/2012

Next Scheduled EDR Contact: 03/11/2013 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 11/26/2012

Next Scheduled EDR Contact: 03/11/2013 Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 11/01/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Annually

#### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011 Date Data Arrived at EDR: 11/10/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 10/19/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 11/10/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 98

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/19/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Annually

#### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011 Date Data Arrived at EDR: 07/15/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 60

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 12/10/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012 Date Data Arrived at EDR: 10/02/2012 Date Made Active in Reports: 11/05/2012

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 10/02/2012

Next Scheduled EDR Contact: 01/21/2013 Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011 Date Data Arrived at EDR: 12/13/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 79

Source: EPA

Telephone: (617) 918-1111 Last EDR Contact: 12/11/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Quarterly

#### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

**BRS: Biennial Reporting System** 

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/30/2012

Next Scheduled EDR Contact: 03/11/2013 Data Release Frequency: Biennially

NPDES: NPDES Permit Listing

Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.

Date of Government Version: 04/04/2012 Date Data Arrived at EDR: 05/22/2012 Date Made Active in Reports: 06/21/2012

Number of Days to Update: 30

Source: Department of Environmental Protection

Telephone: 508-767-2781 Last EDR Contact: 11/19/2012

Next Scheduled EDR Contact: 03/04/2013 Data Release Frequency: Varies

DRYCLEANERS: Regulated Drycleaning Facilities

A listing of Department of Environmental Protection regulated drycleaning facilities that use perchloroethylene under the Environmental Results Program.

Date of Government Version: 11/08/2012 Date Data Arrived at EDR: 11/08/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 8

Source: Department of Environmental Protection

Telephone: 617-292-5633 Last EDR Contact: 11/05/2012

Next Scheduled EDR Contact: 02/04/2013 Data Release Frequency: Varies

**ENFORCEMENT: Enforcement Action Cases** 

A listing of enforcement action cases tracked by Department of Environmental Protection programs, including Solid Waste and Hazardous Waste.

Date of Government Version: 08/01/2004 Date Data Arrived at EDR: 09/01/2004 Date Made Active in Reports: 10/01/2004

Number of Days to Update: 30

Source: Department of Environmental Quality

Telephone: 617-292-5979 Last EDR Contact: 11/05/2012

Next Scheduled EDR Contact: 02/18/2013 Data Release Frequency: Varies

AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 10/22/2012 Date Data Arrived at EDR: 10/24/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 23

Source: Department of Environmental Protection

Telephone: 617-292-5789 Last EDR Contact: 10/22/2012

Next Scheduled EDR Contact: 02/04/2013 Data Release Frequency: Varies

LEAD: Lead Inspection Database

The Massachusetts Childhood Lead Poisoning Prevention Program data of lead inspection for the state.

Date of Government Version: 10/03/2012 Date Data Arrived at EDR: 10/12/2012 Date Made Active in Reports: 11/16/2012

Number of Days to Update: 35

Source: Department of Health & Human Services, Childhood Lead Poisoning Prevention Progr

Telephone: 617-624-5757 Last EDR Contact: 12/10/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/18/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 10/22/2012

Next Scheduled EDR Contact: 02/04/2013 Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/21/2011 Date Data Arrived at EDR: 10/25/2011 Date Made Active in Reports: 11/18/2011

Number of Days to Update: 24

Source: Office of State Fire Marshal Telephone: 978-567-3100

Last EDR Contact: 10/22/2012 Next Scheduled EDR Contact: 02/04/2013

Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010 Date Data Arrived at EDR: 01/03/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/11/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Varies

FINANCIAL ASSURANCE 3: Financial Assurance Information listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 04/12/2012 Date Made Active in Reports: 05/11/2012

Number of Days to Update: 29

Source: Department of Environmental Protection

Telephone: 617-292-5970 Last EDR Contact: 12/10/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 10/16/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 11/02/2012

Next Scheduled EDR Contact: 02/11/2013 Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/01/2010 Date Data Arrived at EDR: 12/23/2010 Date Made Active in Reports: 02/03/2011

Number of Days to Update: 42

Source: Department of Environmental Protection

Telephone: 617-292-5970 Last EDR Contact: 12/10/2012

Next Scheduled EDR Contact: 03/25/2013 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/20/2012 Date Data Arrived at EDR: 08/28/2012 Date Made Active in Reports: 11/05/2012

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 11/16/2012

Next Scheduled EDR Contact: 03/04/2013 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/13/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 11/12/2012

Next Scheduled EDR Contact: 02/25/2013 Data Release Frequency: Quarterly

GWDP: Ground Water Discharge Permits

The Ground Water Discharge Permits datalayer (formerly known as Groundwater Discharge Points) is a statewide point dataset containing approximate locations of permitted discharges to groundwater.

Date of Government Version: 09/01/2011 Date Data Arrived at EDR: 11/08/2011 Date Made Active in Reports: 12/05/2011

Number of Days to Update: 27

Source: MassGIS Telephone: 617-556-1150 Last EDR Contact: 11/09/2012

Next Scheduled EDR Contact: 02/18/2013 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/18/2012

Next Scheduled EDR Contact: 01/28/2013

Data Release Frequency: N/A

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011 Date Data Arrived at EDR: 05/18/2012 Date Made Active in Reports: 05/25/2012

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 08/16/2012

Next Scheduled EDR Contact: 11/26/2012 Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012 Date Data Arrived at EDR: 10/04/2012 Date Made Active in Reports: 11/05/2012

Number of Days to Update: 32

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 10/04/2012

Next Scheduled EDR Contact: 01/14/2013 Data Release Frequency: Quarterly

## **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/20/2012 Date Data Arrived at EDR: 08/20/2012 Date Made Active in Reports: 09/20/2012

Number of Days to Update: 31

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/19/2012

Next Scheduled EDR Contact: 03/04/2013 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/19/2012 Date Made Active in Reports: 08/28/2012

Number of Days to Update: 40

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 10/16/2012

Next Scheduled EDR Contact: 01/28/2013 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 11/01/2012 Date Data Arrived at EDR: 11/07/2012 Date Made Active in Reports: 12/11/2012

Number of Days to Update: 34

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/07/2012

Next Scheduled EDR Contact: 02/18/2013 Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/23/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 57

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 10/22/2012

Next Scheduled EDR Contact: 02/04/2013 Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 06/22/2012 Date Made Active in Reports: 07/31/2012

Number of Days to Update: 39

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/26/2012

Next Scheduled EDR Contact: 03/11/2013 Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.

Date of Government Version: 08/09/2012 Date Data Arrived at EDR: 08/15/2012 Date Made Active in Reports: 09/13/2012

Number of Days to Update: 29

Source: Department of Environmental Conservation

Telephone: 802-241-3443 Last EDR Contact: 10/22/2012

Next Scheduled EDR Contact: 02/04/2013 Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/19/2012 Date Made Active in Reports: 09/27/2012

Number of Days to Update: 70

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/18/2012

Next Scheduled EDR Contact: 12/31/2012 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: Rextag Strategies Corp. Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

#### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Areas of Critical Environmental Concern Datalayer: The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

WESTBOROUGH STATE HOSPITAL CAMPUS-WEST/NORTHBOROUGH 288 LYMAN STREET WESTBOROUGH, MA 01581

#### **TARGET PROPERTY COORDINATES**

Latitude (North): 42.3025 - 42° 18' 9.00" Longitude (West): 71.6115 - 71° 36' 41.40"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 284736.0 UTM Y (Meters): 4686452.5

Elevation: 285 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 42071-C5 MARLBOROUGH, MA

Most Recent Revision: 1983

West Map: 42071-C6 SHREWSBURY, MA

Most Recent Revision: 1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

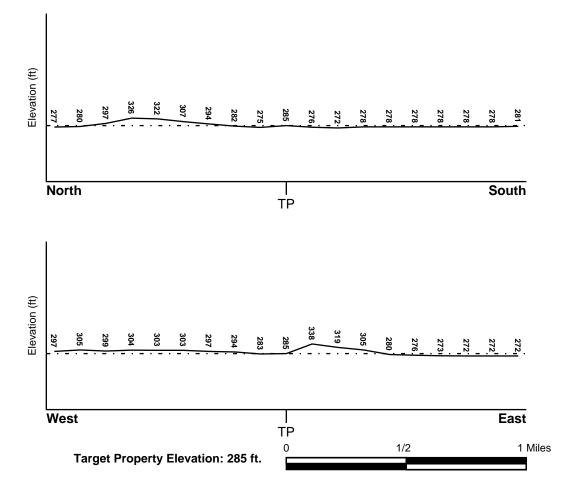
### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE** 

FEMA Flood

<u>Target Property County</u> <u>Electronic Data</u>

WORCESTER, MA

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2503440002B - FEMA Q3 Flood data

Additional Panels in search area: 2503210002B - FEMA Q3 Flood data

2503210005B - FEMA Q3 Flood data 2503440001B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

MARLBOROUGH YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

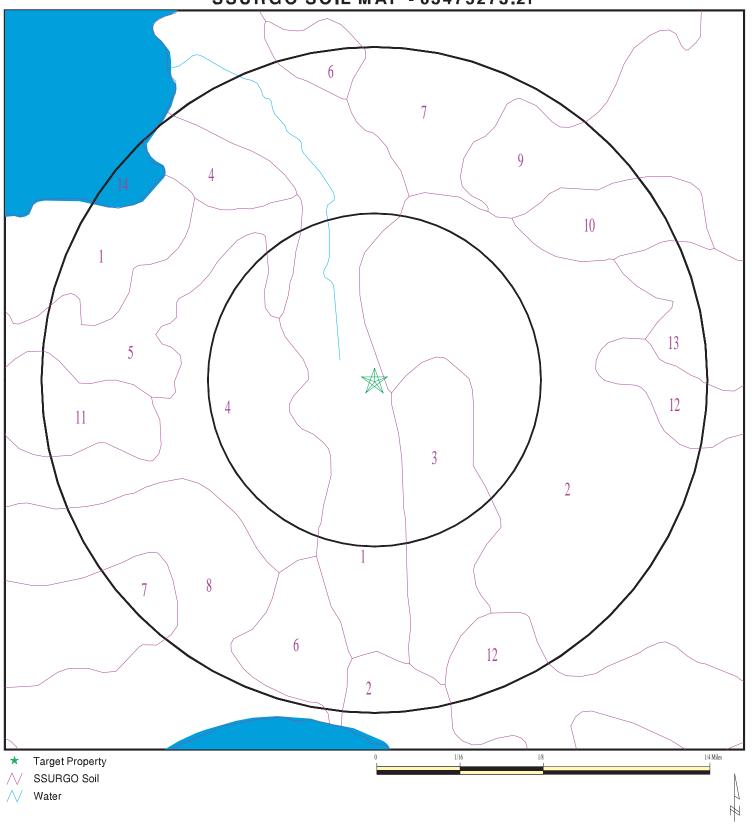
Era: Paleozoic Category: Eugeosynclinal Deposits

System: Ordovician Series: Ordovician

Code: Oe (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 03475273.2**r



SITE NAME: Westborough State Hospital Campus-West/Northborough CLIENT: Shaw Environmental & Infrastructure CONTACT: Sheila Barry Westborough MA 01581 INQUIRY #: 03475273.2r DATE: December 12, 2012 1:48 pm

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Freetown

Soil Surface Texture: muck

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

	Soil Layer Information									
	Bou	ndary		Classif	ication	Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)			
1	0 inches	3 inches	muck	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: Min:			
2	3 inches	59 inches	muck	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: Min:			

Soil Map ID: 2

Soil Component Name: Paxton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

	Soil Layer Information									
	Boundary			Classification		Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec				
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5			
2	5 inches	27 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5			
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5			

## Soil Map ID: 3

Soil Component Name: Paxton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

	Soil Layer Information									
	Bou	ndary		Classif	ication	Saturated hydraulic	Soil Reaction (pH)			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil					
1	5 inches	27 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5			
2	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5			

	Soil Layer Information										
	Bour	ndary		Classif	Classification						
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)				
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5				

Soil Map ID: 4

Soil Component Name: Agawam

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information									
	Bou	ındary		Classification		Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)			
1	0 inches	7 inches	fine sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5			
2	7 inches	25 inches	fine sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5			
3	25 inches	29 inches	stratified very gravelly coarse sand to gravelly loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5			
4	29 inches	59 inches	stratified very gravelly coarse sand to very gravelly loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5			

Soil Map ID: 5

Soil Component Name: Merrimac

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information									
Layer	Boundary			Classification		Saturated hydraulic				
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)			
1	0 inches	1 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6			
2	1 inches	14 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6			
3	14 inches	24 inches	gravelly sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6			
4	24 inches	59 inches	stratified sand to gravel	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6			

Soil Map ID: 6

Soil Component Name: Walpole

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

	Soil Layer Information									
	Воц	ındary	ver Soil Texture Class AASHTO Group Unified Soil	dary	Saturated hydraulic					
Layer	Upper	Lower		AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)			
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 7.3 Min: 4.5			
2	5 inches	22 inches	sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 7.3 Min: 4.5			
3	22 inches	59 inches	gravelly loamy sand	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 7.3 Min: 4.5			

Soil Map ID: 7

Soil Component Name: Merrimac

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
Layer	Boundary			Classification		Saturated hydraulic			
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	1 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6		
2	1 inches	14 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6		
3	14 inches	24 inches	gravelly sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6		
4	24 inches	59 inches	stratified sand to gravel	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6		

Soil Map ID: 8

Soil Component Name: Sudbury

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

	Soil Layer Information						
Boundary				Classification		Saturated hydraulic	
Layer Upper Lower Soil Texture		Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
1	9 inches	18 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 14.11	Max: 6 Min: 3.6
2	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 14.11	Max: 6 Min: 3.6
3	18 inches	24 inches	gravelly loamy sand	Not reported	Not reported	Max: 141.14 Min: 14.11	Max: 6 Min: 3.6
4	24 inches	59 inches	gravelly sand	Not reported	Not reported	Max: 141.14 Min: 14.11	Max: 6 Min: 3.6

Soil Map ID: 9

Soil Component Name: Whitman

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Boundary				Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	9 inches	18 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6.5 Min: 4.5
2	18 inches	59 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6.5 Min: 4.5
3	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6.5 Min: 4.5

Soil Map ID: 10

Soil Component Name: Woodbridge

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

**Soil Layer Information** Saturated **Boundary** Classification hydraulic conductivity **Unified Soil Soil Reaction** Upper Lower Soil Texture Class **AASHTO Group** Layer micro m/sec (pH) Not reported Max: 1.41 Max: 6 Min: 1 0 inches 9 inches fine sandy loam Not reported Min: 0 4.5 2 9 inches 22 inches sandy loam Not reported Not reported Max: 1.41 Max: 6 Min: Min: 0 4.5 3 Max: 6 Min: 22 inches 59 inches sandy loam Not reported Not reported Max: 1.41 Min: 0 4.5

Soil Map ID: 11

Soil Component Name: Agawam

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	7 inches	fine sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
2	7 inches	25 inches	fine sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
3	25 inches	29 inches	stratified very gravelly coarse sand to gravelly loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5
4	29 inches	59 inches	stratified very gravelly coarse sand to very gravelly loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 6.5 Min: 4.5

Soil Map ID: 12

Soil Component Name: Paxton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

	Soil Layer Information						
Boundary				Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	5 inches	27 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 13

Soil Component Name: Udorthents

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 14

Soil Component Name: Water

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

### **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	USGS3309056	1/8 - 1/4 Mile NNW
A2	USGS3309050	1/8 - 1/4 Mile NW
3	USGS3309064	1/8 - 1/4 Mile NNW
4	USGS3309017	1/4 - 1/2 Mile SSW
5	USGS3309011	1/2 - 1 Mile SW
6	USGS3309015	1/2 - 1 Mile ESE
7	USGS3309007	1/2 - 1 Mile SE
B8	USGS3309117	1/2 - 1 Mile North
B10	USGS3309124	1/2 - 1 Mile North
C11	USGS3309118	1/2 - 1 Mile NNW
C12	USGS3309121	1/2 - 1 Mile NNW
13	USGS3309001	1/2 - 1 Mile SE
14	USGS3309122	1/2 - 1 Mile NNW
16	USGS3308980	1/2 - 1 Mile SSE
D17	USGS3308968	1/2 - 1 Mile SSW
D18	USGS3308969	1/2 - 1 Mile SSW
20	USGS3308962	1/2 - 1 Mile South
21	USGS3308967	1/2 - 1 Mile SSW
D22	USGS3308963	1/2 - 1 Mile SSW
23	USGS3308966	1/2 - 1 Mile SSE
24	USGS3309137	1/2 - 1 Mile NNW

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
25	USGS3308960	1/2 - 1 Mile South
E26	USGS3309143	1/2 - 1 Mile NNW
27	USGS3308977	1/2 - 1 Mile SE
28	USGS3309021	1/2 - 1 Mile ESE
29	USGS3309129	1/2 - 1 Mile NNW
30	USGS3308953	1/2 - 1 Mile South
32	USGS3308956	1/2 - 1 Mile SSW
E33	USGS3309146	1/2 - 1 Mile NNW
E34	USGS3309147	1/2 - 1 Mile NNW
35	USGS3309140	1/2 - 1 Mile NNW
36	USGS3309076	1/2 - 1 Mile WNW

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

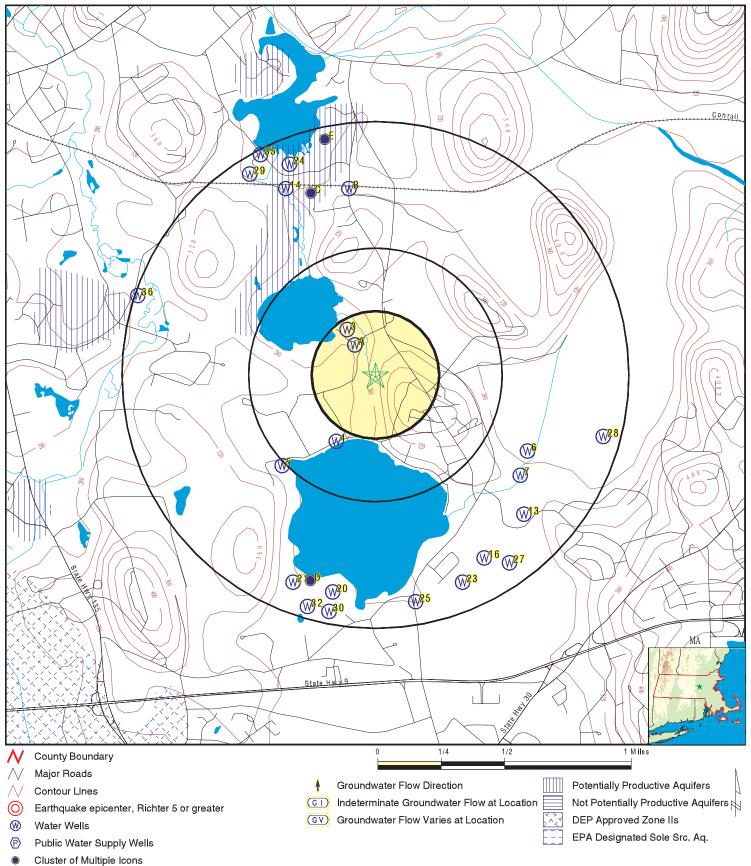
#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C9	MA700000	1/2 - 1 Mile NNW
D15	MA700000003109	1/2 - 1 Mile SSW
D19	MA700000003110	1/2 - 1 Mile SSW
E31	MA700000003244	1/2 - 1 Mile North

### OTHER STATE DATABASE INFORMATION

ACEC ID	AREA NAME
1	WESTBORO CEDAR SWAMP

# PHYSICAL SETTING SOURCE MAP - 03475273.2r



SITE NAME: Westborough State Hospital Campus-West/NorthboroughCLIENT: Shaw Environmental & Infrastructure

ADDRESS: 288 Lyman Street

Westborough MA 01581 LAT/LONG: 42.3025 / 71.6115 CONTACT: Sheila Barry INQUIRY #: 03475273.2r DATE: December 12

TE: December 12, 2012 1:48 pm

Map ID Direction Distance

Elevation Database EDR ID Number

A1 NNW FED USGS USGS3309056

1/8 - 1/4 Mile Lower

Agency cd: USGS Site no: 421816071364501

Site name: MA-WRW 149

USGS3309056 Latitude: 421816 EDR Site id: 42.3044444 Longitude: 0713645 Dec lat: Dec Ion: -71.6125 Coor meth: G NAD83 Coor accr: S Latlong datum: Dec latlong datum: NAD83 District: 25 25 017 County: State:

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: Not Reported
Altitude method: Not Reported
Altitude accuracy: Not Reported
Altitude datum: Not Reported

Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Not Reported

Site type: Ground-water other than Spring Date construction: 20010814

Date inventoried: Date construction: 20010814

Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: Not Reported Hole depth: 61

Source of depth data: Not Reported Project number: 442518000

Daily flow data begin date: Not Reported Real time data flag: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data count: Water quality data end date:Not Reported Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

A2 NW FED USGS USGS3309050

NW 1/8 - 1/4 Mile Higher

Agency cd: USGS Site no: 421814071365101

Site name: MA-NUA 7

 Latitude:
 421814
 EDR Site id:
 USGS3309050

 Longitude:
 0713651
 Dec lat:
 42.30398278

 Dec lon:
 -71.61367778
 Coor meth:
 M

NAD27 Coor accr: S Latlong datum: NAD83 District: 25 Dec latlong datum: State: County: 027 25 US Not Reported Country: Land net:

Location map: MARLBOROUGH, MA Map scale: 25000

Altitude: 290

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19891030

Date inventoried: 19891030 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Test hole, not completed as a well

Aquifer Type: Not Reported

Aquifer: STRATIFIED DEPOSITS, UNDIFFERENTIATED

Well depth: 60 Hole depth: 60

Source of depth data: geologist

Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1989-10-30 Ground water data end date: 1989-10-30

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

3 NNW FED USGS USGS3309064 1/8 - 1/4 Mile

Lower

Agency cd: USGS Site no: 421818071365101

Site name: MA-NUA 8

 Latitude:
 421818
 EDR Site id:
 USGS3309064

 Longitude:
 0713651
 Dec lat:
 42.30509389

 Dec Ion:
 -71.61367778
 Coor meth:
 M

 Dec Ion:
 -71.61367778
 Coor meth:
 IM

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBOROUGH, MA Map scale: 25000

Altitude: 280

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19891030

Date inventoried: 19891030 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Test hole, not completed as a well

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 85 Hole depth: 85

Source of depth data: geologist Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data count: 0 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1989-10-30 Ground water data end date: 1989-10-30

Ground water data count:

Ground-water levels, Number of Measurements: 0

4 SSW FED USGS USGS3309017

1/4 - 1/2 Mile Lower

Agency cd: USGS Site no: 421755071365401

 Site name:
 MA-WRA
 4

 Latitude:
 421755
 EDR Site id:
 USGS3309017

Longitude: 0713654 Dec lat: 42.298705 Dec Ion: -71.6145111 Coor meth: Latlong datum: NAD27 Coor accr: S Dec latlong datum: NAD83 District: 25 State: 25 County: 027

Country: US Land net: Not Reported

Location map: MARLBOROUGH Map scale: 25000

Altitude: 290

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19891031

Date inventoried: 19891031 Date construction: 19891031

Local standard time flag: Y

Type of ground water site: Test hole, not completed as a well

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 41 Hole depth: 41

Source of depth data: geologist
Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1989-10-31 Ground water data end date: 1989-10-31

Ground water data count:

Ground-water levels, Number of Measurements: 0

5 SW FED USGS USGS3309011

1/2 - 1 Mile Lower

Agency cd: **USGS** Site no: 421750071370901

Site name: MA-WRA 3

Latitude: 421750 EDR Site id: USGS3309011 Longitude: 0713709 Dec lat: 42.2973161 Dec Ion: -71.61867778 Coor meth: М Latlong datum: NAD27 Coor accr: S

Dec latlong datum: NAD83 District: 25 County: 027 US

Not Reported Country: Land net:

Location map: MARLBOROUGH 25000 Map scale:

Altitude: 290

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Hillside (slope)

Site type: Ground-water other than Spring Date construction: 19891031 19891031 Date inventoried: Mean greenwich time offset: **EST** 

Υ Local standard time flag:

Type of ground water site: Test hole, not completed as a well

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 31 Hole depth: 31

Source of depth data: geologist 442508600 Project number:

Real time data flag: Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Peak flow data count: Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1989-10-31 Ground water data end date: 1989-10-31

Ground water data count:

Ground-water levels, Number of Measurements: 0

**FED USGS** USGS3309015 **ESE** 

1/2 - 1 Mile Lower

> Agency cd: **USGS** Site no: 421753071360101

MA-WRW 98 Site name: Latitude: 421753 EDR Site id: USGS3309015 Longitude: 0713601 Dec lat: 42.2981497

Dec Ion: -71.5997886 Coor meth: Coor accr: Latlong datum: NAD27 Dec latlong datum: NAD83 25 District: 027 25 County: State:

Country: US Land net: Not Reported Location map: **MARLBORO** Map scale: 24000

Altitude: 280.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

National Geodetic Vertical Datum of 1929 Altitude datum: Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Lake, swamp or marsh

Site type: Ground-water other than Spring Date construction: 19730117 Date inventoried: Mean greenwich time offset: Not Reported EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 31.5 Hole depth: 31.5

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1973-01-17 Ground water data end date: 1973-01-17

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

7 SE FED USGS USGS3309007 1/2 - 1 Mile

1/2 - 1 M Lower

Agency cd: USGS Site no: 421748071360301

Site name: MA-WRW 99

 Latitude:
 421748
 EDR Site id:
 USGS3309007

 Longitude:
 0713603
 Dec lat:
 42.2967608

 Dec lon:
 -71.6003442
 Coor meth:
 M

 Dec Ion.
 -71.0003442
 Coof Intell.
 IM

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Lucation map. Wind Scale. 24000

Altitude: 281.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929
Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 19730118

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 27.0 Hole depth: 27.0

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1973-01-18 Ground water data end date: 1973-01-18

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Elevation Database EDR ID Number

B8
North FED USGS USGS3309117
1/2 - 1 Mile

Higher

Agency cd: USGS Site no: 421846071365201

Site name: MA-NUW 33 Latitude: 421846

USGS3309117 EDR Site id: Longitude: 0713652 Dec lat: 42.31287167 Dec Ion: -71.6139556 Coor meth: Μ Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 25 027 25 County: State:

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 24000

Altitude: 311.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 190001
Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 54.0 Hole depth: 54.0

Source of depth data: other
Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Peak flow data count: 0 Water quality data begin date: 1963-04-12

Water quality data end date:1963-04-12 Water quality data count:

Ground water data begin date: 1962-08-16 Ground water data end date: 1962-08-16

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

C9
NNW
MA WELLS
MA700000003223
1/2 - 1 Mile

Lower

Objectid: 267

Fac name: NEWCORR PACKAGING

Address: 66 LYMAN ST

Town: NORTHBOROUGH Region: 2

Rtn: Not Reported Hw id: MAV000016968

Sw id: Not Reported Sseis id: 1180227

Npdes id:Not ReportedAir:Not ReportedGwd:Not ReportedHwr:Not ReportedLqg ma:Not ReportedLqg rcra:Not ReportedLqtu:YTsdf:Not Reported

Swd: Not Reported Fac id: 177054

Source id: Not Reported Site name: Not Reported

Latitude: 0 Longitude: 0

Type: Not Reported Zii num: 0

Pws id: Not Reported Site id: MA7000000003223

Objectid: 368

Base Map: Digitized on screen using digital orthophoto base map (DOQ)

L acc est: Estimated horizontal accuracy is+/-1000 ft (305m)

L type: CB
L meth: MAP
L src 1: UNK

L src 2: Not Reported
L src 3: Not Reported
L date: Not Reported
Fac id: 177054

B10
North
1/2 - 1 Mile
FED USGS USGS3309124

Lower

Agency cd: USGS Site no: 421848071364901

Site name: MA-NUW 84

 Latitude:
 421848
 EDR Site id:
 USGS3309124

 Longitude:
 0713649
 Dec lat:
 42.3134272

 Dec lon:
 -71.6131222
 Coor meth:
 M

 Dec loil.
 77.0131222
 Coor Hell.
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Altitude: 282.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: local depression

Site type: Ground-water other than Spring Date construction: 195812

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 55.3 Hole depth: 55.3

Source of depth data: Not Reported Project number: 5442504200

Not Reported Real time data flag: Not Reported Daily flow data begin date: Daily flow data count: Not Reported Daily flow data end date: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Elevation Database EDR ID Number

C11 NNW FED USGS USGS3309118

1/2 - 1 Mile Lower

Agency cd: USGS Site no: 421846071370201

Site name: MA-NUW 34

USGS3309118 Latitude: 421846 EDR Site id: Longitude: 0713702 Dec lat: 42.31287167 Dec Ion: -71.6167336 Coor meth: Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 25

State: 25 County: 027
Country: US Land net: Not Reported

Location map:

MARLBOROUGH

Map scale:

Not Repol

Altitude: 295.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 196205

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 35.0 Hole depth: 35.0

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1962-05-01 Ground water data end date: 1962-05-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

C12
NNW
FED USGS USGS3309121
1/2 - 1 Mile

Higher

Agency cd: USGS Site no: 421847071370101

Site name: MA-NUW 85

 Latitude:
 421847
 EDR Site id:
 USGS3309121

 Longitude:
 0713701
 Dec lat:
 42.31314944

 Dec lon:
 -71 6164556
 Coor meth:
 M

 Dec Ion:
 -71.6164556
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Altitude: 300.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Undulating Topographic:

Site type: Ground-water other than Spring Date construction: 195812 Date inventoried: Not Reported Mean greenwich time offset: **EST** 

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer:

Not Reported

Well depth: 26.0 Hole depth: 57.2

Source of depth data: Not Reported 5442504200 Project number:

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date: Not Reported Water quality data count: Not Reported Ground water data end date: Not Reported Ground water data begin date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

**FED USGS** USGS3309001

1/2 - 1 Mile Lower

> **USGS** 421740071360201 Agency cd: Site no:

Site name: MA-WRW 55

EDR Site id: USGS3309001 Latitude: 421740 Longitude: 0713602 Dec lat: 42.2945386 Dec Ion: -71.60006639 Coor meth: M Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 25 State: 25 County: 027

Country: US Land net: Not Reported Location map: **MARLBORO** Map scale: 24000

Altitude: 286.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 19560924 Not Reported Date inventoried: Mean greenwich time offset: **EST** 

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 42.0 Hole depth: 42.0

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

0000-00-00 Daily flow data end date: Daily flow data count:

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data count: 0 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1956-09-24 Ground water data end date: 1956-09-24

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

14
NNW FED USGS USGS3309122
1/2 - 1 Mile

1/2 - 1 Mile Lower

Agency cd: USGS Site no: 421847071370801

 Site name:
 MA-NUW
 86

 Latitude:
 421847
 EDR Site id:
 USGS3309122

Longitude: 0713708 Dec lat: 42.31314944 Dec Ion: -71.61840028 Coor meth: NAD27 Coor accr: S Latlong datum: NAD83 Dec latlong datum: District: 25 State: 25 County: 027

Country: US Land net: Not Reported

Location map: MARLBORO Map scale: 24000

Altitude: 285.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 19581231
Date inventoried: Not Reported Date construction: 19581231
Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 41.0 Hole depth: 44.5

Source of depth data: Not Reported Project number: 5442504200

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

D15
SSW
MA WELLS MA700000003109
1/2 - 1 Mile

Lower

Objectid: 1816
Fac name: Not Reported
Address: Not Reported

Town: WESTBOROUGH Region: 2

Rtn: Not Reported Hw id: Not Reported

Sw id: Not Reported

Sseis id: 0

Npdes id: Not Reported Air: Not Reported Not Reported Not Reported Gwd: Hwr: Lqg ma: Not Reported Lqg rcra: Not Reported Not Reported Tsdf: Not Reported Lqtu:

TC03475273.2r Page A-27

Swd: Not Reported

Fac id: 0

Source id: 2328000-08G Site name: CHAUNCY LAKE WELL #2

Latitude: 42.29090078 Longitude: -71.61594496

Type: GW Zii num: 404

Pws id: 2328000 Site id: MA7000000003109

Objectid: 1816

Source id: 2328000-08G

Base Map: Digitized on screen from USGS digital topographic quadrangle (DTQ)

L acc est: Estimated horizontal accuracy is+L=300eft (152.4m) Approximate location of public water supply (PWS) groundw

L meth: MAP

L src 1: Locus map based on USGS topographic quadrangle map

L src 2: Not Reported L src 3: Not Reported

Objectid: 2579

Source id: 2328000-08G Pws name: WESTBOROUGH WATER DEPARTMENT

S name: CHAUNCY LAKE WELL #2 Pws status: A

S status: A Pws class: Community surface and groundwater sources

S availabi: ACTIVE

Objectid: 7

Town: WESTBOROUGH Wellname: CHAUNCY LAKE WELL #2

Purveyor: WESTBOROUGH WATER DEPTBasin: CONCORD

Region: Central Method: ANALYTICAL/UNIFORM FL

UNCONFINED Aquifer: Prg: NSA Sub date: 09/01/1995 App date: 07/02/1998 Gpm: 550 Status: Current System: Community Whp cntrl: Not Reported Bylaw date: Not Reported Source id: 2328000-08G

Zii num: 404

SSE FED USGS USGS3308980

1/2 - 1 Mile Higher

Agency cd: USGS Site no: 421731071361301

Site name: MA-WRW 135

 Latitude:
 421731
 EDR Site id:
 USGS3308980

 Longitude:
 0713613
 Dec lat:
 42.2920386

 Dec Ion:
 -71.6031219
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 25000

Altitude: 295

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: 19811030

Date inventoried: 19811030 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 60 Hole depth: 65

Source of depth data: driller
Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00
Peak flow data count: 0 Peak flow data end date: 0000-00-00
Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1981-10-30 Ground water data end date: 1981-10-30

Ground water data count:

Ground-water levels, Number of Measurements: 0

D17
SSW FED USGS USGS3308968
1/2 - 1 Mile

Lower

Agency cd: USGS Site no: 421727071370201

Site name: MA-WRW 111

 Latitude:
 421727
 EDR Site id:
 USGS3308968

 Longitude:
 0713702
 Dec lat:
 42.2909275

 Dec lon:
 -71.6167333
 Coor meth:
 M

 Dec Ion.
 171.0107333
 Coof Intell.
 IM

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Altitude: 283.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: 19730305

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 35.0 Hole depth: 42.8

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1973-03-05 Ground water data end date: 1973-03-05

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Elevation Database EDR ID Number

D18 SSW FED USGS USGS3308969

1/2 - 1 Mile Lower

Agency cd: USGS Site no: 421727071370301

Site name: MA-WRW 122

421727 EDR Site id: USGS3308969 Latitude: Longitude: 0713703 Dec lat: 42.2909275 Dec Ion: -71.6170111 Coor meth: Μ Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 25 District: 027 25 County: State:

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 25000

Altitude: 285

Allitude. 200

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: 19820701 Date inventoried: Date inventoried: Date construction: 19820701 Date inventoried: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 32 Hole depth: 36

Source of depth data: driller
Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date:0000-00-00Peak flow data end date:0000-00-00Peak flow data count:0Water quality data begin date:0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1982-07-01 Ground water data end date: 1982-07-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

D19 SSW MA WELLS MA700000003110

Hw id:

1/2 - 1 Mile Lower

Objectid:

Fac name: Not Reported
Address: Not Reported

Town: WESTBOROUGH Region: 2

Rtn: Not Reported Sw id: Not Reported

1755

Sseis id: 0

Npdes id: Not Reported Air: Not Reported Gwd: Not Reported Hwr: Not Reported Lqg ma: Not Reported Lqg rcra: Not Reported Not Reported Not Reported Lqtu: Tsdf:

Not Reported

Swd: Not Reported

Fac id: 0

Source id: 2328000-07G Site name: CHAUNCY LAKE WELL #1

Latitude: 42.29090653 Longitude: -71.61693246

Type: GW Zii num: 404

Pws id: 2328000 Site id: MA7000000003110

Objectid: 1755

Source id: 2328000-07G

Base Map: Digitized on screen from USGS digital topographic quadrangle (DTQ)

L acc est: Estimated horizontal accuracy is+L=300eft (152.4m) Approximate location of public water supply (PWS) groundw

L meth: MAP

L src 1: Locus map based on USGS topographic quadrangle map

L src 2: Not Reported L src 3: Not Reported

Objectid: 2578

Source id: 2328000-07G Pws name: WESTBOROUGH WATER DEPARTMENT

S name: CHAUNCY LAKE WELL #1 Pws status: A

S status: A Pws class: Community surface and groundwater sources

S availabi: ACTIVE

Objectid: 6

Town: WESTBOROUGH Wellname: CHAUNCY LAKE #1/APP=350GPM

Purveyor: WESTBOROUGH WATER DEPTBasin: CONCORD

Region: Central Method: ANALYTICAL/UNIFORM FL

UNCONFINED Aquifer: Prg: NSA Sub date: 09/01/1995 App date: 07/02/1998 Gpm: 420 Status: Current System: Community Whp cntrl: Not Reported Bylaw date: Not Reported Source id: 2328000-07G

Zii num: 404

20 South FED USGS USGS3308962 1/2 - 1 Mile

Higher

Agency cd: USGS Site no: 421724071365501

Site name: MA-WRW 140

 Latitude:
 421724
 EDR Site id:
 USGS3308962

 Longitude:
 0713655
 Dec lat:
 42.29009417

 Dec Ion:
 -71.61478889
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 25000

Altitude: 300

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19820224

Date inventoried: 19820227 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 50 Hole depth: 77

Source of depth data: driller
Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1982-02-24 Ground water data end date: 1982-02-24

Ground water data count:

Ground-water levels, Number of Measurements: 0

21 SSW FED USGS USGS3308967 1/2 - 1 Mile

Lower

Agency cd: USGS Site no: 421726071370601

Site name: MA-WRW 141

Latitude: 421726 EDR Site id: USGS3308967 Longitude: 0713706 Dec lat: 42.2906497 Dec Ion: -71.6178444 Coor meth: NAD27 Coor accr: S Latlong datum: Dec latlong datum: NAD83 District: 25 State: 25 County: 027

Country: US Land net: Not Reported

Location map: MARLBOROUGH Map scale: 25000

Altitude: 285

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Hillside (slope)

Site type: Ground-water other than Spring Date construction: 19820310

Date inventoried: Date construction: 19820310

Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 34 Hole depth: 34

Source of depth data: driller
Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1982-03-10 Ground water data end date: 1982-03-10

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Elevation Database EDR ID Number

D22 SSW FED USGS USGS3308963 1/2 - 1 Mile

Higher

Agency cd: USGS Site no: 421724071365901

Site name: MA-WRW 110

USGS3308963 Latitude: 421724 EDR Site id: Longitude: 0713659 Dec lat: 42.29009417 Dec Ion: -71.6159 Coor meth: Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: District: 25 027 25 County: State:

Country: US Land net: Not Reported

Location map: MARLBORO Map scale: 24000

Altitude: 301.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19730228

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 70.0 Hole depth: 70.0

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date:0000-00-00Peak flow data end date:0000-00-00Peak flow data count:0Water quality data begin date:0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1973-02-28 Ground water data end date: 1973-02-28

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

23 SSE FED USGS USGS3308966 1/2 - 1 Mile

Higher

Agency cd: USGS Site no: 421726071361901

Site name: MA-WRW 136

Latitude: 421726 EDR Site id: USGS3308966 Longitude: 0713619 Dec lat: 42.2906497 Dec Ion: -71.6047886 Coor meth: М NAD27 Coor accr: S Latlong datum: NAD83 District: 25 Dec latlong datum: State: County: 027 25

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 25000

Altitude: 290

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: 19811104 Date inventoried: 19811104 Date inventoried: 19811104 Date construction: 19811104 Date construction: 19811104

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 53 Hole depth: 53

Source of depth data: driller

Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1981-11-04 Ground water data end date: 1981-11-04

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

NNW FED USGS USGS3309137 1/2 - 1 Mile

Lower

Agency cd: USGS Site no: 421852071370701

Site name: MA-NUW 93

EDR Site id: USGS3309137 Latitude: 421852 42.3145383 Longitude: 0713707 Dec lat: Dec Ion: -71.6181225 Coor meth: M Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 25 State: 25 County: 027

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Altitude: 275.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 195901
Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 36.0 Hole depth: 38.0

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported

Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date: Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

South **FED USGS** USGS3308960 1/2 - 1 Mile

Lower

Agency cd: **USGS** Site no: 421722071363201

Site name: MA-WRX 35 EDR Site id: Latitude: 421722 USGS3308960

Longitude: 0713632 Dec lat: 42.2895386 Dec Ion: -71.6083997 Coor meth: NAD27 Coor accr: S Latlong datum: Dec latlong datum: NAD83 District: 25 State: 25 County: 027

US Land net: Not Reported Country: Location map: **MARLBORO** Map scale: 24000

Altitude: 285.00

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Lake, swamp or marsh

Site type: Ground-water other than Spring Date construction: 195801 Date inventoried: Not Reported Mean greenwich time offset: **EST** 

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 21.0 Hole depth: 21.0

Source of depth data: Not Reported Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Peak flow data count: Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1958-01-01 Ground water data end date: 1958-01-01

Ground water data count:

Ground-water levels, Number of Measurements: 0

**FED USGS** USGS3309143 NNW

1/2 - 1 Mile Lower

0

Agency cd: USGS Site no: 421855071365701

Site name: MA-NUW 92

 Latitude:
 421855
 EDR Site id:
 USGS3309143

 Longitude:
 0713657
 Dec lat:
 42.31537167

 Dec Ion:
 -71.6153444
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Altitude: 276.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 19590109

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 46.0 Hole depth: 51.0

Source of depth data: Not Reported Project number: 5442504200

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

27 SE FED USGS USGS3308977

1/2 - 1 Mile Lower

Agency cd: USGS Site no: 421730071360601

Site name: MA-WRW 137

 Latitude:
 421730
 EDR Site id:
 USGS3308977

 Longitude:
 0713606
 Dec lat:
 42.2917608

 Dec Ion:
 -71.6011775
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 25000

Altitude: 295

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: 19811111

Date inventoried: 19811111 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 62 Hole depth: 62

Source of depth data: driller
Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00
Peak flow data count: 0 Peak flow data end date: 0000-00-00
Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1981-11-11 Ground water data end date: 1981-11-11

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

28
ESE FED USGS USGS3309021
1/2 - 1 Mile

1/2 - 1 N Lower

Agency cd: USGS Site no: 421756071354001

Site name: MA-WRW 97

 Latitude:
 421756
 EDR Site id:
 USGS3309021

 Longitude:
 0713540
 Dec lat:
 42.29898306

Dec Ion: -71.593955 Coor meth: Μ NAD27 Coor accr: S Latlong datum: Dec latlong datum: NAD83 District: 25 State: 25 County: 027

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Altitude 070.00

Altitude: 279.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Lake, swamp or marsh

Site type: Ground-water other than Spring Date construction: 19730117 Date inventoried: Not Reported Date construction: 19730117

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 28.0 Hole depth: 30.0

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1973-01-17 Ground water data end date: 1973-01-17

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Elevation Database EDR ID Number

29 NNW 1/2 - 1 Mile

FED USGS USGS3309129

Lower

Agency cd: USGS Site no: 421850071371801

Site name: MA-NUW 87 Latitude: 421850

USGS3309129 EDR Site id: Longitude: 0713718 Dec lat: 42.31398278 Dec Ion: -71.621178 Coor meth: Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: District: 25 25 027 County: State:

Country: US Land net: Not Reported Location map: MARLBORO Map scale: 24000

Altitude: 285.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 195812

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 19.3 Hole depth: 19.3

Source of depth data: Not Reported Project number: 5442504200

Daily flow data begin date: Not Reported Real time data flag: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data count: Water quality data end date:Not Reported Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

South 1/2 - 1 Mile Higher

30

Agency cd: USGS Site no: 421720071365601

Site name: MA-WRW 139

 Latitude:
 421720
 EDR Site id:
 USGS3308953

 Longitude:
 0713656
 Dec lat:
 42.28898306

 Dec lon:
 -71 6150667
 Coor meth:
 M

Dec Ion: -71.6150667 Coor meth: NAD27 Coor accr: S Latlong datum: NAD83 District: 25 Dec latlong datum: State: County: 027 25 US

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 25000

**FED USGS** 

USGS3308953

Altitude: 300

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19820226 Date inventoried: 19820226 Mean greenwich time offset: **EST** 

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 76 Hole depth: 83

Source of depth data: driller

442508600 Project number:

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Peak flow data count: Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1982-02-26 Ground water data end date: 1982-02-26

Ground water data count:

Ground-water levels, Number of Measurements: 0

E31 MA700000003244 North **MA WELLS** 

1/2 - 1 Mile Lower

> 3616 Objectid: Fac name: Not Reported

Not Reported Address:

NORTHBOROUGH Town: Region:

Not Reported Rtn: Not Reported Hw id:

Sw id: Not Reported

Sseis id:

Npdes id: Not Reported Air: Not Reported Not Reported Gwd: Not Reported Hwr: Not Reported Lqg ma: Lqg rcra: Not Reported Lqtu: Not Reported Tsdf: Not Reported

Not Reported Swd:

Fac id: 0

Source id: 2215000-07G Site name: LYMAN STREET REPLACEMENT WELL

42.31611018 Latitude: -71.61444474

Longitude:

GW Zii num: 668 Type:

Pws id: 2215000 MA700000003244 Site id:

Objectid: 3616 Source id: 2215000-07G

Base Map: Digitized on screen using digital orthophoto base map (DOQ)

L acc est: Estimated horizontal accuracy is+L=1t0pet (30.5m)

L meth: MAP

L src 1: Locus map based on USGS topographic quadrangle map

L src 2: **TEXT** 

L src 3: MassGIS 1:5,000 digital orthophotography

TC03475273.2r Page A-39

Approximate location of public water supply (PWS) groundw

Objectid: 2225

Source id: 2215000-07G Pws name: NORTHBOROUGH WATER DEPARTMENT

S name: LYMAN STREET REPLACEMEN PWWEstatus: A

S status: A Pws class: Community surface and groundwater sources

S availabi: ACTIVE

Objectid: 1212

Town: NORTHBOROUGH Wellname: LYMAN STREET REPLCMNT WELL

Purveyor: NORTHBOROUGH WATER DEPBasin: ASSABET

Region: Central Method: ANALYTICAL/UNIFORM FL

UNCONFINED Aquifer: Prg: NSA Sub date: Not Reported App date: 11/15/2007 Gpm: 210 Status: Current System: Community Whp cntrl: Not Reported Bylaw date: Not Reported Source id: 2215000-07G

Zii num: 668

32 SSW FED USGS USGS3308956 1/2 - 1 Mile

Higher

Agency cd: USGS Site no: 421721071370201

Site name: MA-WRW 138

 Latitude:
 421721
 EDR Site id:
 USGS3308956

 Longitude:
 0713702
 Dec lat:
 42.2892608

Coor meth: Dec Ion: -71.6167333 M Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: District: 25 County: 027 State: 25

Country: US Land net: Not Reported Location map: MARLBOROUGH Map scale: 25000

Altitude: 290

Altitude method: Interpolated from topographic map

Altitude accuracy: 3

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19811019

Date inventoried: 19811019

Date construction: 19811019

Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 47 Hole depth: 73

Source of depth data: driller
Project number: 442508600

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0 Water quality data begin date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1981-10-19 Ground water data end date: 1981-10-19

Ground water data count: 1

Ground-water levels, Number of Measurements:  $\mathbf{0}$ 

Map ID Direction Distance

Database EDR ID Number Elevation

E33 NNW **FED USGS** USGS3309146

1/2 - 1 Mile Lower

> Agency cd: **USGS** Site no: 421858071365901

MA-NUW 91 Site name: Latitude: 421858

USGS3309146 EDR Site id: Longitude: 0713659 Dec lat: 42.316205 Dec Ion: -71.6159 Coor meth: Μ Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 25 027 25 County: State:

Not Reported Country: US Land net: **MARLBORO** Location map: Map scale: 24000

275.00 Altitude:

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 19590108 Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Not Reported Aquifer Type: Aquifer: Not Reported

Well depth: 45.0 Hole depth: 50.0

Source of depth data: Not Reported Project number: 5442504200

Daily flow data begin date: Not Reported Real time data flag: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data count: Water quality data end date:Not Reported Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

E34 NNW **FED USGS** USGS3309147 1/2 - 1 Mile

Lower

USGS Site no: 421858071365902 Agency cd:

**MA-NUW 119** Site name: Latitude: 421858

EDR Site id: USGS3309147 Longitude: 0713659 Dec lat: 42.316205 Dec Ion: -71.6159 Coor meth: М NAD27 Coor accr: S Latlong datum: NAD83 District: 25 Dec latlong datum: State: County: 027 25

US Not Reported Country: Land net: **MARLBORO** 24000 Location map: Map scale:

Altitude: 275.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 19630716

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 55.7 Hole depth: 64.1

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1963-07-16 Ground water data end date: 1963-07-16

Ground water data count:

Ground-water levels, Number of Measurements: 0

35 NNW FED USGS USGS3309140 1/2 - 1 Mile

Lower

Agency cd: USGS Site no: 421854071371501

Site name: MA-NUW 71

EDR Site id: USGS3309140 Latitude: 421854 Longitude: 0713715 Dec lat: 42.31509389 Dec Ion: -71.6203447 Coor meth: M Coor accr: S Latlong datum: NAD27

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 25

 State:
 25
 County:
 027

 Country:
 US
 Land net:
 Not Reported

Location map: MARLBOROUGH Map scale: 24000

Altitude: 280.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 19710416

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 20.5 Hole depth: 20.5

Source of depth data: Not Reported

Project number: 5442504200

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data count: 0 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1971-04-16 Ground water data end date: 1971-04-16

Ground water data count: 1

Ground-water levels, Number of Measurements: 0

36 WNW FED USGS USGS3309076

1/2 - 1 Mile Lower

Agency cd: USGS Site no: 421825071374901

 Site name:
 MA-NUW
 36

 Latitude:
 421825
 EDR Site id:
 USGS3309076

Longitude: 0713749 Dec lat: 42.3070383 Dec Ion: -71.6297894 Coor meth: Latlong datum: NAD27 Coor accr: S NAD83 Dec latlong datum: District: 25 State: 25 County: 027

Country: US Land net: Not Reported

Location map: SHREWSBURY Map scale: 24000

Altitude: 285.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Concord. Massachusetts. Area = 401 sq.mi.

Topographic: Alluvial or marine terrace

Site type: Ground-water other than Spring Date construction: 1957
Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: BEDROCK

Well depth: 75.0 Hole depth: 75.0

Source of depth data: Not Reported Project number: 5442504200

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Database EDR ID Number

MA\_ACECS\_ID 1

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 138.2

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 1,305.6

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 25.2

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 31.8

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 21.3

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 26.3

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 11.6

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 2.3

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 1.0

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 9.3

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

ACEC ID: 1 Area Name: WESTBORO CEDAR SWAMP

Responsible Agency: DEM Polygon Acreage: 77.1

Designation Date: 7/3/75 Secretary who signed: EVELYN F. MURPHY

CZM Compliance Date: Not Reported Region: INLAND

### AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

% of sites>4 pCi/L County Median

WORCESTER 38 2.8

Federal EPA Radon Zone for WORCESTER County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 01581

Number of sites tested: 2

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L

Living Area - 1st Floor Not Reported Not Reported Not Reported Not Reported Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported 0%

Basement 10.900 pCi/L 0% 100%

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Massachusetts Geographic Information System (MassGIS) Datalayers Source: Executive Office of Environmental Affairs

Public Water Supply Database: The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

#### OTHER STATE DATABASE INFORMATION

Areas of Critical Environmental Concern Datalayer: The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

EPA Designated Sole Source Aquifers Datalayer: The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by a EPA hydrogeologist.

Aquifers Datalayer: MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

Non-Potential Drinking Water Source Areas: Non-Potential Drinking Water Source Areas (NPDWSA) are regulatory in nature, representing one of many considerations used in determining the standards to which ground water must be cleaned in the event of a release of oil or hazardous material. NPDWSAs are not based on existing water quality and do not indicate poor ambient conditions.

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

DEP Approved Zone IIs Datalayer: The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is "that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary)." These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.

- Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line.
- Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.
- Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

#### **RADON**

State Database: MA Radon Source: Department of Health Telephone: 413-586-7525 Radon Test Results

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### **OTHER**

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

#### STREET AND ADDRESS INFORMATION

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# Appendix D Aerial Photographs

# Westborough State Hospital Campus-West/Northboroug

288 Lyman Street Westborough, MA 01581

Inquiry Number: 3475273.5

December 14, 2012

# The EDR Aerial Photo Decade Package



### **EDR Aerial Photo Decade Package**

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

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### **Date EDR Searched Historical Sources:**

Aerial Photography December 14, 2012

## **Target Property:**

288 Lyman Street

Westborough, MA 01581

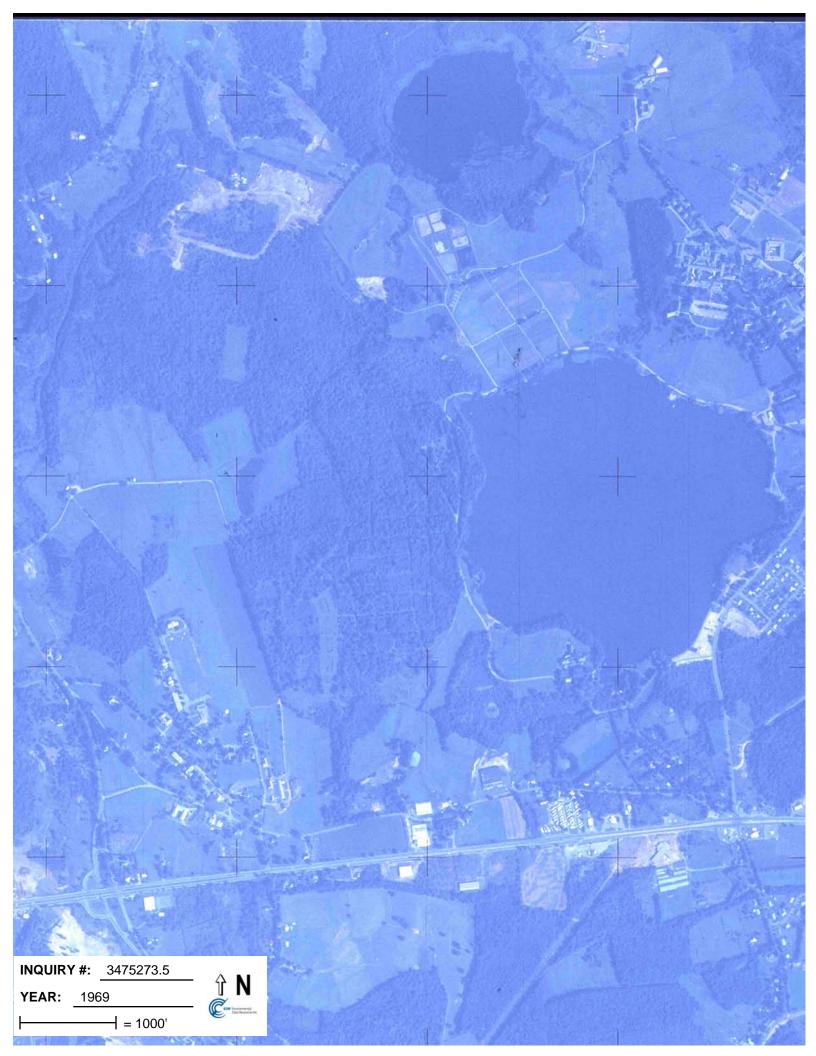
<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: March 09, 1966	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: March 09, 1966	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: March 09, 1966	EDR
1969	Aerial Photograph. Scale: 1"=1000'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: September 13, 1969	EDR
1969	Aerial Photograph. Scale: 1"=1000'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: September 13, 1969	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: May 12, 1978	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: May 12, 1978	EDR
1980	Aerial Photograph. Scale: 1"=750'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: September 11, 1980	EDR
1980	Aerial Photograph. Scale: 1"=750'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: September 11, 1980	EDR
1980	Aerial Photograph. Scale: 1"=750'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: September 11, 1980	EDR
1992	Aerial Photograph. Scale: 1"=750'	Panel #: 42071-C5, Marlborough, MA;/Flight Date: April 13, 1992	EDR
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1995	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Composite DOQQ - acquisition dates: March 29, 1995	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Composite DOQQ - acquisition dates: March 29, 1995	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Composite DOQQ - acquisition dates: March 29, 1995	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2006	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2006	EDR

<b>Year</b> 2006	Scale Aerial Photograph. Scale: 1"=500'	Details Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2006	Source EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2008	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2008	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2008	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 42071-C5, Marlborough, MA;/Flight Year: 2008	EDR

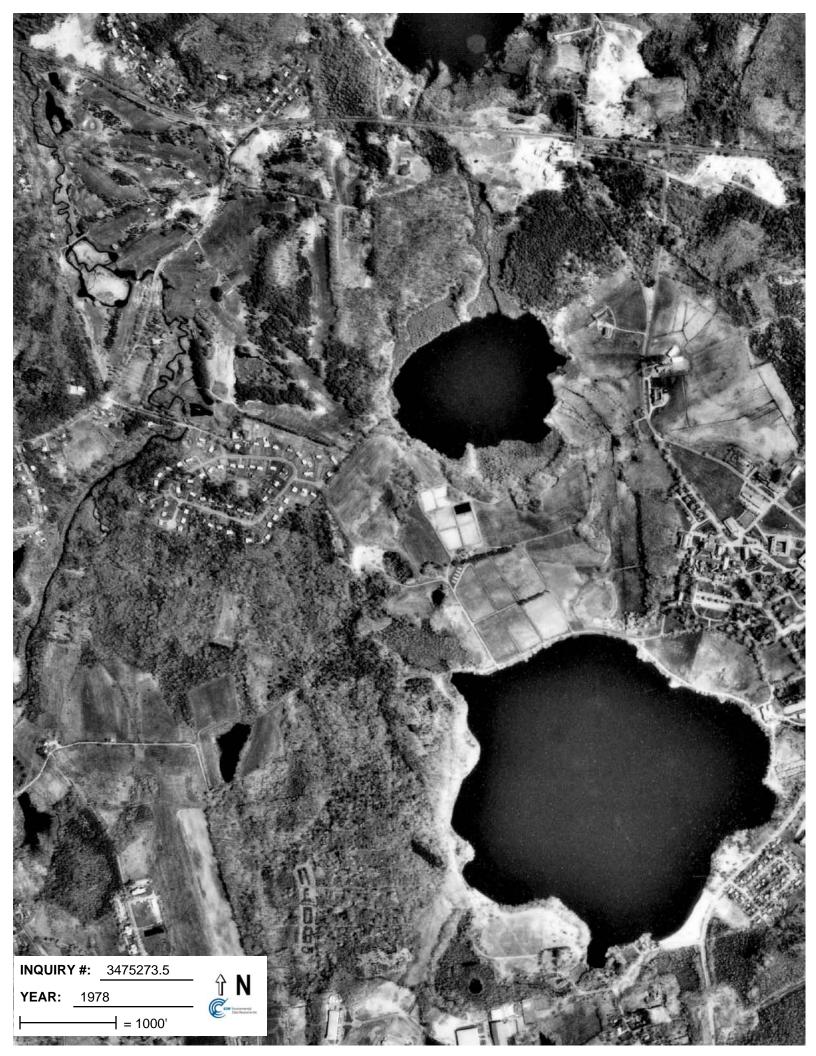
















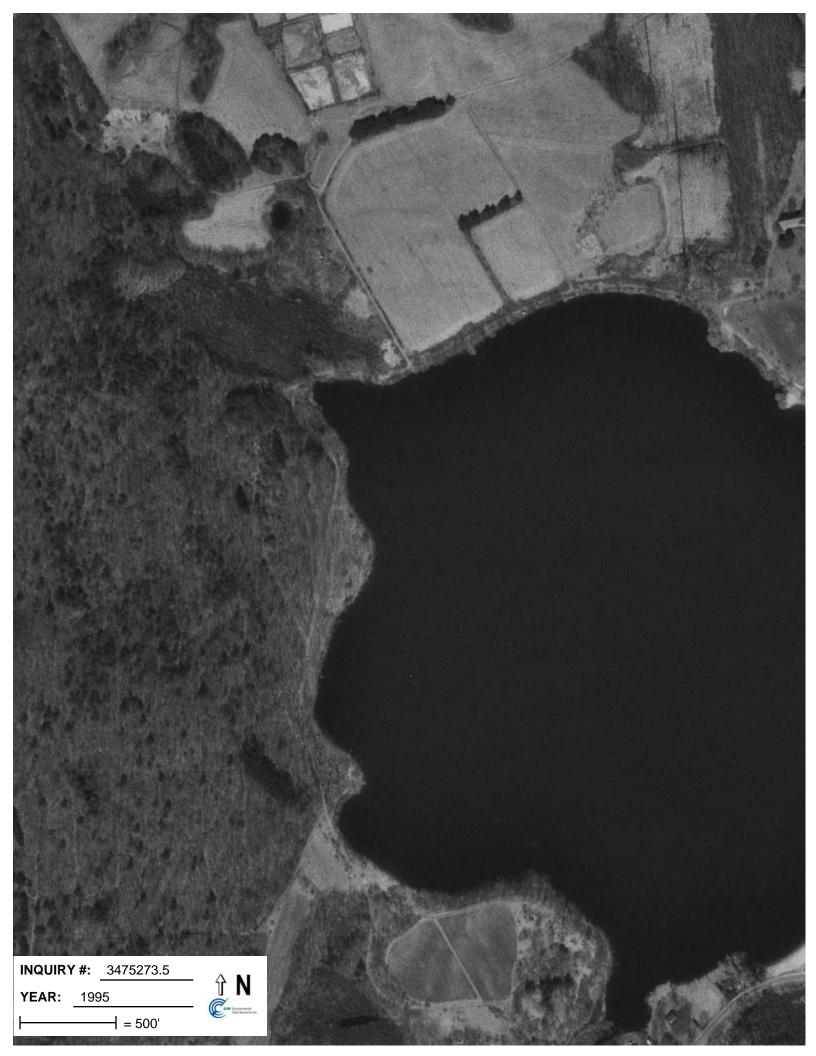


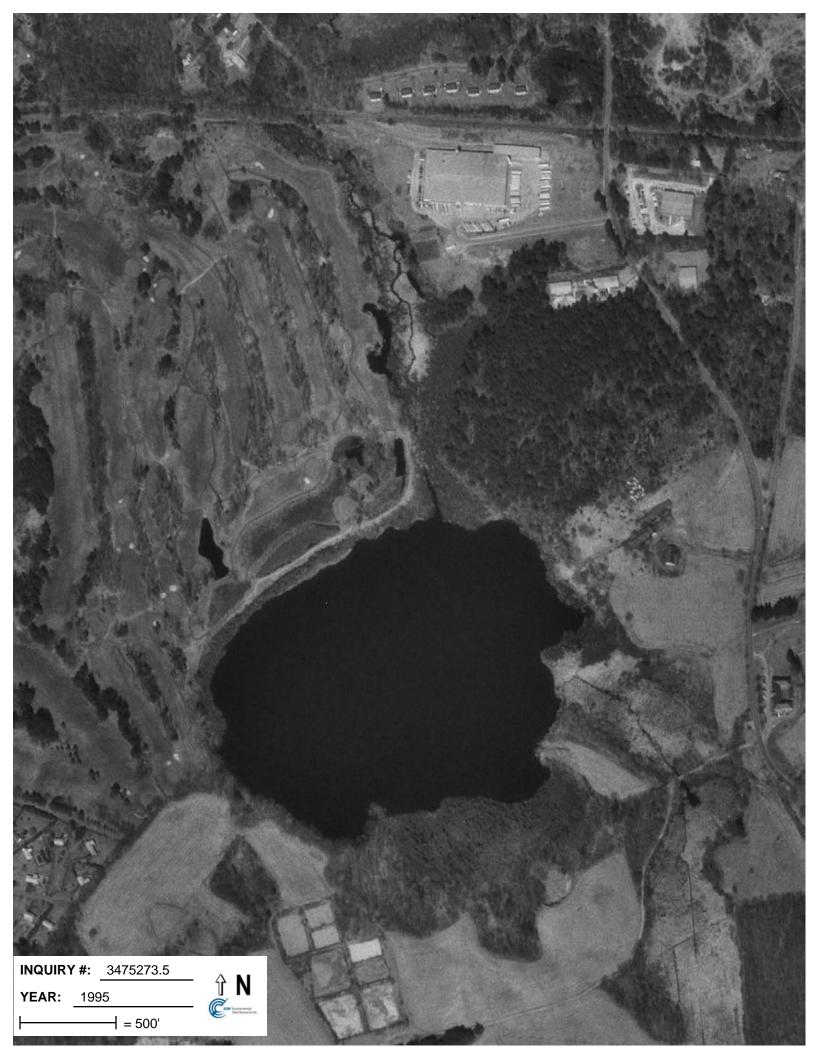


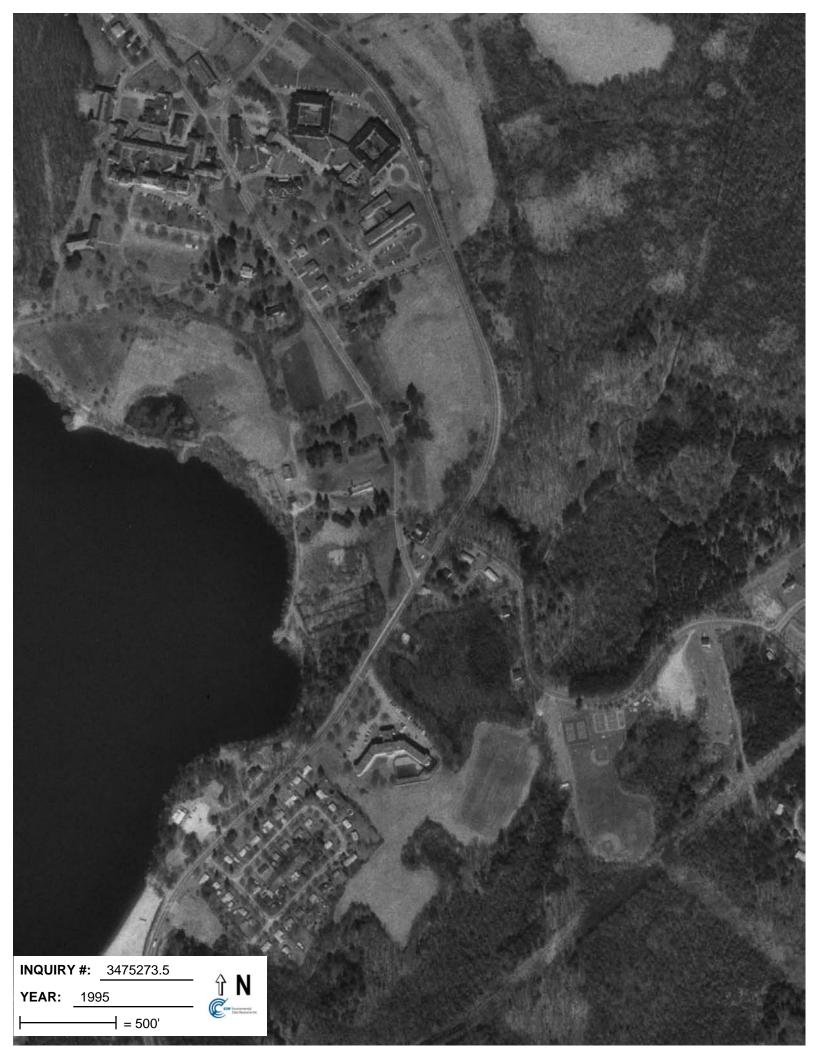






























# Appendix E City Directory Search

## Westborough State Hospital Campus-West/Northboroug

288 Lyman Street Westborough, MA 01581

Inquiry Number: 3475273.6

December 14, 2012

# **The EDR-City Directory Image Report**



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**Findings** 

**City Directory Images** 

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

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#### **EXECUTIVE SUMMARY**

#### **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

#### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2008	$\overline{\checkmark}$	$\overline{\checkmark}$	Cole Criss-Cross Directory
2000	$\overline{\mathbf{Z}}$		Cole Criss-Cross Directory
1995	$\overline{\mathbf{Z}}$		Cole Criss-Cross Directory
1990	$\overline{\mathbf{Z}}$		Cole Criss-Cross Directory
1985	$\overline{\mathbf{Z}}$		Cole Criss-Cross Directory
1971	$\overline{\checkmark}$	<u> </u>	Cole Criss-Cross Directory

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### **FINDINGS**

#### TARGET PROPERTY STREET

288 Lyman Street Westborough, MA 01581

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
<u>167-288 L</u> y	man Street	
2008	pg A1	Cole Criss-Cross Directory
2000	pg A2	Cole Criss-Cross Directory
1995	pg A3	Cole Criss-Cross Directory
1990	pg A4	Cole Criss-Cross Directory
1985	pg A5	Cole Criss-Cross Directory
1971	pg A6	Cole Criss-Cross Directory

3475273-6 Page 2

### **FINDINGS**

#### **CROSS STREETS**

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
54 Haskell	l Street	
2008	pg. A7	Cole Criss-Cross Directory
2000	pg. A8	Cole Criss-Cross Directory
2000	pg. A9	Cole Criss-Cross Directory
1995	pg. A10	Cole Criss-Cross Directory
1990	pg. A11	Cole Criss-Cross Directory
1985	pg. A12	Cole Criss-Cross Directory
1971	pg. A13	Cole Criss-Cross Directory

3475273-6 Page 3



	67-288 Lyman Street	0.4	2008
19	*Sherry Zitter Licsw	. 04	508.366.8576
10	*Stiles R K Attorney & Cour	iseio	508.366.5005
20	Minney & Monthey I In		500,300,5005
23	*Winsor & Northrup Llp	. +	E00 366 0000
50	♣Pan Yaran	00.	500.300.0909
55	Beverly A Hall	. 00	500.300.2003
55	Douglas A Hall	80	508 366 0541
33	Geoffrey E Read	80	508 366 0541
HAHNC	Y ST INTS	. 05	300.300.0341
	Alan L Stearn	054	508 366 0649
00	Joy B Stearn	05	508.366.0649
70	James N Ball	06	NP
	Donna L Latraverse	04	508.898.1934
	Paul A Latraverse	. 04	508.366.3642
74	Apartments		
	Nancy C Delle	. 06	NP
	L Hadassah	. 06	NP
В	Leslie S Zide	. 05	508.366.2727
B		. 05	508.366.2727
78			NP
80	Billy E Inzer	. 06	508.366.4499
1980	Gail Paula Inzer	. 06	508.870.3245
	<ul><li>William F McLoughlin Sr</li></ul>		
	Ethel V Smith		
165	Serena E Leiser	. 05	508.870.3242
167	*	n 06	508.792.7679
THE PARTY	Sean J McElroy	. 98	NP NP
171	* Public Safety Mass Dep	004	508.898.0167
1/1	Greg C Claffin		
INSPIT/	Muriel Katherine Claflin AL RD INTS	. 99	000.329.1213
175			NP
177	Apartments		INF
	Farhad C Salemi	05	508.366.1413
R	Nate J Smith		NP
	William Lynch.		508.870.0228
288	* Justice Resource Institu	t 97	
n .	* Mass Commonwealth Of Mnt	1 06	508.616.2842
	* 4 Mass Commonwealth Of Ytt		508.792.7461
1	* Pelletier Center	. 03	508.616.0056
ANT T	* Westborough State Hospita	a 77	508.616.2100
	291 RESIDENCE	114	BUSINESS
_			
IVO	NS ST		
210	110 01		
CT 7/	122.00 2 -	12	\$A
BR2	2-		01581

Cole Criss-Cross Directory

167-288 Lyman Street

2000

PAGE 220 C	C		
80 S Lutke	7 1 9 6 7 6 7 6 7 6		
LYMAN ST 01603  **Worcester** 1- 98 CT7331.01 \$Dé			
<ul> <li>WEBSTER ST INTS</li> <li>1 Francis Flannery . 97 508 - 757 - 816</li> <li>3 M J Rodriquez 63 ● NP</li> <li>5 Don T Merchent . 00 NP</li> <li>6 Richd B Rodriquez + NP</li> </ul>			

167-288 Lyman Street	1995
●RR 5	• • 0158
53 Douglas Hall	
78 E Ariza	.91 366-2980
Charles V Whelan	.88 366-2980
80 Edgar Ariza	
Dr Eileen Ariza	
* Eileen Ariza	
149 J Prus	
163 Stanley R Smith	
Stanley R Smith	. Д 366-9790
165 M Boyle	.83 366-0132
Walter Yuskiewicz	
175 Richard Haley	Д 366-3658
Terry Vore	93 366-4128
200 Kevin Stock	85 870-0228
1041 Building	.03 0/0-0220
A * Affectionately Eli	90 366-5435
A * Foggys	90 0 366 - 5435
# * Eoi Packaging	.92 836-4333
# # Robert F Kennedy	. 86 366-1969
# * St Ed Gr Cntl Dist .	. 90 366-0596
# # St Recrds Magmat .	366-1953
# * St Recrds Magmat .	. II 792-7440
# * St Vndr Pymnt Cmpt	. □ ⊙ 366 – 1953
#* Nevada Bobs Golf	.86 870-0520
#* Pathways	. 93 898 - 9597
# * Smoc Hadly Four	
244 RESIDENCE	141 BUSINESS
LVONO OT	
LYONS ST	
rom East Main Street Route	e 30
Approx 2 Miles From Center	

	101-200 Lyman Street 1990
70	21 Michl L Errington 366-85(
20	21 Michi L Errington 368-850
79 28 19 37	23 Ruth P Storey 76 366-176
19	24 Mrs E Christensen 60 366-275
37	25 26 NP
	23 Ruth P Storey
16	20 Note: 1 DIOWII
18	20 + ADC A
71	30 % ABC Accoustic Plan 86 366-890
	* Concentric Data 84 366-148
38	★ Diet Ctr of Wstbro 86 366-829
11	* Wlite Cleaners 87 898-227
34	* FTD Sports
30	* Five Seasons Suntn H 366 100
32	* Kwik Kony Printing 91 266 506
32	Liberty Filling
i3 12 17	* Liberty
12	* May Systems Inc 85 870-068
74	* May Systems Inc 87 791-331
1/	★ May Systms Scrty S . 87 ⊙ 870-068
32	★ Mercuri Music 86 ⊙ 366-890
18	* L Ross Merrow Lyr 83 366-054
8	* Nebula Corp 87 366-655
0	* R F Northover Assc 83 366-113
4	* Oldham Personnel 87 366 BE
0	t Direc Hut
11	Plumb House Inc. 97 366 476
22	× Plumo nouse inc 07 366-122
19	* Progressive Healty 82 366-418
6	* Progressive Healty 82 366-416
	* Progressive Realty 79 366-417
6838	27 Walter F Brown
.0	* The Resume Center 87 366-651
3	★ Sweet Bytes 87 366-760
8	★ Video Paradise 366-611
7	* Westboro Jewelers 80 366-551
9	★ Western Union 87 ⊙ 366-599
8	32 33 * Staff Ofc Srvs Inc
9	33 & Staff Ofc Srys Inc # 366_066
2	35 * Bank of Boston 87 366-898
3	37★ Suburban Temporari 366-852
9	38
5	30 NP
8	●RR 5 01581
1	78 Charles V Whelan 366-298
6	104 ×
4	
-	1A Affectionately Eli 83 366-543
6	1A★ Foggys
2	149 NP
4	163 S R Smith
2	165 M Boyle 83 366-013
9	171 Walter Yuskiewicz 76 366-701
7	175 Richard Haley 85 366 – 645
9	177 Laurie Frank
7	Richard Greenspan - 898-333
4	Tim Whittemore 366-48
1	200 Kevin Stock 85 870-02
5	288★ Inman Rehab Ctr ¤ 898-30
3958164102297974153	NO #* Avcoa Inc
5 1	NO 44 Chara D. H D

1985

			_
3 0 2 6 3 7	165 M Boyle	366 - 7018 366 - 2187	
7 3 1	From East Main Street Route 30		
5	Approx 2 Miles		
_	From Center		
5 6 7	Southerly To Turnpike Road		
7	Tompino Houd		
7	● RR 2	01581	
2	066550		

_	167-288 Lyman Street 1971	
5	1 RESIDENCE 1 BUSINESS	
593288		
3	LYMAN ST 01581	
2		1
8	T 7422 \$80 6	1
8	T 7421 WSH.N 5	1
8	4 EDWIN A HECKMAN 3665528 6 RALPH D THORPE 4 3667326	
3	6 RALPH D THORPE 4 3667326	1
8	8 DAVID 0 KUBLY 3664561	
83855	14 ALEX MACCONNELL 3 3665697	1
S	18 NP	١
	19 RICHARD E PHILLIPS	1
1	0 3667577	
	21 THEO B ERRINGTON 9 3667102	
0	23 CLARENCE H QUILLIA	ı
	4 3662719	
	MRS ELNA G QUILLIA 3662719	
1	24 MRS E CHRISTENSEN 3662750	1
,	25 DONALD H CURRIER 3662120 26 CLYDE E RILEY 3662754	
,		
5	27 WILLIAM J BROWN 4 3664058	
5	29 WILLIAM A GORRINGE 3664948	
51	30 NP 36 MERTON R MARSHALL 13662200	
7 7 9 9 9 9 7 7	38 ALBERT L MACDONALD	1
7	5 3667271	1
3	149 WM F MCLOUGHLIN 7 3662650	
	163 S RUSSELL SMITH 3667029	ı
5	NO # DR HORACIO ARIAS 3668082	ı
3 1 5 2 5	NO # DR HORACIO ARIAS 3668082 NO #*BAHA I STUDY 3667444	ı
5	NO # EVERETT A BEAMAN 3667907	ı
	NO #*BERGEVIN INC GRNHS 3664912	
L	NO # ROBERT W BERGEVIN 3664912	
	NO # DR DANTE V CAPRA 3667885	ı
5	NO # EDWARD J GENIS 3662522	п
	NO # HENRY GERNRICH 3664752	
	NO # HENRY GERNRICH 3664752 NO # DAVID M HAYES 3667341 NO # EUGENE HYLAND 3667252 NO # DR N KHAMSI 9 3667444	ı
3	NO # EUGENE HYLAND 3667252	
H	NO # DR N KHAMSI 9 3667444	ı
	NO # DR IHSAN M OZMAN O 3667624	
	NO #*PATS SHELL STA 3667772	1
}	NO # DR MORRIS L SHARP 3667838	ı
5	NO #*TALBOT REHABIL CTR 3667781	ı
	NO # WALTER YUSKIEWICZ 3667018	
1	31 RESIDENCE 4 BUSINESS	
1	COLLEGE COLLEGE	
	LYMAN SCHOOL 01581	

# 54 Haskell Street 2008

	34 Haskell Street		2006	
210	Beverly L Worters	98	500.000.7172 508.808.0618	1-
-	Robert A Worters Jr	98	•508 808 0618	ı
22	Corrie K Marino	04	•500.090.9010 •500.090.9010	ı
22	Peter W Marino	04	•500.300.1032 •500.366.1632	ı
23	Agapito M Feliciano Jr	97	• 500.300.1032 • 500.070.0030	ı
20	Wilma M Feliciano	07	• 500.070.0929 • 500.070.0020	ı
24	Onthia F Parie	72	• 500.070.0929 • 500.070.0929	ı
24		72	500.300.2993	ı
26	Robert C Paris			ı
20	Amy Keiley Schur	. 99	500.300.7330	ı
28	Daniel John Schur	. 99	500.300.7330	ı
20	Felicia F McLaughlin	. 79	508.366.7808	ı
30	Robert J McLaughlin	. 79	508.366.7808	ı
30	Constance L Zahavi	. //	508.366.7628	ı
22/	William Z Zahavi	. //	508.366.7628	ı
321	Natalia A Viazmitinova	. 01	508.366.2395	ı
24	Juennadi L Viazmitonov	. 01	508.366.2395	ı
34	Qing Ma Jianli Zhou.		NP	ı
36	Qing Ma	. 02	508.898.0183	ı
20	Jianli Zhou	. 02	508.898.0183	ı
38			NP	ı
WCHO2	ETT VIEW DR INTS			ı
60	Apartments			ı
A	Tanya Dewitt	. 01	NP	ı
B	Amy K Dobecki	. 01	508.887.9992	ı
B	Derek M Dobecki	. 01	508.887.9992	ı
	Alison D Heard	. 04	508.898.2655	-
	K Somjen	- 03	NP	ı
	Bryan Stgeorge	- +	508.329.1417	ı
	A W Vandervelden	. 04	508.898.2655	
64	Brian A Hughes	_ 03	508.898.2504	
	Kim S Hughes	_ 03	508.898.2504	
	G Kraft	_ 03	NP	ı
66	Apartments			
2	Emily Curtis	- +	NP	
HU.	C Gomes	05	NP	
1	Natalie Speicher	. +	NP	
68	Apartments			
3	Michael T Dobbins	03	508.366.4960	
No.	Alex Fernandes	02	NP	L
2	Jeffrey A Freeland	. 92	NP	
2	Jennifer Freeland	. 92	NP	K
	Betsy E Johnson	(00)	NP	
	Robert N Johnson.	. (00	NP	ı
	S Mellen	(02	NP	L
	Emerson Reis	03	NP	H
	Dorothy Rollins.		508.898.9066	
694	Crystal A Teixeira	(00	NP	
	68 RESIDENCE	1 R	USINESS	
	OU TIEDIDEIYOE	1 0	CONTLOG	
in.				
O HEV	TH CT			

**54 Haskell Street** 2000 Thomas V Radogna 96 • 508 - 366 - 7643 19  $.75 \bullet 508 - 366 - 7172$ é Norman E Boyer 20 Judith L Bishop 508 - 366 - 2010. 98 21 508 - 898 - 9618Robert A Worters 98 15 NP 22 . 63 • G Viazmitinov .94 • 508 -870 - 0929 23 Agapito Feliciano .73 • 508 -366 - 2993 Robert C Pans . 24 .99 • 508 -366 - 7336 Daniel Schur 26 53 73 VIEW DR INTS McLaughlin 79 • 508 - 366 - 8293 86 28 508 - 366 - 7628 William Z Zahavi 30 NP 85 A Viazmitinova 32 508 - 366 - 7552 .00 34 Cannistraro 508 - 366 - 1075 99 16 Mary Lesch 508 - 836 - 444500 Stogel 508 - 366 - 8922Doherty David 16 36 . 95 Richard Farrell 508 - 366 - 148143 38 94 508 - 366 - 1481 69 Kafka 93 NP E Kalka 23 system in any manner whatsoever except with the prior written Verified Homeowner irst Listed 1995,96, Etc.

2000

Cole Criss-Cross Directory

# 54 Haskell Street

	H	IASTINGS
60	Apartments	
	Gordon Brown +	508-616-0087
	Michael McMullin . +	508 -616 - 0488
A	Faye Polutan 00	508 -616 - 0087
64	Apartments	
	Coleen T Cafaro . 99	508 - 366 - 9904
A	C Vitale 97	508 - 366 - 8364
66	Apartments	
2	Sarah E Donnelly . 00	NP
	J Herlihy +	508 -836 -4515
2	Jeffrey Hopkins 00	508 - 366 - 6801
2 4 3	Michael Mayville . 98	508 -616 -4421
	Michael Mayville . 98 K McDonald 96	508 - 836 - 3373
4	Mary Wogan 98	
- E M	AIN ST INTS	
68	Apartments	
2	Cory Collins 99	508 - 898 - 9494
	Jeffrey A Freeland 92	508 - 366 - 6544
	Robert N Johnson +	508 - 616 - 0890
4	Frank Leone 94	508 - 898 - 9218
	46 RESIDENCE	1 BUSINESS
● HA	ASKINS ST	01604
	1- Worcester 1- 98 CT7328	\$Dé
- CLAI	RISSA ST INTS	\$06

✓ Cole Criss-Cross Directory

1995

# 54 Haskell Street

From East Main Street Route 30 Approx 2 Miles From Center Street Northwesterly To Lyman Street		
	1- 99 CT7422	01
	1- 99 C1/422	\$A
1	N L Uhlman	366
3	Ray P Uhlman	366
	Uhlmans Again 90	
9	Don Landroche Jr 92	836
LO	Dishard I Andreal	200
10	Richard J Andreoli 80	
12		
13	Douglas Uhlma 91	898
14	David Larcenaire	
16	Henry M Markiewicz 64	
17	Peter J Teare 90	
10	R Teare	
18	Paul Enders 90	
20	Norman E Boyer 75	366
22	R F Hook	
24	Robert C Paris	366
26	Richard P Cesary 64	366
28	Robt J McLaughlin 79	
00	Robt J McLaughlin 83	366
30		
32		366
34	Polit Polito	200
36	Robt Delle 90	
38	R Kafka	366
60	Apartments	200
A	Russell D Werme 86	366-
62 <b>64</b>	Apartments	
A	Dr F V Defeudis 87	000
B	Jas P Dwyer	898- 366-
В	Michael K Dwyer 87	870-
66	Andrea Grant	836-
00		366-
	B Kjellman	366-
	l Walden 91	366-
68	Karen Foley	836-
00	Frank Leone	898-
	John J Perry 92	836-
70	NP	000
70	36 RESIDENCE 1	BU

# 54 Haskell Street

1990

From East Main	
Street Route 30	
Approx 2 Miles	
From Center Street	
Northwesterly To	
Lyman Street	
The state of the s	04504
RR 5	• • • 01581 422 \$AD 8
1- 99 C174	\$2Z \$AD 8
1 N L Uhlman	
3 Ray P Uhlman 8 LO	78 366-2609
8 LO	80 366-0883
12 Edwin P Valis	
	86 366-5773
14 Grant Adams	64 366-2922
18 M H Jones	я 366-5430
20 Norman E Boyer	75 366-7172
22 Charles D Buckley .	
24 Robert C Paris	
26 Richard P Cesary	64 366-8798
28 Robt J McLaughlin .	79 366-8293
Robt J McLaughlin .	83 366-7808
30 William Z Zahavi	
32 Stephen M Young .	
34 M L Reynolds	77 366-9894
36 K J Hesterberg 60 Russell D Werme	
60 Russell D Werme	86 366-9479 NP
64×	Nr
3 D Sullivan	366-4481
64 A ★ Dr F V Defeudis	87 898-2689
B Jas P Dwyer	
B Michael K Dwyer	
66 V M Clapp	366-2810
William F Tetro	85 366-0367
68 Michael J Bouchard	87 870-5763
Nancy McGee	
Diane Roy	86 366-9263
70	NP . DUGUESO
30 RESIDENCE	1 BUSINESS
HEATH ST	01581
From 24 Church St	01001
Southwesterly	
Crossing West	
St and Blake St	

Target Street Cross Street Source
- Cole Criss-Cross Directory

# 54 Haskell Street 1985

34 Haskell Street	1900
36 RESIDENCE	
HASKELL ST     From East Main     Street Route 30     Approx 2 Miles     From Center Street     Northwesterly To     Lyman Street	
• RR 2	01581
066250	
1 Edward L Uhlman Jr	76 366 - 7246
3 Ray P Uhlman	78 366 - 2609
8 William Uhlman	70 366 - 2429
10 Richard J Andreoli	80 366 - 0883
12 Edwin P Valis	74 366 - 2290
14 NP 16 Henry M Markiewicz	64 200 2022
16 Henry M Markiewicz	64 366 - 2922 78 366 - 1581
20 Norman E Boyer	
22 Charles D Buckley	
24 Robert C Paris	
Robert C Paris Richard P Cesary	
28 R J McLaughlin	
★R J McLaughlin	
30 William Z Zahayi	
32 Stephen M Young	
34 M L Reynolds	77 366 - 9894
36 K J Hesterberg	
60 B Kenneth Frank	H 366 - 5154
62 NP	
64 A Thomas Lutz	
B James P Dwyer	
66 Donald Chamberland	
Tony Consiglio	000 0045
A Damon	
Brian Kaczor ,	
D Scanlon	
Bruce Loughlin	
Gerard Roy	
70 Serard Roy NP	300-3732
70 30 RESIDENCE	1 BUSINESS
• HEATH ST	01581
From 24 Church St	0.00.
Southwesterly	

54 Haskell Street

1971

L	TO PHILIP E STANLET U 3003030			
5	32 RESIDENCE			
	HACKELL CT			
3	HASKELL ST			
4	0.0.0	-		
7	R R 2 01581			
'	1- END T 7422 \$80 6			
,	1 NP			
3	3 WILLIAM G UHLMAN 3662429			
2	8 EDWARD J MCTIGHE 6 3667121			
	01501			
,	62 J A EDMUNDS ¤3665227			
2	66 JAMES P HIGGINS #3668020			
,	70 THOMAS R ERWIN 03664140			
5	NO # NORMAN E BOYER 3667172			
	NO # RICHARD P CESARY 3668798	L		
	NO # MRS P Y FARNSWORTH 3668293	•		
5	NO # JAMES R FREDSALL 0 3665875			
	NO # RICHARD G HARRIS 0 3667970			
,	NO # HARLAND L JOHNSON 3667318			
,	NO # HENRY M MARKIEWICZ 3662922			
3	NO # ROBT J MCLAUGHLIN 3668293	H		
	NO # L R MERROW JR 3668017			
	NO # ROBERT C PARIS 3662993	r		
	NO # C L TRETHEWEY 3661391			
,	NO # DAVID A UHLMAN 3667957			
)	NO # EDWIN P VALIS 3662290			
	19 RESIDENCE	H		
2				
	HEATH ST 01581			
	1- END T 7423 \$AN 6			
1	4 GUSTAF H CARLSON 3665683			

# Appendix F Historic Topographic Maps

## Westborough State Hospital Campus-West/Northboroug

288 Lyman Street Westborough, MA 01581

Inquiry Number: 3475273.4

December 12, 2012

# **EDR** Historical Topographic Map Report



## **EDR Historical Topographic Map Report**

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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**TARGET QUAD** 

NAME: **MARLBORO** 

MAP YEAR: 1889

SERIES: 15 SCALE: 1:62500

LAT/LONG:

SITE NAME: Westborough State Hospital Campus-West/Northboroug

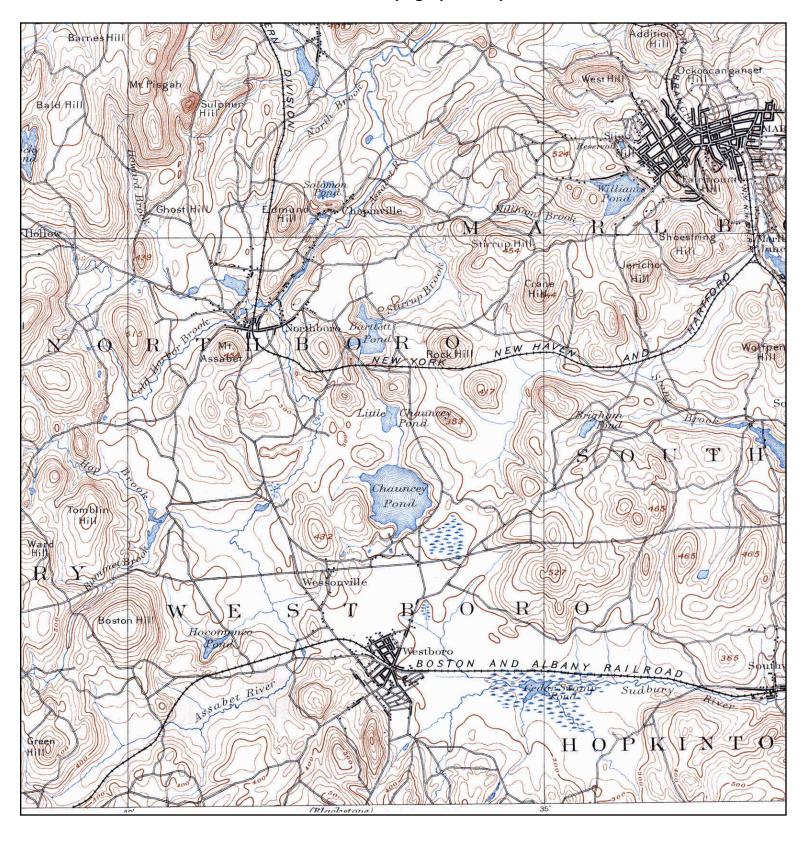
288 Lyman Street

ADDRESS:

Westborough, MA 01581

42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: MARLBORO

MAP YEAR: 1898

SERIES: 15 SCALE: 1:62500 SITE NAME: Westborough State Hospital

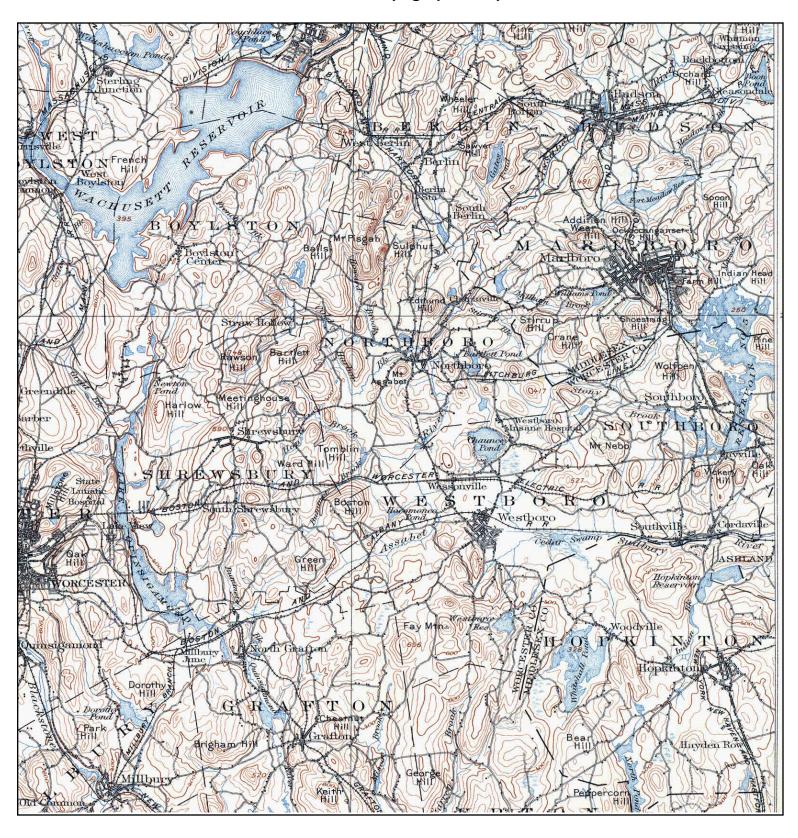
Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: QUINSIGAMOND

MAP YEAR: 1908

SERIES: 30

SCALE: 1:125000

SITE NAME: Westborough State Hospital

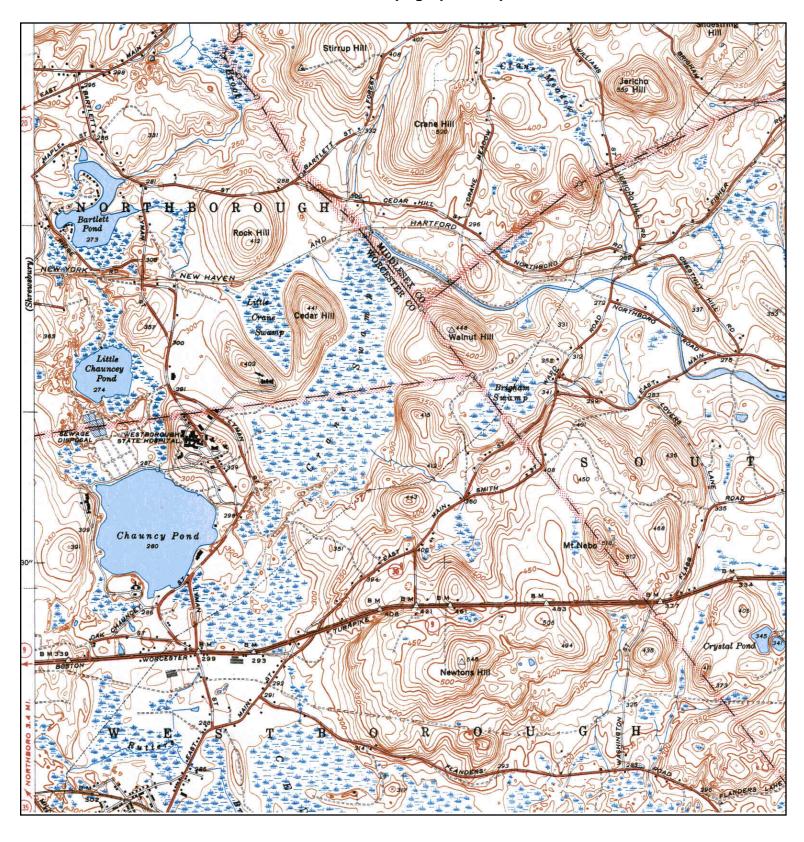
Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: MARLBORO

MAP YEAR: 1943

SERIES: 7.5 SCALE: 1:31680 SITE NAME: Westborough State Hospital

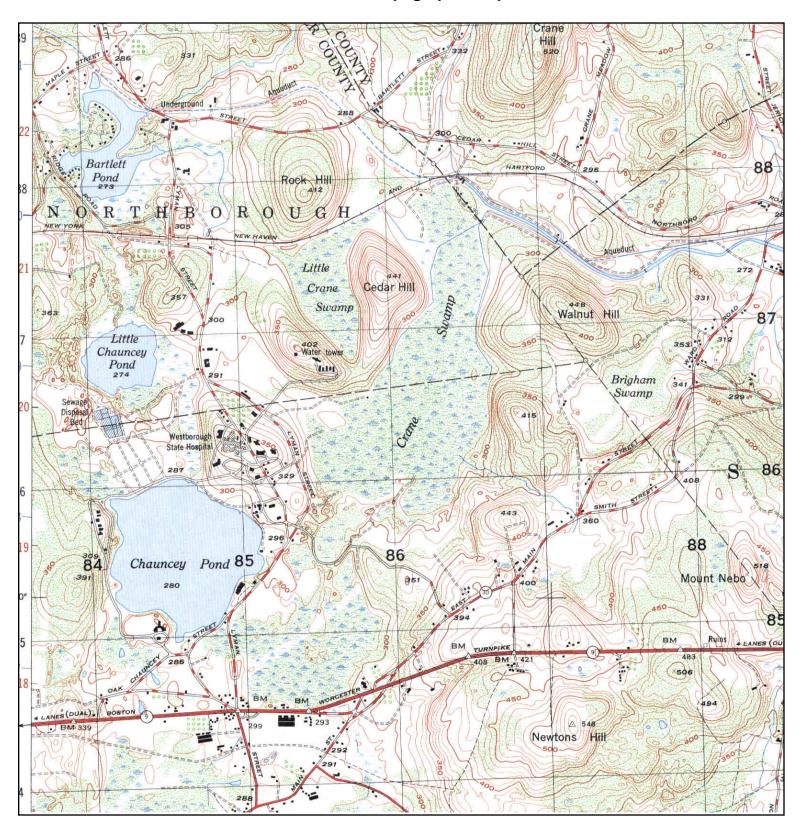
Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: MARLBOROUGH

MAP YEAR: 1949

SERIES: 7.5 SCALE: 1:25000 SITE NAME: Westborough State Hospital

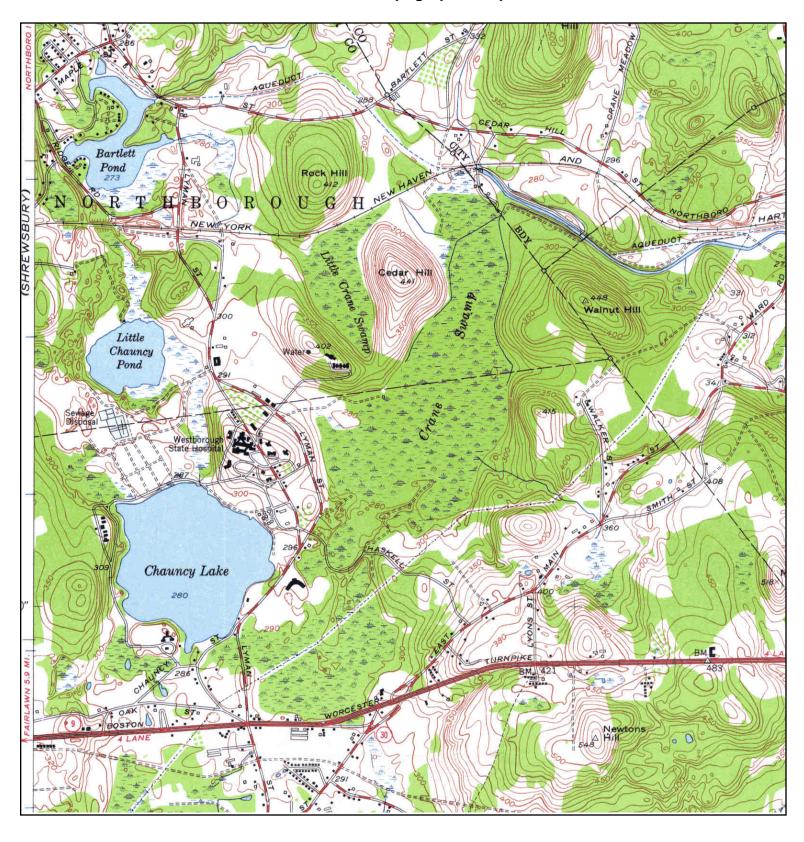
Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: MARLBOROUGH

MAP YEAR: 1953

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Westborough State Hospital

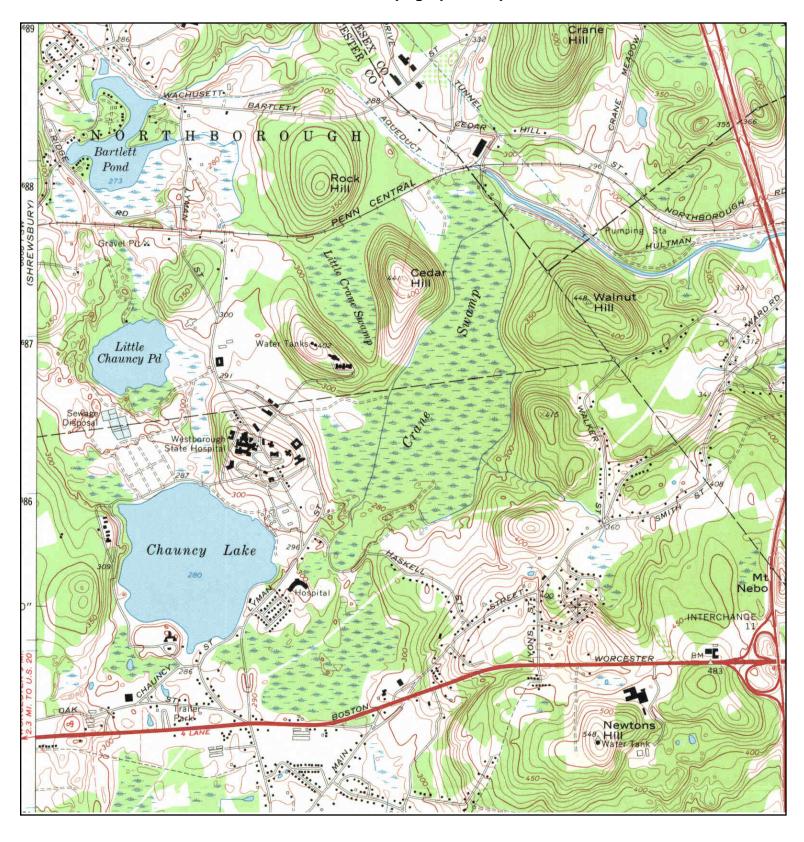
Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: MARLBOROUGH

MAP YEAR: 1969

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Westborough State Hospital

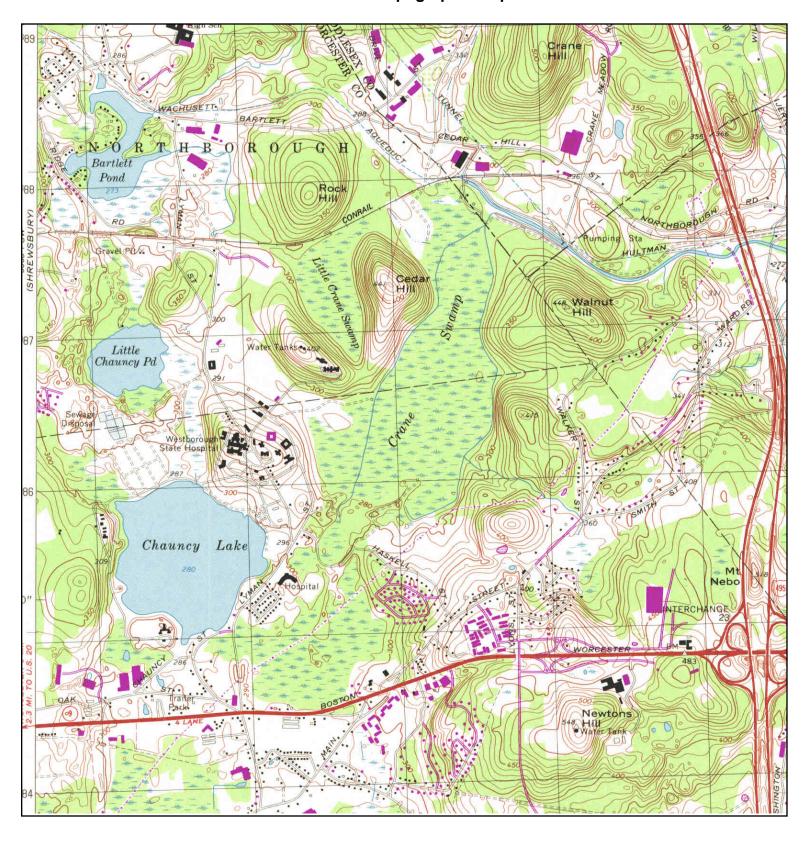
Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: MARLBOROUGH

MAP YEAR: 1979

PHOTOREVISED FROM: 1969

SERIES: 7.5 SCALE: 1:25000 SITE NAME: Westborough State Hospital

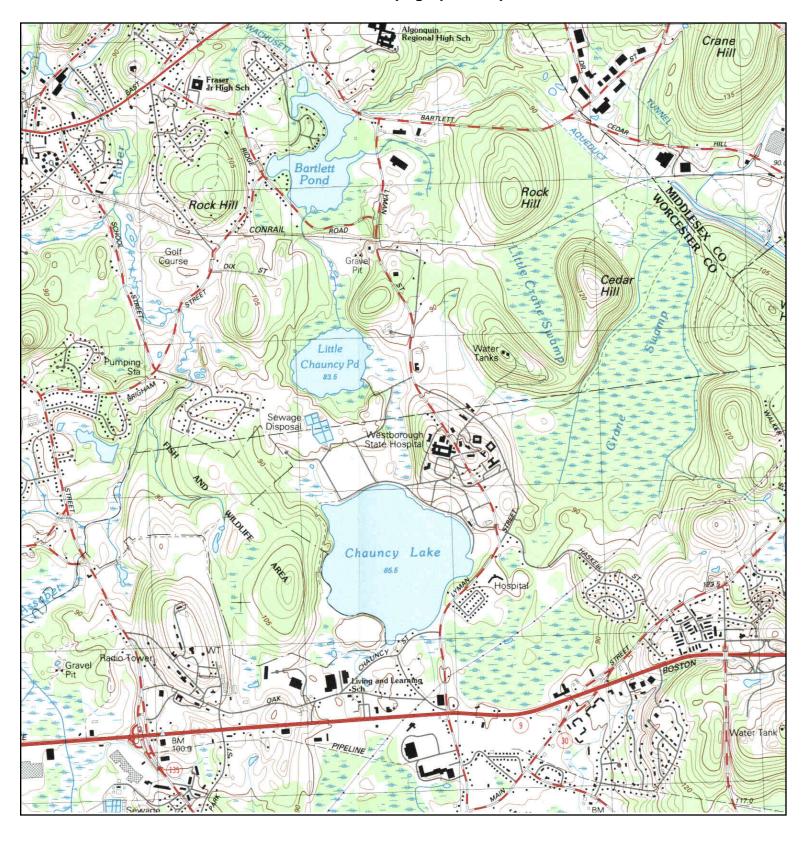
Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure





TARGET QUAD

NAME: MARLBOROUGH

MAP YEAR: 1983

SERIES: 7.5 SCALE: 1:25000 SITE NAME: Westborough State Hospital

Campus-West/Northboroug

ADDRESS: 288 Lyman Street

Westborough, MA 01581

LAT/LONG: 42.3025 / -71.6115

CLIENT: Shaw Environmental & Infrastructure

# Appendix G Sanborn Map Report

# Westborough State Hospital Campus-West/Northboroug

288 Lyman Street Westborough, MA 01581

Inquiry Number: 3475273.3

December 11, 2012

# Certified Sanborn® Map Report



### **Certified Sanborn® Map Report**

12/11/12

Site Name: Client Name:

Westborough State Hospital 288 Lyman Street

Westborough, MA 01581

Shaw Environmental & 88C Elm Street Hopkinton, MA 01748

EDR Inquiry # 3475273.3 Contact: Sheila Barry



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Shaw Environmental & Infrastructure were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name: Westborough State Hospital Campus-

Address: 288 Lyman Street

City, State, Zip: Westborough, MA 01581

**Cross Street:** 

P.O. # TBD TBD

Certification # 8D8F-437D-BF63



Sanborn® Library search results Certification # 8D8F-437D-BF63

#### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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# Appendix H Additional Site Documentation

### Westborough State Hospital Campus-West/Northboroug

288 Lyman Street Westborough, MA 01581

Inquiry Number: 3475273.11

December 11, 2012

# **EDR Building Permit Report**

**Target Property and Adjoining Properties** 



### **EDR Building Permit Report: Search Documentation**

12/11/12

Site Name: **Client Name:** 

Westborough State Shaw Environmental & 288 Lyman Street 88C Elm Street Westborough, MA

Hopkinton, MA 01748

EDR Inquiry # 3475273.11 Contact: Sheila Barry



#### Search Documentation

#### **DATA GAP**

The complete collection of Building Permit data available to EDR has been searched, and as of 12/11/12, EDR does not have access to building permits in the city where your target property is located (Westborough, MA).

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#### EDR BUILDING PERMIT REPORT

#### **About This Report**

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

#### **ASTM and EPA Requirements**

ASTM E 1527-05 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records – The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

#### Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.





### **Westborough State Hospital Campus-West/Northboroug**

288 Lyman Street Westborough, MA 01581

Inquiry Number: 3475273.8

December 11, 2012

# The EDR Property Tax Map Report



#### **EDR Property Tax Map Report**

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

#### NO COVERAGE

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

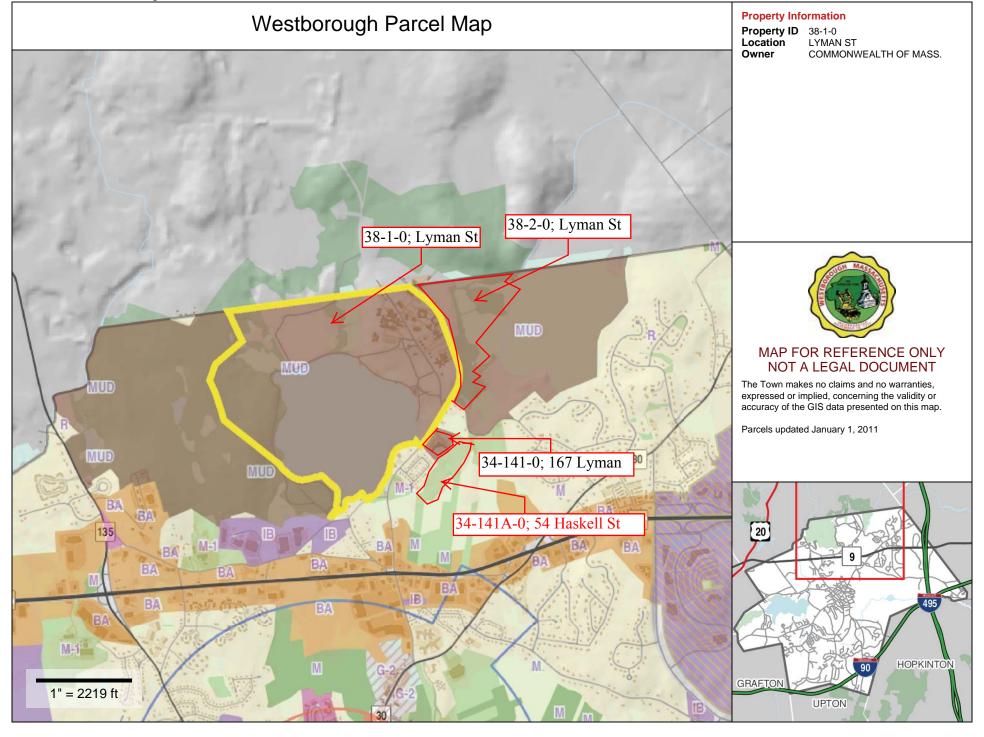
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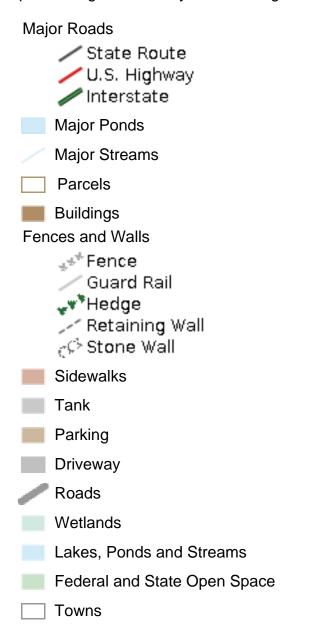
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Town of Westborough December 11, 2012



#### Base Map & Zoning and Overlay Districts Legends

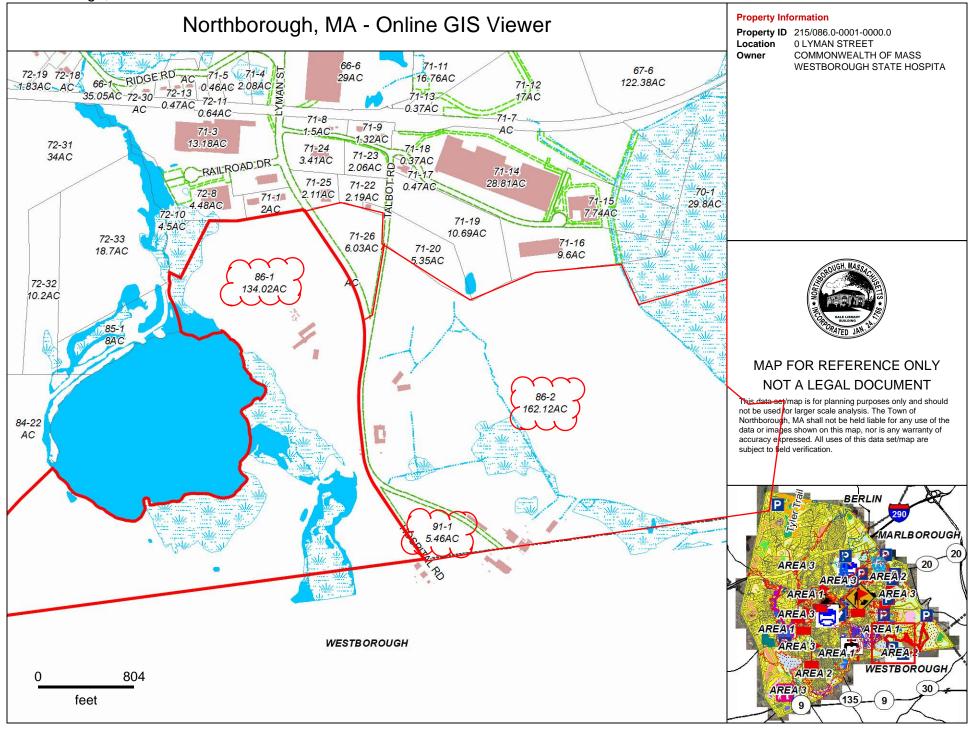


## **Overlay Districts**

- Nowntown Planning Overlay
- Downtown Busines District
- IC Overlay District
- Number of the Industrial ID Overlay District
- Senior Living Overlay District

#### Zoning

- AA Apartment, Garden
- AE Adult Entertainment
- 🚃 BA Business, Highway
- BB Business, Downtown
- C Conservation
- G-2 Gateway 2
- IA Industrial
- IB Industrial B
- M State Owned
- M-1 Town Owned
- MUD Mixed Use District
- OTH All other Zones
- R Residential, Single



Northboro	ugh, MA	Map Legend
	Town Boundaries	
	Hydrography  Wetlands, Swamp or Marsh  Lake or Pond	
	Rivers & Streams	
	Easement	
	Private Right of Way	
	Parcel	
	Structure  Building Deck Pool Other	
	— Major Roads	
	Parcel ID Acreage Text	
	Street Name Text	

# **Unofficial Property Record Card - Westborough, MA**

### **General Property Data**

Parcel ID 34-141-0 Account Number 0

Prior Parcel ID

Property Owner COMMONWEALTH OF MASS **Property Location 167 LYMAN ST** 

> **HADLEY BUILDING** Property Use DMH-R

Mailing Address 167 LYMAN STREET **Most Recent Sale Date** 

Legal Reference

Grantor

City WESTBOROUGH Zip 01581 Mailing State MA Sale Price 0

ParcelZoning S RE Land Area 8.440 acres

## **Current Property Assessment**

**Xtra Features** Card 1 Value Building Value 3,166,400 Land Value 121,200 Value 0 Total Value 3,287,600

#### **Building Description**

**Building Style HOSPITAL** Foundation Type CONCRETE Flooring Type CARPET

# of Living Units 1 Frame Type WOOD **Basement Floor CONCRETE** 

Year Built 1950 **Roof Structure GABLE** Heating Type STEAM

Building Grade AVERAGE Roof Cover TAR+GRAVEL **Heating Fuel OIL Building Condition Average** Siding BRICK Air Conditioning 0%

Finished Area (SF) 64107 Interior Walls AVERAGE # of Bsmt Garages 0

Number Rooms 0 # of Bedrooms 0 # of Full Baths 0

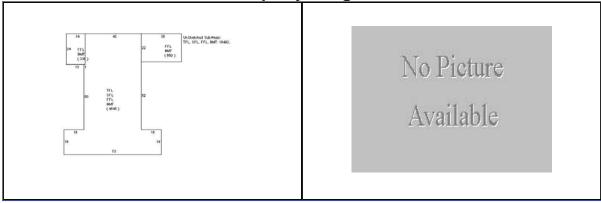
# of 3/4 Baths 0 # of 1/2 Baths 0 # of Other Fixtures 0

# Legal Description

#### Narrative Description of Property

This property contains 8.440 acres of land mainly classified as DMH-R with a(n) HOSPITAL style building, built about 1950, having BRICK exterior and TAR+GRAVEL roof cover, with 1 unit(s), 0 room(s), 0 bedroom(s), 0 bath(s), 0 half bath(s).

# **Property Images**



Disclaimer: This information is believed to be correct but is subject to change and is not warranteed.

# **Unofficial Property Record Card - Westborough, MA**

# **General Property Data**

Parcel ID 38-1-0 **Account Number** 

Prior Parcel ID --

Property Owner COMMONWEALTH OF MASS. **Property Location LYMAN ST** 

Property Use DMH-R

Mailing Address 251 CAUSEWAY STREET **Most Recent Sale Date** 

Legal Reference

City BOSTON Grantor

Mailing State MA Zip 02114 Sale Price 0

ParcelZoning STAT Land Area 249.000 acres

#### **Current Property Assessment**

**Xtra Features** Card 1 Value Building Value 0 Land Value 3,574,400 Total Value 3,574,400 Value <sup>0</sup>

**Xtra Features** Total Parcel Value Building Value 17,393,000

Value 1,207,900 Land Value 3,574,400 Total Value 22,175,300

## **Building Description**

Flooring Type N/A	Foundation Type N/A	Building Style N/A
Basement Floor N/A	Frame Type N/A	# of Living Units N/A
Heating Type N/A	Roof Structure N/A	Year Built N/A
Heating Fuel N/A	Roof Cover N/A	Building Grade N/A
Air Conditioning 0%	Siding N/A	Building Condition N/A
# of Bsmt Garages 0	Interior Walls N/A	Finished Area (SF) N/A
# of Full Baths 0	# of Bedrooms 0	Number Rooms 0
# of Other Fixtures 0	# of 1/2 Baths 0	# of 3/4 Baths 0

# Legal Description

# Narrative Description of Property

This property contains 249.000 acres of land mainly classified as DMH-R with a(n) N/A style building, built about N/A, having N/A exterior and N/A roof cover, with N/A unit(s), 0 room(s), 0 bedroom(s), 0 bath(s), 0 half bath(s).

Property Images

No Sketch Available

No Picture Available

Disclaimer: This information is believed to be correct but is subject to change and is not warranteed.

# **Unofficial Property Record Card - Westborough, MA**

# **General Property Data**

Parcel ID 38-2-0 Account Number

Prior Parcel ID --

Property Owner COMMONWEALTH OF MASS. Property Location LYMAN ST

Property Use DMH-R

Mailing Address 100 CAMBRIDGE STREET Most Recent Sale Date

Legal Reference

City BOSTON Grantor

Mailing State MA Zip 02660 Sale Price 0

ParcelZoning STAT Land Area 80.000 acres

#### **Current Property Assessment**

Total Parcel Value Building Value 169,400 Xtra Features
Value Value 100 Land Value 1,148,400 Total Value 1,317,800

## **Building Description**

Flooring Type N/A	Foundation Type N/A	Building Style N/A
Basement Floor N/A	Frame Type N/A	# of Living Units N/A
Heating Type N/A	Roof Structure N/A	Year Built N/A
Heating Fuel N/A	Roof Cover N/A	Building Grade N/A
Air Conditioning 0%	Siding N/A	Building Condition N/A
# of Bsmt Garages 0	Interior Walls N/A	Finished Area (SF) N/A
# of Full Baths 0	# of Bedrooms 0	Number Rooms 0
# of Other Fixtures 0	# of 1/2 Baths 0	# of 3/4 Baths 0

# **Legal Description**

# **Narrative Description of Property**

This property contains 80.000 acres of land mainly classified as DMH-R with a(n) N/A style building, built about N/A, having N/A exterior and N/A roof cover, with N/A unit(s), 0 room(s), 0 bedroom(s), 0 bath(s), 0 half bath(s).

**Property Images** 

No Sketch
Available

No Picture

Available

Disclaimer: This information is believed to be correct but is subject to change and is not warranteed.



Property Record Card
PARCEL\_ID:215/086.0-0001-0000.0 MAP:086.0 BLOCK:0001 LOT:0000.0 PARCEL ADDRESS: LYMAN STREET FY:2012

PARCEL INFORMATION	Use-Code:	914	Sale Price: 0	Book:	Road Type:	Ţ	Inspect Date:
Owner:	Tax Class: Tot Fin Area:	E 0	Sale Date: 00/00/00 Sale Type:	Page: Cert/Doc:	Rd Condition: Traffic:	P M	Meas Date: Entrance:
COMMONWEALTH OF MASS	Tot Land Area:	_	Sale Valid:	OCIUDOC.	Water:		Collect Id:
WESTBOROUGH STATE HOSPITAL Address:			Grantor:		Sewer:		Inspect Reas:
P.O. BOX 288 WESTBOROUGH MA 01581	Exempt-B/L%	1	Resid-B/L% /	Comm-B/L <b>f</b> %	Indust-B/L%	1	Open Sp-B/L% /

WESTBOROUGH MA 01581	Exempt-b/E/0 / Resid-b/E/0/				70	iiiuust-	D/L/0 .		pen op-b/L/0	•
		NBHI	D CODE	: 5 N	NBHD CL	AND IN	FORMA ZONE			
		Seg	Type	Code	Method		Acres	Influ-Y/N	Value	Class
		1	P R	914 914	S A	500000 4204411			2,534,750 1,407,261	
		3	R	914	A	1133867			37,951	
					VAI			MATION		
		Curre	nt Total:	3,980,0					,000 MktLnd:	3,980,000
		Prid	or Total:	3,980,0	000 Bld	g:	0 La	and: 3,980	,000 MktLnd:	3,980,000
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Property Record Card
PARCEL\_ID:215/086.0-0002-0000.0 MAP:086.0 BLOCK:0002 LOT:0000.0 PARCEL ADDRESS: LYMAN STREET FY:2012

Owner: COMMONWEALTH OF MASS WESTBOROUGH STATE HOSPITAL Address: P.O. BOX 288  Tot Fin Area: 0 Sale Type: Cert/Doc: Traffic: M Entrance: Collect Id: Grantor: Sewer: Inspect Reas:  Comm-B/L % / Resid-B/L % / Comm-B/L % Indust-B/L % / Open Sp-B/L % /	PARCEL INFORMATION	Use-Code:	914	Sale Price: 0	Book:	Road Type:	Ţ	Inspect Date:
COMMONWEALTH OF MASS WESTBOROUGH STATE HOSPITAL Address: P.O. BOX 288  Tot Land Area: 162.12 Sale Valid: Water: Collect Id: Grantor: Sewer: Inspect Reas:  Fxempt-B/I % / Resid-B/I % / Comm-B/I % Indust-B/I % / Open Sp-B/I % /		Tax Class: Tot Fin Area:	E 0	Sale Date: 00/00/00 Sale Type:	Page: Cert/Doc:			Meas Date: Entrance:
Address:  P.O. BOX 288  Fxempt-B/I % / Resid-B/I % / Comm-B/I % Indust-B/I % / Open Sp-B/I % /			162.12	Sale Valid:		Water:		Collect Id:
TEXEMPT-B/I % / RESIG-B/I % / COMM-B/I // INDUST-B/I % / ODEN SO-B/I % /				Grantor:		Sewer:		Inspect Reas:
WESTROPOLICUMA 01591	P.O. BOX 288 WESTBOROUGH MA 01581	Exempt-B/L%	1	Resid-B/L% /	Comm-B/L <b>/</b> %	Indust-B/L%	1	Open Sp-B/L% /

Exempt-b/E/0 1 Resid-b/E/01				., .		2,2,0	<u> </u>	оро ор 2/2/0	
	LAND INFORMATION NBHD CODE: 14 NBHD CLASS: 0 ZONE: I								
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			7,324,	<b>V</b> 600 B	<b>LUATIOI</b> dg:	N INFOR	MATION and: 7,	<b>N</b> ,324,600 MktLnd:	
	PHO	ТО		9791	37447 - 415010	90000			
		NBHI Seg 1 2 3 Curre	NBHD CODE Seg Type 1 P 2 R	NBHD CODE: 14  Seg Type Code 1 P 914 2 R 914 3 R 914  Current Total: 7,324, Prior Total: 7,324, PHOTO	NBHD CODE: 14 NBHD ( Seg Type Code Method 1 P 914 A 2 R 914 A 3 R 914 A  Current Total: 7,324,600 Bloom Prior Total: 7,324,600 Bloom PHOTO	NBHD CODE: 14   NBHD CLASS: 0	LAND INFORMA   NBHD CODE: 14   NBHD CLASS: 0   ZON   Seg   Type   Code   Method   Sq-Ft   Acres   1   P   914   A   1380000   31.680   2   R   914   A   4236210   97.250   3   R   914   A   1445756   33.190	LAND INFORMATION   NBHD CDE: 14   NBHD CLASS: 0   ZONE: 1	LAND INFORMATION   NBHD CODE: 14   NBHD CLASS: 0   ZONE: I

# Property Record Card PARCEL\_ID:215/091.0-0001-0000.0 MAP:091.0 BLOCK:0001 LOT:0000.0 PARCEL ADDRESS:-OFF LYMAN STREET FY:2012

PARCEL INFORMATION	Use-Code:	914	Sale Price: 0	Book:	Road Type:	T	Inspect Date:
O	Tax Class:	E	Sale Date: <b>00/00/0</b>	<b>0</b> Page:	Rd Condition:	Р	Meas Date:
Owner: COMMONWEALTH OF MASS	Tot Fin Area:	0	Sale Type:	Cert/Doc:	Traffic:	M	Entrance:
WESTBOROUGH STATE HOSPITAL	Tot Land Area:	5.46	Sale Valid:		Water:		Collect Id:
Address:			Grantor:		Sewer:		Inspect Reas:
P.O. BOX 288 WESTBOROUGH MA 01581	Exempt-B/L%	1	Resid-B/L% /	Comm-B/L ///////////////////////////////////	Indust-B/L%	1	Open Sp-B/L% /
WESTBURGUER WIA 01301			<u> </u>				<u> </u>

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Project Created By:

Sheila Barry Sheila.Barry@shawgrp.com

Shaw Environmental

3475273 - Westborough State Hospital Campus-West/Northboroug Shaw Environmental Project:

Client:

Mortgage Banker:

, Phone: Email:

Date Draft Report Required: Date Final Report Required: 01/01/2013 01/01/2013

Property #	Address	Contact	Report Types	Fees
TBD	Westborough State		PARCEL	
	Hospital		FastTrack	
	Campus-West/Northboro			
	ug			
	288 Lyman Street			
	Westborough, MA 01581			



# NORTHBOROUGH FIRE DEPARTMENT

11 PIERCE STREET

NORTHBOROUGH, MASS. 01532-1907

BUSINESS TELEPHONE (508) 393-1537 FAX (508) 393-1539

December 31, 2012

Mr. Edward Van Doren Shaw Group, Inc. 150 Royall Street Canton, MA 02021

Dear Mr. Van Doren:

The following report is in response to your request for Fire Department information concerning your 21E environmental research on Westborough State Hospital. The property located at *0 Lyman Street* in our town, which is known as *GIS Map 86 Parcel 1* in the Assessors Office is one of the hospital parcels and will be the hub of this research report. Please note that Westborough State Hospital property encompasses four parcels in Northborough: *GIS Map 86 Parcel 1*, *GIS Map 86 Parcel 2*, *Map 91 Parcel 1* and *GIS Map 71 Parcel 26*. Information on these four hospital parcels will be presented together in this report due to the documentation associated with them. This information is as accurate and complete as Fire Department records allow and includes verification information from the Assessor's Office. Two town GIS Map copies, #86 and #91, from 2008 are included with this report. They have handwritten identifications of the buildings for Westborough State Hospital.

This report includes 21E information on direct abutting properties, roadways and waterways to the extent that fire department records allow.

Lyman Street (Assessors Map 107 Parcel 2; GIS Map 86 Parcel 1) is 125.53 acres in size and has a use code – 901, state owned land. The Commonwealth of Massachusetts as part of Westborough State Hospital owns it according to the Town Assessor.

The hospital land in Northborough concerning this parcel was used as a pig farm many years ago and also contained some residential structures. Old farm buildings in disrepair including barns could be seen from Lyman Street until they were torn down several years ago.

Information on the three hospital properties in Northborough is described in a copy of portions of a manual of Hazardous Materials Management at Westborough State Hospital dated 4/10/96. This manual includes a map, "L-1", listing all of the buildings and the locations of Hazardous Materials at the hospital in both Northborough and Westborough. This map identifies hospital buildings that contain hazardous materials. The Northborough buildings on *GIS Map 86 Parcel 2* include: waste oil storage in a storage building; Boiler water chemicals and industrial maintenance products in the power plant; and corrosives, flammables, industrial

maintenance products, vehicle maintenance products, waste oil, antifreeze and batteries in the garage. Northborough buildings on *GIS Map 86 Parcel 1* had no listed hazardous materials on this map. Northborough buildings on *GIS Map 91 Parcel 1* according to this map include: corrosives, flammables, and industrial maintenance products in the Maintenance Building. Please note that the current Northborough GIS Map does not include a structure on this parcel. The maintenance building appears to now be located in Westborough. No information was found on the map for *GIS Map 71 Parcel 6*.

A notation on the map states: "Additional Hazardous Materials ..... These materials include but are not limited to Asbestos: Insulation, flooring, roof materials and other building materials; PCBs: Electrical transformers and switches; and Lead: Paint and finishes."

This Hazardous Materials Manual includes a listing for Fuel Oil Storage. Northborough parcels listing Fuel Oil Storage are: *GIS Map 86 Parcel 2* – underground #6 oil and underground #2 oil at the power house, underground #2 oil at the greenhouse, and above ground diesel at the garage. Underground gasoline at the storeroom may also be associated with this parcel. *GIS Map 86 Parcel 1* – none. *GIS Map 91 Parcel 1* – none. *GIS Map 71 Parcel 6* – none.

Individual Chemical and Product Inventory Sheets were in this manual for various buildings on hospital grounds. They are included with this report.

An inventory of substances from the piggery at *GIS Map 86 Parcel 1* was sent to Chief Walter Perron of the Westborough Fire Department on Westborough State Hospital letterhead and dated 8/17/98. This letter details many hazardous waste substances including pesticides, mercury salts, cyanide compounds, copper and nickel salts, arsenic salts, pentachloronitro benzene and fumigant cylinders of Vapona to name a few of the 26 listed. A complete list is included with this report in the 8/17/98 letter. The amount of these substances totaled 1,045 gallons. These substances were packaged and ready to ship to approved licensed facilities according to this letter. As of the date of the letter, these substances were temporarily stored in a satellite Hazardous Waste Accumulation Site in the Salvage Yard.

Another letter from Westborough State Hospital dated 8/17/98 provided a chemical inventory of materials used in various industrial operations at the hospital then. Numerous pesticides, herbicides, insecticides and machinery maintenance substances are listed for the greenhouse on *GIS Map 86 Parcel 2*. Numerous substances including stains, paint & varnish removers, cleaning substances, oils and gasoline and others are listed for the maintenance shop on *GIS Map 86 Parcel 2*. Numerous substances including water testers, sulfuric acid, sodium hydroxide, Freon, solvents, oils, cleaners, lubricants; antifreeze and a 250 gallon tank with kerosene are listed for the powerhouse on *GIS Map 86 Parcel 2*. The sheets are listed by building or function of a building and they contain lists of individual substances and their amounts on site. No information pertaining to *GIS Map 71 Parcel 6* was found in this document.

Fire department files on the piggery at *GIS Map 86 Parcel 1* list an Application and Permit for Storage Tank Removal and Transportation to Approved Tank Disposal Yard that is dated 3/17/00. It tells of 5,000-gallon tank last containing oil. Fire department personnel notations state that there did not appear to be any contamination upon removal. Also, one incident associated with this property is #2003-1269 at 100 Lyman Street, was a small fire in

one of the barns causing minimal damage to the barn. No other records were located in a search of fire department files on this parcel associated with 21E research.

Chauncy Hall is located on *GIS Map 86 Parcel 2*. A Westborough Fire department Inspection Report dated 6/13/97 notes some information concerning the wood shop there. Specifically, "Where flammable solvents are used for the refinishing of furniture, the rags and papers exposed to them must be removed daily. All flammable paints and materials must be kept in a metal locker clearly marked as flammable..." "All non-flammable paints should be kept in the same or similar locker..."

No other information was found in a search of fire department files on GIS Map 86 Parcel 2, Map 91 Parcel 1or GIS Map 71 Parcel 26.

Abutters to **GIS Map 86 Parcel 1** are listed as follows from the North and continuing in a clockwise manner around the property of your request:

80 Lyman Street (Assessors Map 88 Parcel 11; GIS Map 71 Parcel 1) is owned by El Khoury, Fawaz. The parcel is 2 acres in size and is classified as 401 per the Assessor's Office. A class C structure, a metal walled, metal roof, brick veneer warehouse, built in 1984 improves the property Two businesses occupied it in 2003, Kemp Foods and Systematics, Inc.

A search of fire department records on this property revealed no information pertinent to 21E research.

**Lyman Street** has several known incidents of concern to your 21E research held in fire department files. A diesel fuel spill occurred on 12/7/1993 from a fuel line rupture on a tractor-trailer near Chauncy Hall in front of 167 Lyman St. It is incident #93-1124. DEP release tracking number for this incident is #2-10111. It was classified via DEP as No Significant Risk and a Class A-1 Response Action Outcome.

Incident #1998-874 occurred on 6/16/98 and was for response to a single car motor vehicle accident with a spill of 1-2 gallons of fuel onto the side of the roadway in front of 167 Lyman Street.

Incident #2002-22 occurred on 1/4/07 and was for response to a tractor trailer roll over near Chauncy Hall. Incident records list this location as 175 Lyman Street. The saddle tanks of the tractor leaked diesel fuel. The DEP was on the scene of this release.

Incident #2007-874 occurred on 6/16/98 and was for response to a single car motor vehicle accident with a spill of 1-2 gallons of fuel onto the side of the roadway in front of 167 Lyman Street.

No other records were located in fire department files on this roadway for 21E purposes.

Talbot Road has no known associated 21E records after a search of fire department files.

79 Lyman Street (Assessors Map 88 Parcel 9; GIS Map 71 Parcel 25) is 2.11 acres in size according to the Assessor's Office and is owned by Division 4 Properties. Its use code is

- 401. The property is improved by a class C building constructed in 1980 and improved upon in 1987. Heating fuel is unknown. One record was found in fire department files concerning this property, Incident #2008-1694, that occurred on 11/10/08. This incident was for the investigation of an abandoned group of 55 gallon drums, 5 gallon pails, fuel containers and safety cans. The owner was notified and the owner made arrangements for removal of these drums and pails. No other information regarding 21E research was found in a search of fire department files for this property.
- Off Lyman Street (Assessors Map 88 Parcel 6; GIS Map 71 Parcel 26) is 6.03 acres in size and has a use code 901 per the Assessor's Office. The Commonwealth of Massachusetts owns it as part of Westborough State Hospital. Information on this parcel may be found at the beginning of this report.
- *O Lyman Street (GIS Map 86 Parcel 2)* is 162.12 acres and is owned by the Commonwealth of Massachusetts as part of Westborough State Hospital. This parcel houses Chauncy Hall at #187 Lyman St., two storage buildings, and old greenhouse, a power plant and a maintenance building. Information on this parcel may be found at the beginning of this report. There are some wetlands associated with this property, however, no information was found in a search of fire department files concerning these wetlands.

**Hospital Road** has no known 21E incidents or records after a search of fire department records.

Off Lyman Street (GIS Map 91 Parcel 1) is 5.46 acres and is owned by the Commonwealth of Massachusetts as part of Westborough State Hospital according to Town Assessor's information. Information on this parcel may be found at the beginning of this report.

#### Town of Westborough

- *O Lyman Street (GIS Map 92 Parcel 35)* is owned by the Commonwealth of Massachusetts Fish and Game Division and is 3.90 acres in size. No information was found on this parcel in a search of fire department records. A streamlet is associated with property. No information was found in a search of fire department files on this streamlet.
- 5 Kimball Lane (GIS Map 92 Parcel 24) is owned by John Fragola of the same address. The parcel is .67 acres in size and is classified as single-family house per the Assessor's Office. The house, a raised ranch, was constructed in 1971 with improvements made in 1993. Assessor's records list the house as having gas heat. No 21E records were found regarding this property after a search of fire department records.

**Kimball Lane** has no known incidents listed in fire department files with regards to 21E research.

8 Kimball Lane (GIS Map 92 Parcel 23) is listed as having .53 acres per the Assessor's Office and owned by Michael and Eleanor Zelnick of the same address. A raised ranch constructed in 1970 and upgraded in 1993 improves the parcel. The house is listed as having gas heat. No 21E information was found in a search of fire department files on this parcel.

6 Kimball Lane (GIS Map 92 Parcel 22) is owner occupied by the Chase Family Irrevocable Trust according to the Town Assessor's Office. It encompasses .9 acres and the parcel is improved by a raised ranch constructed in 1970 and improved upon in 1993. The house is listed as having gas heat. No 21E records were found regarding this property after a search of fire department records.

Off Juniper Brook Road (GIS Map 92 Parcel 17) is listed by the Town Assessor as owned by Juniper Hill Golf Course, Inc. and having 1.214 acres. Its use is as Residual Undevelopable Land. No information relating to 21E research was found in a search of fire department files concerning this parcel.

202 Brigham Street (GIS Map 73 Parcel 41) is owned by the Juniper Hill Golf Course Inc. of the same address. According to Town Assessor's records the parcel is 190.741 acres and use of the parcel is classified as Res-Chapter 61B. In 2009 GIS Map 84 Parcel 22 was incorporated into this parcel. GIS Map 84 Parcel 22 contained no structures and abutted Little Chauncy Pond. It was 106.39 acres. This old parcel was the direct abutter to the parcel of your research. No 21E information was found with respect to this old parcel in fire department files.

The current parcel GIS Map 73 Parcel 41 is listed per the Town Assessor as having a single story Class C building built in 1975, a single story Class S building built in 1999, a two story Class D building built in 1866 that is now the golf course clubhouse, and a two story Class D built in 2000. Detached structures include a Cabana built in 1999, a Fuel Tank installed in 1987, and a structure designated as Other built in 1991.

The first record associated with this parcel is a Permit to Install/Alter Fuel Oil burning Equipment dated 10/4/56. It lists a 275 gal. tank in the cellar.

Fire department records list an Application for Permit/Permit for "permission to store 25 gal. of gasoline....used for golf course equipment." dated 3/25/77.

Another record associated with this parcel is a Permit to Install/Alter Fuel Oil burning Equipment dated 4/21/77. It lists a 550 gal. tank in the cellar.

Application for License was made on 6/26/81 for underground tank storage of gasoline. The license was granted on 8/10/81 for 1,000 gallon. with the stipulation that it be in two 500 gal. tanks. Restictions on the license included "Existing 500 gal. tank must be capped within 45 days after installation of two new 500 gallon tanks." Application for Permit/Permit was issued on 10/19/81 to install (2) 500 gallon tanks underground.

A Northborough Fire Department Aboveground/Underground Tank Storage Information document from 7/8/85 for this address lists 2 UST (underground storage tank) both 4 years old, both containing gasoline and both in use. It also lists a 1,000 gal. LP (liquefied propane) tank – rear workshop.

On 5/2/86 an Application for Permit to Maintain an Existing/New Underground Storage Facility was submitted for this property owned by Juniper Hill Golf Course. This Application lists 2 underground 500 gal. tanks that were 5 years old and currently in use with both containing gasoline. Expiration date for this is 5/2/91.

Another Oil burner/oil permit associated with this parcel is a Permit to Install/Alter Fuel Oil burning Equipment dated 3/14/91. It lists a 275 gal. tank in the basement.

The fire department files show a Receipt of Disposal of Underground Steel Storage Tank dated 5/8/91 for the golf course. No tank information was listed on the receipt.

On 9/19/91 an Application for Permit to Maintain an Existing/New Underground Storage Facility was submitted for this property owned by Juniper Hill Golf Course. This Application lists 2 underground 500 gal. tanks that were 5 years old and currently in use with both containing gasoline. Expiration date for the Permit is 9/19/96.

Technatest tested the two UST on 3/29/95 and issued a letter that both UST passed.

On 3/20/95 an amended Application for Permit to Maintain an Existing/New Underground Storage Facility was submitted for this property owned by Juniper Hill Golf Course. This Application lists 2 underground 500 gal. tanks that were installed 8/81 and currently in use with both containing gasoline. It also lists Tank Leak detection as Inventory record-keeping and tank testing.

Technatest tested the two UST on 4/30/96 and issued a letter that both UST and piping system passed.

MA Department of Public Safety issued a Notice of Violation to the golf course on 10/20/96 that the golf course needs to do inventory control for the USTs. Correction date deadline is listed as 11/20/96.

Technatest tested the two UST on 4/30/97 and issued a letter that both UST and piping system passed.

Technatest tested the two UST on 6/2/98 and issued a letter that both UST and piping system passed.

Application for License was made on 10/14/98 for aboveground tank storage of gasoline. The license was granted on 11/9/98 for 1,000 gallon. Application for Permit/Permit, #1999-125, was issued on 11/17/98 to install 1 1,000 gal tank aboveground for gasoline.

Application and Permit for storage tank removal and transportation to approved tank yard, #R98-1035, was issued on 12/18/98 for removal of 1 550 gal. tank last storing gasoline. The fire department witnessed the removal and noted "Tank in very good shape, no holes in tanks. Ground clean no contamination noted". A second Application and Permit for storage tank removal and transportation to approved tank yard, #R98-1036, was issued on 12/18/98 for removal of 1 550 gal. tank last storing gasoline.

The fire department files show two Receipt of Disposal of Underground Steel Storage Tank dated 12/18/98 for the golf course. Each lists a 550 gal. gasoline tank.

On 2/10/99 an Application for Permit to Maintain an Existing/New Underground Storage Facility was submitted for this property owned by Juniper Hill Golf Course. This Application lists

(1) aboveground 1,000 gal. tank installed 12/18/98 and currently in use containing gasoline. Expiration date for the Permit is 10/14/04.

On 2/11/99 a Notification for Removal or Closure of Storage Tanks Regulated under 527 CMR 9.00 details the removal of two 550 gallon UST originally installed in 8/81.

Ducharme and Wheeler, Inc. issued an Underground Storage Tank Closure Report on 2/9/99 for the golf course. It states in its conclusions that soil sampling indicated no detectable concentrations of oil or hazardous materials, site condition encountered during the removal of the USTs do not require notification to the MA DEP, and groundwater was not encountered during the excavation of the USTs to a maximum depth of 6.5 ft.

Juniper Hill Golf Course, Inc. has reported Tier Two Emergency and Hazardous Chemical Inventory to the fire department each year since 3/2/99. This form reports substances for the previous calendar year. Substances reported on this form in 1999 and 2000 included unleaded gasoline and soluble fertilizers inorganic salts. Substances reported on this form in 2001 to 2010 included unleaded gasoline, liquefied petroleum gas and soluble fertilizers inorganic salts. Substances reported on this form in 2011 and 2012 included gasoline, liquefied petroleum gas, lead acid storage battery and soluble fertilizers inorganic salts.

On 3/5/99 Application for Permit/Permit was issued to the golf course to temporarily "store 275 gallons of diesel fuel for use in vehicles"

On 12/2/99 Application for Permit/Permit, #1999-1040, was issued to the golf course for permission to "install and store LPG for Residential Usage, Heat/Hot Water/Cooking".

On 2/3/00 Permit #2000-242 was issued to "install and store LPG for Residential Usage, Heat/Hot Water/Cooking". It lists the amount a 1,000 gal.

An Application for Permit/Permit and Certificate of Completion for the Installation or Alteration of Fuel Oil burning Equipment and the Storage of Fuel Oil was issued on 4/14/00 for new construction. The new tank permit is #R00-575 and the new burner permit is #R00-573. The form lists (2) 660 gal. tanks in the cellar.

On 7/7/00 an amended Application for Permit to Maintain an Existing/New Underground Storage Facility was submitted for this property owned by Juniper Hill Golf Course. This Application lists (1) aboveground 1,000 gal. tank installed 12/18/98 and currently in use containing gasoline. Expiration date for the Permit is 10/14/04.

On 3/21/01 Permit #2001-247 was issued to "install and store LPG for Residential Usage, Heat/Hot Water/Cooking".

On 12/18/06 a renewal Application for Permit to Maintain an Existing/New Underground Storage Facility was submitted for this property owned by Juniper Hill Golf Course. This Application lists (1) aboveground 1,000 gal. tank installed 12/18/98 and currently in use containing gasoline. Expiration date for the Permit is 12/29/11.

On 1/4/07 Application for Permit/Permit, #2007-16, was issued to the golf course for storage of gasoline.

Incident # 2007-807 occurred on 5/22/07 where a car leaked gasoline onto the parking lot. The gasoline had been contained in a container and was not released onto the ground.

In 2010 Permit #2010-148 was issued for 202 Brigham St. to "install and store LPG for Residential Usage, Heat/Hot Water/Cooking". It lists the amount a 1,000 gal.

A site plan provided by Juniper Hill golf Course, Inc. in February 2011 shows a listing of a 1,000 gal. AST gasoline tank and a 1,000 gal. AST Propane tank on 202 Brigham Street property. It also shows fertilizer storage, a 1,000 gal. UST propane tank and a 1,500 gallon vaulted tank that holds 500 gal. Gasoline and 1,000 gal. Diesel Fuel at golf course property designated as 169 Brigham Street.

The MA Dept. of Environmental Protection issued a Notice of Non-Compliance, #NON-BO-7S002, to 202 Brigham Street on 2/1/12 for "failure to submit a Stage II Form C, Annual In-Use Compliance Certification" and giving the owner 45 days to comply.

The last record found in fire department files for this parcel is an Application for Permit/Permit, #2012-1064, issued to the golf course for above ground storage of 1,000 gal. gasoline.

O Dix Street (GIS Map 85 Parcel 1) contains 8 acres according to the Town Assessor's Office and is owned by Juniper Hill Golf Course Inc. The Town Assessor's Office has listed this parcel as a golf course. The parcel contains no structures. No information was found in a search of fire department fires with respect to 21E research.

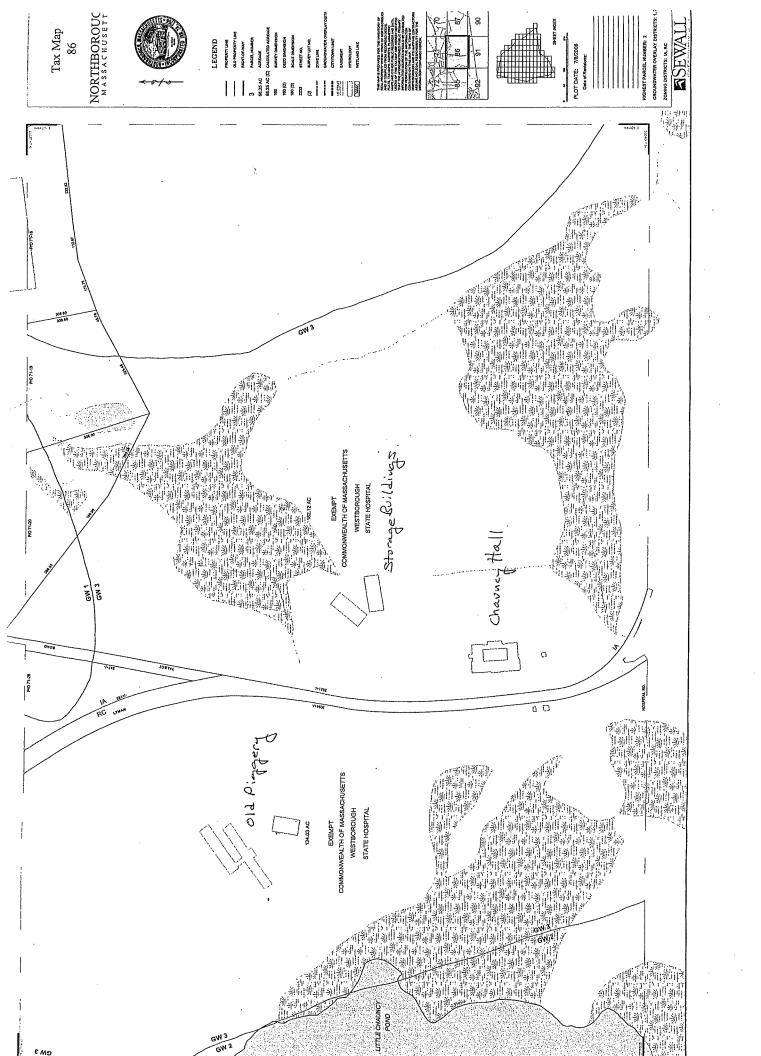
**Little Chauncy Pond** revealed no known 21E information after a search of fire department files.

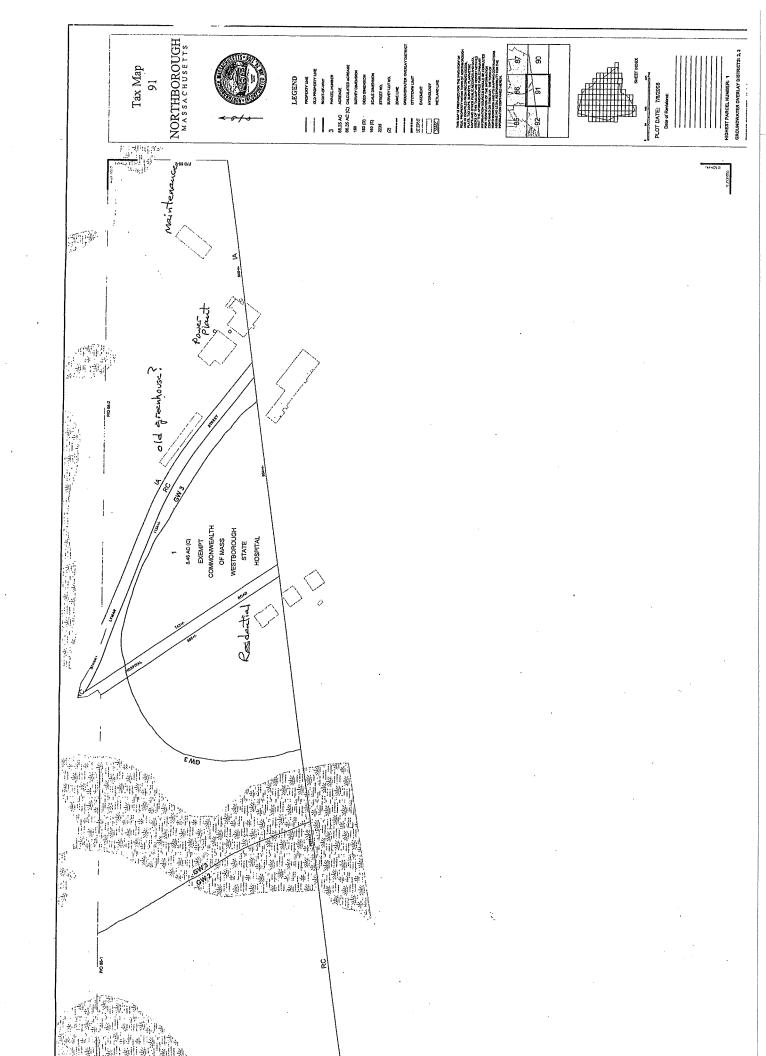
Please feel free to contact me at the Northborough Fire Department should you have any questions or concerns about this report.

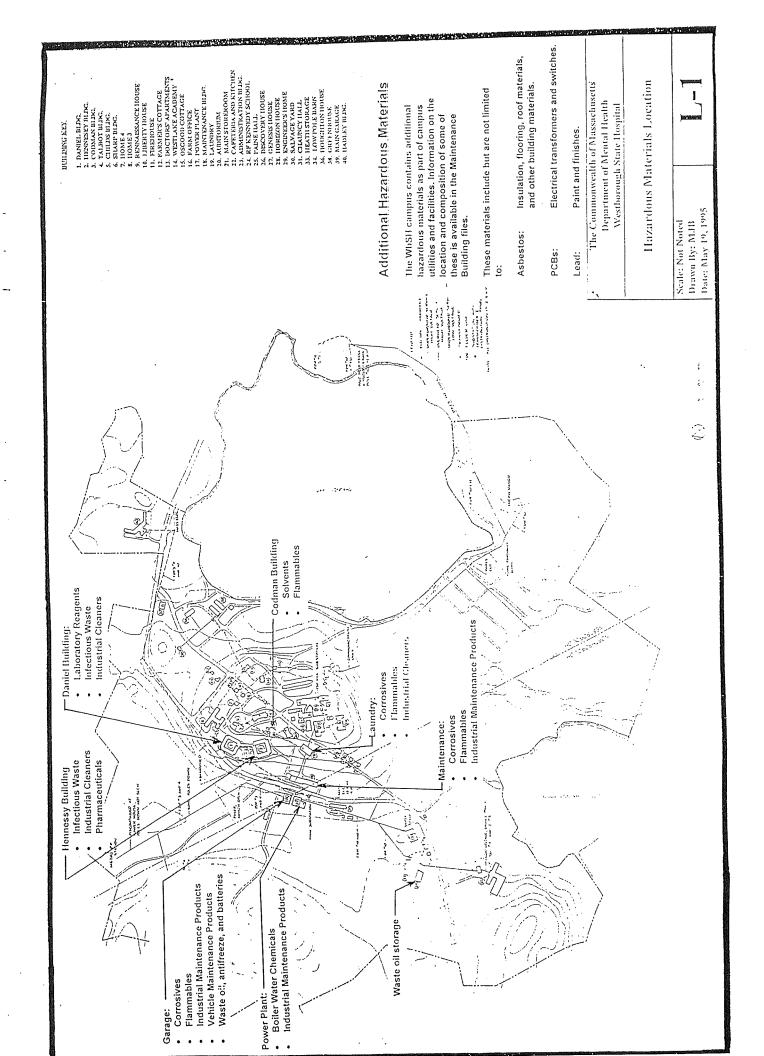
Sincerely,

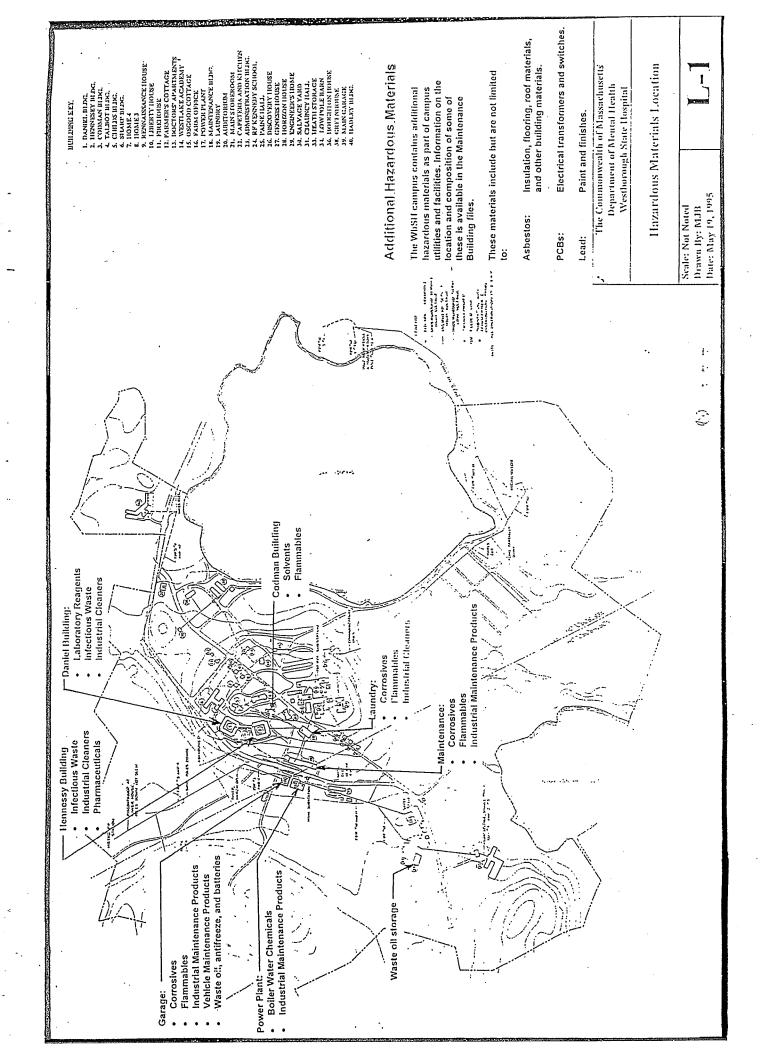
Nancy Lepore, Hazardous Materials Assistant

**ENCLOSURES** 









Hazardous Materials Management

at Westborough State Hospital

Approval Signature:

Name Title

Date

Effective Date: 4/10/96

Last Renewal Date: N/A

Review Period: Annual

Next Renewal Date: 4/10/97

Location in Hospital Policies and Procedures Manual:

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	Cochrational reality of others	617-565-3388 617-860-4300 617-565-3278 617-565-3702 617-787-4957 617-565-3234 617-565-3231 617-565-3599 617-565-3517 617-565-3246 617-573-5794 617-565-2987 617-565-3836 617-565-3282
9.	Utilities Cable Television Greater Media Cable ELECTRIC Massachusetts Electric	799-4934 800-322-7801 478-4660
	GAS Osterman Gas Commonwealth Gas	617-865-2585 800-447-1207 800-572-9300
	Jwp Telecom, Inc Quality Connections	617-329-9966 823-3223 y 617-242-6000
9.	Utilities Cable Television Greater Media Cable ELECTRIC Massachusetts Electric  GAS Osterman Gas  Commonwealth Gas TELEPHONE Jwp Telecom, Inc Quality Connections	799-4934 800-322-7801 478-4660 617-865-2585 800-447-1207 800-572-9300 617-329-9966 823-3223

#### IDENTIFICATION AND MANAGEMENT OF HAZARDOUS MATERIALS 7. AND WASTE

#### HAZARDOUS MATERIALS (GENERAL) Α.

The following locations normally contain specific hazardous materials used at WbSH. MSDS books containing the materials normally stored at each site or used by employees working in these areas have been provided at each site. A summary of hazardous materials at WbSH is provided below.

- Laboratory: Various reagents 1.
- Pharmacy: Pharmaceuticals and certain materials not except 2. from Food and Drug Administration regulations
- Laundry: Corrosives and fiammables, cleaning agents 3.
- Power House: Water treatment compounds and other industrial materials

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- 5. Maintenance: Flammables. corrosives. paints, solvents, and other industrial materials
- 6. Garage and farm: Pesticices, herbicides, solvents, oils, lubricants, vehicle maintenance products, and other industrial products
- 7. Codman: Flammables, paints, solvents, and other similar materials
- 8. Daniel Pottery Shop: Paints, flammables, solvents, and other similar products
- 9. Inpatient Buildings: Housekeeping products
- 10. Residential Programs: Housekeeping products

#### B. HAZARDOUS WASTE (GENERAL)

Hazardous waste streams at WbSH are summarized as follows:

- 1. Garage/vehicle maintenance: Waste oil, antifreeze, Speedi Dri<sup>5</sup>, rags, batteries, and other similar industrial waste
- 2. Daniel X-ray processes: Sliver waste from x-ray process

#### C. INDUSTRIAL WASTEWATER

Industrial wastewater streams at WbSH include:

- 1. Laboratory: Reagents
- 2. Daniel Pottery Shop: Lead and chromium glazing
- 3. Garage: Floor drains and compressor bleed off to leaching field
- 4. Power House: Boiler blowcown to leaching field

#### D. INFECTIOUS WASTE

Infectious waste, including contaminated sharps, are generated and stored for disposal in patient units and other patient care areas at WbSH. The WbSH Infection Control Manual provides detailed guidance relative to the management of infectious materials.

#### E. ASBESTOS

WbSH facilities contain asbestos-containing building materials (ACM) in various forms and locations. The ACM includes thermal insulation, roofing materials, flooring, and other building materials. Files within the Maintenance Building contain additional information regarding the location and condition of ACM at WbSH.

#### F. LEAD PAINT

WbSH facilities contain lead paint in various forms and locations. The lead paint includes interior as well as exterior paint. In addition, soil adjacent to wood frame structures may have been contaminated to a certain degree. Files within the Maintenance Building contain additional information regarding the location and condition at WbSH, including an extensive study of Home Four.

#### G. PCBs

WbSH facilities contain polychlorinated biphenyls (PCBs) in various forms and locations. The PCBs includes electrical transformers and high voltage electrical disconnect switches. Files within the Maintenance Building contain additional information regarding the location and condition of PCBs at WbSH.

#### H. FUEL OIL STORAGE

WbSH facilities contain fuel oil storage in various forms and locations. Files within the Maintenance Euilding contain additional information regarding the location and condition of fuel oil storage at WbSH. Active storage systems include but are not limited to:

#### I. LOCATION OF MSDS DOCUMENTS

MSDS documents are maintained for hazardous materials at WbSH in a central location in the DFES office. In addition, MSDS documents used by individual departments are kept in three ring binders in the following departments:

- 1. Hennessy: Supervisor's Office
- 2. Daniel: UMMC II
- 3. Hadley Office Area
- 4. Main Kitchen
- 5. Magic Circus
- 6. Osgood Cottage
- 7. Codman Wood Shop
- 8. Codman Building
- 9. Classic Cafe
- 10. Daniel Clinic
- 11. Daniel X-Ray
- 12. Daniel Housekeeping
- 13. Daniel Beautician
- 14. Daniel Pottery Shop
- 15. Daniel Supervisor's Office
- 16. Daniel Laboratory
- 17. Hennessy Housekeeping
- 18. Hennessy Cafeteria
- 19. Hennessy O. T.

- 20. Maintenance
- 21. Power Plant
- 22. Garage
- 23. Administration Housekeeping
- 24. Hadley Housekeeping
- 25. Houghton
- 26. Genesis
- 27. Horizon
- 28. Liberty
- 29. Discovery
- 30. Renaissance
- 31. Home 3
- 32. Greenhouse
- 33. Laundry

#### 8. REQUIREMENTS FOR HAZARDOUS WASTE STORAGE

The Massachusetts hazardous waste regulations (310 CMR 30,000) govern the generation, storage, collection, transport, treatment, disposal, use, and recycling of hazardous waste in the commonwealth.

The WbSH facility will be a Very Small Quantity Generator (VSQG) of hazardous waste. VSQGs (generate less than 220 pounds of hazardous waste per month) have accumulation limits 600 kg in containers (such as drums) and no time limit. The WbSH Hazardous Materials Management Plan provides detailed guidance regarding these issues.

9. REQUIREMENTS FOR HAZARDOUS MATERIALS STORAGE
The requirements for the storage of flammable and combustible liquids fall under the National Fire Protection Association (NFPA) Code 30. The WbSH Hazardous Materials Management Flam provides detailed guidance regarding these issues.

#### 10. EMPLOYEE RIGHT TO KNOW

The purpose of this section is to provide guidance for informing employees of the hospital program to comply with the Commonwealth of Massachusetts Right to Know Laws. This is accomplished by compiling a hazardous chemicals list, by using Material Safety Data Sheets (MSDSs), by ensuring that containers are labeled or otherwise identified, and by providing employees with training.

This program applies to all work operations where employees may be exposed to hazardous substances under normal working conditions or during an emergency situation. At Westborough State Hospital (WbSH), health care, maintenance, power house, and grounds staff are the employees with the greatest potential exposures to hazardous chemicals. In addition, WbSH must ensure that contractors have a Hazard Communication Program compatible with

CHEMICAL and PRODUCT INVENTORY SHEET

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6. How Dity Wax		Custing Chemical	FC.2	7.		
7. Singway Powder		Things Somittery Supply	Uly Polessent st			
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1. Nastral Chaver		Costem Chun Co	1 Tackhir 3 F		1	
2. Elminoter		Saw, 16/16 Syofy	xE Shrowsbury 57 14-15-15-1611, 61613			
3. Pring 122		z z z				
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2. Shine UP		,					
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4. S. J. J. M. K.	Syne 1.1.1	,,			1)/1/2/61 13/2/14	5/61	1/6//
5. Jack Handarck		The B. Tehner Polish Co	120 Bart Act 36 Klodberry 1911 Ath				
6. M. FY		ANNEP INC	STO Melistrial Birk Dr Novietta Good 12				
7. Take - OFF	,	Allston Signily Co	2000 alon st Syrus Fold, Att 01104				
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1. Hot Shot		M. STOTSIN				
2. Display		Swothey Prelats Cerp	35-119.84 = 57 HAND EN, CT. 06514			
3. LAV - G/0		Saulary Brownet	5.00 C Phoson Tubl 184 5 16/2000 CT. 06.074		1/31/96	
4. Sporgunt 35 G		Sprotow Charle	10 A Westward free			-
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6. Lysol Drowfeiter T						
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7 M M 6 1.1.2	L.12 10/1.7c	Crystol chamical Co	16.1 Ke Full, 16/1 01880			
3. Z.quil		Mess Sanitory Sypoly	6.64 Blowson 3 F			
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(1/510 STrids) STrids		1/		1/3/2/6/	
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THACHTORY COUPLETED BY:

CHEMICAL and PRODUCT INVENTORY SHEET

		HANUFACTURER'S	MANUFACTURER'S	NSDS		
PRODUCT NAME	- THEMICAL	OF DISTRIBUTOR'S NAME	or DISTRIBUTOR'S ADDRESS	YES NO	- REC	RECEIVED
1. Aut. Sper	Chyper in	Fronk Full Certif	104 cer-107 87 1365 38 601			
2. / yyysir odo		Busy Burnet 160	1111 1374 STURY Brown 18 11218			
3. Birticide						
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		manualata for each chemical or product you list.	or product you list.	 		

THAT BLOBY COMPUTED BY:

CHEMICAL ard PRODUCT INVENTORY SHEET

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INVENTORY COMPLETED BY: \_

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CHEMICAL BINT PRODUCT INVENTORY SHEET

		HANUFACTURER'S	MANUFACTURER'S	HSDS		L .
PROOUCT   NAME	, PIIEH I CAL NAME	OF DISTRIBUTOR'S NAME	OF DISTRIBUTOR'S ADDRESS	YES   N	NO REQUESTED	RECEIVED
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Please print and make certain that the first of four columns are complete . The last two columns are not your responsibility.

o columns are not your responsion

CHEMICAL and PRODUCT INVENTORY SHEET

	ú	MANUFACIURER'S	MANUTACTURLR'S	MSDS		
PRODUCT NAME	CHEMICAL	OISTRIBUTOR'S NAME	or DISTRIBUTOR'S AUDRESS	YES NO	DATE   REQUESTED	RECEIVED
1. Moruel		Marvel as Coming				
2. Sunshire Klow		Surshive charical for ha	/11		1.2/2	
3. XL 53		Mollo Chom Cong.  By 250 Hour Perior Cong.  Chow Cong.	7.7%		12/2	
4. GUNK 1-7.15	\	15 1 Second		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.6.	- !
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6. 5-56						
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CHEMICAL BINT PRODUCT THVENTORY SHEET

9

1		MANUTACTURER'S	HANUTACIURER'S	HSDS	SC		
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1.	W Grid	UNIGARD Corps			-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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		189 and 188, dong 136 Beat wy C.	10.00 cm 11.		:	1	1
5. Kriker Bist I		Drs Planner 16	7087 837-5666	f	7		
6. Cristy		Gristy Cerps 1231 Authority Dr.	57646015 11/2 CHAR	.5	7	5 /2//2	13/3/45
1. 1. 1064 23	600 K.L	Metro chord Cerp	4 / 2 ? !	1	7	5/5/198	
10. Cristy		Sal Action 17 Dr	0 e /1.		1	201/22	11/17/11
19. /2/2/0r		Dission of Ashlandell			7	13/15/2	-
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Please print and make certain that the first of four columns are complete for each chemical or product you list. The last two columns are not your responsibility.

DUPARTMENT: HIVERLORY CORPUTION BY:

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CHEMICAL BIRL PRODUCT INVENTORY SHEET

	1	NAMUFACTURER'S	MANULACTURER 'S	HSDS		u v
PROOUCT NAME	J CILMICAL NAME	or o	OF DISTRIBUTOR'S ADDRISS	YES NO	DATE  REQUESTED	RECEIVED
"Alutor Medic		Reinoter Specialty Col. Charkette N.C. 28123	23 7			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2. SPiny way		Solay ing Inc. Addison, Mancis	- 4466	7		
3. Perticure	,	Porteet Equipaling	1500-237-1566	1		
1. Orl Sin/		160 15 12.00		7 :-		
5. Cost chaste china	Thulthe Guray Clarence	Moc's Ny No Ny				1
6. UNIVERSAL CONCOUT		Consel Predonts				
7. Carbot Chake		Kawson Grechests Dur Planes 14.		7		1
10. 1011c Dryor		howson Bodusts				
6						

DEPARTMENT: DIVERTORY COMPLETED BY:

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CHEMICAL AND PRODUCT INVENTORY SHEET

					_	
		, HANUFACTURER'S	MANUFACTURER'S	HSUS	DATE	DATE
PRODUCT	CHEMICAL.	OF DISTRIBUTOR'S NAME	or DISTRIBUTOR'S ADDRESS	YES NO	REQUESTED	RECEIVED
NAME I		34 1 . 1 Browns Tire 11. 6	c			1
Port - Park		Mariellan				
BUZZALKONIUM CHIGITIC	<i>~</i> V	H+ P INCLITION		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
10/01		Trough Scientific				
Cytology +		21/20/cal Posts 500	V			
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. Born c. Ac. 0		CHUI- 12.11 (C.		7		
Buldong	Mee Tec-	Don Po Hiksullin				
Alcoho		Molline KindT inc		<del></del>		
hysel Dis		1/0 town hot				-
please print and make certain that the first of f The last two columns are not your responsibility.	hat the first of four colu ur responsibility.	Please print and make certain that the first of four columns are complete for each chemical or product you list. The last two columns are not your responsibility.		рерактиент: 🚣	Love 10	C/c-

INVEHIORY COMPLETED BY:

1111.6:



### Marylou Sudders Commissioner

### The Commonwealth of Massachusetts Department of Mental Health Metro Suburban Area Westborough State Hospital

P.O. Box 288, Lyman Street Westborough, Massachusetts 01581 (508) 792-7400

(508) 366-4401

Fax: (508) 792-7430

THEODORE E. KIROUSIS

Area Director

STEVEN SCHEIBEL Cheif Operating Officer

RECEIVED

TAUG 24 1998

August 17, 1998

NORTHBOROUGH FIRE DEPT.

Chief Walter Perron Westborough Fire Department 42 Milk Street Westborough, MA 01581

Attached is an inventory of waste pesticide materials prepared by JTS Group Inc. (Environmental & Disposal Consultants). These pesticides are temporarily stored in a satellite Hazardous Waste Accumulation Site in the Salvage Yard. These materials are packaged, ready to ship and should be removed within ninety days.

In the event of a fire involving these materials, the following people should be contacted for assistance:

- Power Plant Engineer at (508) 366-4401 x 2776
- Executive on Call at (508) 366-4401 x 0 (Operator)
- Director of Engineering at (508) 366-4401 x 2772
- Safety Officer at (508) 366-4401 x 2036

Please call me at (508) 366-4401 x 2772 with questions regarding this matter.

Martin J. Barry, PE

Director of Engineering

cc:

Chief, Northborough Fire Department Steve Scheibel

Bill Corliss

Felix Vazquez

Jeff Powers

### JTS GROUP INC.

### Environmental & Disposal Consultants \_

162 FLAGG STREET

ar tuang ara a si

WORCESTER, MA 01609

TEL. / FAX (508) 791-3775 PAGER 401-482-6041

Westboro State Hospital Lyman Street Westboro, MA

ATTN: Martin Barry

Director of Engineering

D1100001 01 211621111116	
Dear Marti;	arm at the hospital
Following please find the inventory of pesticides from the pigg	biy at the hospital.
The items are currently stored in one location, packaged and ready to s	mp.
A. Sinox, weed killer 51% solution in water. Dinitrophenolates wetted	With water greater
than 15%, hazard class 6 UN 1321 P.G. II inhalation hazard. 2 x 30	ganon drung and
one 5 gallon nail 30 gallon drums \$415/ea, pail (a) \$125/ea	\$325.00
B. Lime Sulfur solution, 29% Calcium Polysulfide, aqueous, 4 x 55 g	allon drums
overpacking 30 gallon drums @ \$415/ea	21000.00
C. MANEB powder, Manganese carbamate 1 x 55 @ \$455/ea	\$455.00
D. Carbaryl powders, Iron, Zinc salts 1 x 55 @ \$455/ea	\$455.00
F. Calcium Carbide lumps 2 x 100 lbs. drums (a) \$425/ea	\$850.00
F. Thiodan Ramrod Kelthane, Chlorobenzilate powders I x כב ש אוניים ביי די ד	155 \$455.00
G Captan Malathion Methoxychlor powders 1 x 55 gal (a) \$455/ea	- 3433.00
H. Lindane, Tedion, Formacide, Aramite, Dexon powders 1 X 55 @54	155 \$455.00
I Chlordane 73% in petroleum distillates 1 X 5 gallon @ \$145/ea	\$1 <del>4</del> 5.00
I Methoxychlor 24% in methylated naphthalenes 2 x 5 gal (a) \$145/6	ea \$290.00
K "Lethalaire" fumigant cylinders of Vapona 10% 9 x 4 LB @ \$425/	ea \$3823.00
T. Dymid (diphenamide 43%) 8 x 1 gal in 1 drum (a) \$250/ea	\$230.00
M. Thiodan Kelthane Cygon 2e. Formaldehyde, Cyocel liquids Mala	thion, Vapam,
sodium methyl dithio carbamate, Sumithrin, Isosan, Treflan, Triflu	iorann iao pack
liquid pesticides 1 x 47 gal Poly @ \$325	\$323.00
N Terrachlor (pentachloronitro benzene) 1 x 5 gallon (a) \$755/ea	\$755.00
(High cost due to dioxin formation causing out of country incinera	tion as only
disposal option.)	
O. Banrot powder, corrosive, 4 pounds in a 5 gallon container @ 5	\$90 \$90.00m; harrin
Ammonia 11% solution 8 x 1 gallon in lab pack (a) \$185	\$183.00
Q. Dichlorophenyl-o-nitrophenyl ether, 2 x 5 gallon pails @ \$145	/ea \$290.00
R. Floor wax stripper, alkaline aminoethanols 1 x 55 @ \$235	\$235.00
S Dibrom 41% in Xylene 16 x 1 pint, 60% in Xylene 2 gal (a) \$5	385 \$385.00
T. Alanap (Sodium Naphthyl Phthalmate), Solan 4EC (3-chloro-4	1-methylphenyl-2-
methylpentamide in water) 1 x 55 gallon drum @ \$455	\$455.00
U. Vegedex (chloro Allyl diethyl dithio carbamate) 5 x 1 gal lab p	ack
@ \$325	\$325.00
V. Mercury salts 1 x 5 gal (5 pounds) lab pack @ \$125	\$125.00
v. Micromy saits i x 5 gar (5 pounds) me part & value	

W.	Cyanide compounds 15 pounds in 5 gallon pail @ \$155	\$155.00
X.	Copper and Nickel salts in 5 gallon lab pack @ \$100	\$100.00
Y.	Asphalt driveway sealer, 6 x 5 gallon pails @ \$60	\$360.00
Z.	Arsenic salts 5 gallon lab pack @ \$125	\$125.00

Subtotal drum disposal:

\$15,345.00

55 gallon drums - 11

47 gallon drums - 5

30 gallon drums - 4

5 gallon pails - 17

Mass DEP transporter Fee

\$220.00

Transportation to licensed facilities \$450.00

Grand total to complete project

\$16,015.00

Thank you for the opportunity to present this proposal.

Sincerely;

J.T.S. GROUP, INC.

President



Marylou Sudders

Commissioner

THEODORE E. KIROUSIS Area Director

STEVEN SCHEIBEL Cheif Operating Officer

### Department of Mental Health Metro Suburban Area

### Westborough State Hospital

P.O. Box 288, Lyman Street Westborough, Massachusetts 01581 (508) 792-7400

(508) 366-4401

Fax: (508) 792-7430

RECEIVED

TAUG 24 1998

NORTHBOROUGH FIRE DEPT.

August 17, 1998

Chief Walter Perron Westborough Fire Department 42 Milk Street Westborough, MA 01581

Attached is a chemical inventory of materials used in various industrial operations at Westborough State Hospital (WbSH). In addition, WbSH maintains minor inventories of housekeeping and office products throughout the facility.

In the event of a fire involving these materials, the following people should be contacted for assistance:

- Power Plant Engineer at (508) 366-4401 x 2776
- Executive on Call at (508) 366-4401 x 0 (Operator)
- Director of Engineering at (508) 366-4401 x 2772
- Safety Officer at (508) 366-4401 x 2036

Please call me at (508) 366-4401 x 2772 with questions regarding this matter.

Director of Engineering

CC:

Chief, Northborough Fire Department

Department of Environmental Protection, Central Regional Office

Steve Scheibel

Bill Corliss

Felix Vazquez

Jeff Powers

## Chemical Inventory Westborough State Hospital August 12, 1998

## Chemical Inventory of Selected Departments Westborough State Hospital

inh Container	1 2 cz hot	4 3 02 00t.	+	6 I gal. Can	1 lb. bot.	1 12 oz box	1 5 gal can	i I'gal can	1   1 qt. Can	1 16 oz. Can	1 16 oz. Can	1 1/4 gal. Bot	51 lbs.	1 1 gal can	1 11 oz. Can	1 1 lb.	2 32oz. Bot	1 1 gal can	1 I gal can		1 1qt. Bot	1 110z can	1 60z can	1 1 qt bot	.1 16 oz bot	1 19 oz. Can	3 24oz. bot.	1 16 oz bot			
Product Description		Herbicide	Toilet Disinfectant	primer	plant spray killer	power hand soap	Destainer LX-43 (Bleach)	Laundry Detergent	Mercon Automatic transmission fluid	alla poom	unidentifiable substance	li hricant	Charcoal Bridnets	Charles Control of the Control of th		and inducing substance	100t muching succession	Weed allu glass wild	antificeze coolant	allilli coso coolani	o ino man	annous and and an annous an annous and annous annous and annous annous annous and annous annous and annous a	dries ignition systems	alica iginican aj second	Citational station	cal polisii	Splay Blass cleaner	lam and garden insect control	IAWII allu Balucii alloca	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
A STATE OF THE STA		Spot Weeder		and Trim Primer	Killer	Γ	, , , , , , , , , , , , , , , , , , ,	phlend	111				Jucani	dueis	Wood Stain,	ant				oolant	Propane	7	non	Wire Dryer	Gulf-Lite:	Nu Finish	Glance ::	Safer Garden Fungiciue	Spectracide		
Manufacturer		A	Agway	Betco	California	Cheveron Chemical Co.	Dial Corp.	Diversey	Diversey	Dryden Oil Co.	Franklin International	Grace Sierra Horticultural Products	Husqvarna	Kingsford Products	Kyanize	Master Corporation	Merck & Co.	Monsanto	Old World Indust.	Prestone Products Corp.	Propane	R.H. Crown Co.	Radiator Specialty Co.	Radiator Specialty Co.	Reckitt and Colman	Reed-Union Corp.	S.C. Johnson Wax	Safer Inc.	Spectrum Homes & Garden Products		
ASDS# Arready in Old Managaria	PRENHOUSE	1			*			у	y	*		*	*								>		*	*			>				

## Westborough State Hospital

# Chemical Inventory of Selected Departments

ない 一大大学 はない	Amt Conlainer		1   1 gal. can	10 1qt. bot.	2 14 oz tubes	十	1 1507 Bot	1 12 5 oz. Can	1 Jos Dot	10%, 20%	l l qt. Bot	1 1/4 gal.	1 Igal can	1 1/2 gal. Can	1 1/2 gal. Can	1 1 cal can	1 32 oz can	1 3-0 oz Bot	1 1/2 15 Can	1 1/2 10. Can	1   1 gal bot	5 lbs.	1 18 oz. Can	· 6 1802.can	7 18oz.can	1 73 oz can	1		. I cannister	l l gal can	5 lbs.	
ICLUS CONTRACTOR CONTR	Production of the state of the		Lubricant		engine on	grease	plant spray	spray insecticide	spray paint	windshield washer additive	Controls height, promotes flowering	hand written "Trans. Fluid"	open bucket of dark liquid	green nan of dark liquid	open pur ex dark liquid	open bottle of data in the	in paint can	apperars to be black paint	Foamed Alcohol Hand Scrubs	hand cleanser	Liesch	Ghrone lubricant	Carrow Inspectivide	Optial insocitories	spray insecuciac	spray insecticide	spray insecticide	for organic vapors, pesticides, dusts, and	filmes	synthetic gear lubricant	Time	
nventory of Selected Departments	Productive Name:			UDLICALIL		irpose 2		ler				B-Nine Sp	1 0						Alcare	Car Hand Cleaner		Bleach		Orthene	PT 1200 Resmethrin	PT 1300-Orthene	PT-1400 Sumithrin	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Chin Style Cannistel 91 1	Lubri Manc Power 110	
Chemical Invent	Manufacturen	「日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日		Stihl Inc.	11 C 11 C	Sun Co. Line.	lexaco	The Solaris Group	True Value	Tru-Test	Uni-Gard Co.	Uniroyal Chemical	Unknown Substance	unknown substance		UIINIOWI SHOOMING	unknown substanted	Unlabled Container	Unlabled Container	Vestal Labs	Vita-Erb Ltd.	Western Fanily Foods	White and Bagley Co.	Whitmire Research Labs	William Crosses I abs	Whitmire Kesealon Lags.	Whitmire Research Labs.	Whitmire Research Labs.		Willson Safety Products	Witco Corp.	
	Old		SE	1.	5 6	2			*	<u> </u>			*	*	*								*		-	*	*	*		*	-	*
	MSDS# Already in Old Inventory Looking		REENHOUSE																						λ							

### Page 3

## Westborough State Hospital Chemical Inventory of Selected Departments

Total Control of the			1gal. Can	8 oz. Can	1 1/4 gal. Bot	1 gal 22 0z jug	1 145 lb. cannister	l lgal.can	1 gal. Bot	l l gal. Bot	1 l gal bottle	1 Igal. Bot	3 1qt. bots.	1 5 gal can	1 8oz. Can	l l-gal can	1 lot Bot	100 100	1 dt.	1 18 oz.bot	4   1 gal bottles	4 1 gal bottles	1 20 oz. bot	15   1 gal bot	35 lbs.	1 20 oz. bot	1 1/2 gal hot	11/4 But 000	1 l gal. Bot	1 1 gal bot	5 gal. Bot	1 5 gal. Can	
Amt broduct Description。		windshield washer antifreeze 2	I I	Air tool lubricant	thread cutting oil	Family Detergent	dichlorodiflouromethane	Donding Adhesive	Lithle time	Washer of the Remover	Westing Pilm Oil	Gloor Finish	io roughly	all complessor on	Flaming Oil	Wood stain	Thread Cutting Oil	paint &varnish remover	Epoxy Enamel	A Prosol Coil Cleaner	Cloner Derreaser	Cleaner Designation	Illudatian con Signatura	Spiay Diff to Change of Fr	Sludge Keillovei	lithium soap grease	Carpet cleaner	brown liquid leaking from container	Refrigeration oil	Medium Way Lubricant	Machine Oil	Gasoline	
Line in the second seco				rust removei		lumber			3 .	.	e-Kleano		is Floor Finish		Dutch Boy Flatting Oil	78. Ta	Ridgid		low	Digities	ACC:		nula 388	K. O. Dirt Blaster	Sun-Clean Concentrate	Multifak-EP1	Turtle Wax carpet Cleaner		in One of the One	Virginia Keningarana	W&B Industrial Inducation	W&B	
Manufacturer:			Co.	Bowman Distribution	Coilhose Pheumatics	Ö				HOSIDE Chemicals Inc.		1/B Industries. Inc		A11.0.	+	National Lead Co.	orp.	ool Co.	uı			Chair Chem Manufacturer Co.	State Chem Manufacturer Co.	State Chemical Com	Cham Checialties Inc.	Sunshine Cheill. Specialities 1755		Wax	Unlabled Material	Viginia Chemicals	White & Bageley Co.	White & Bapley Co.	
in Old ry Looking	апсе:	Shop	Barcolene Co.	Bowman		Cotter & Co.	Dial Corp	Dunont	Eirestone	HUSSIDE	Inomi	IVB India	oul contract	lylassco,	INTONII	y National	Parks Corp.	Ridge Tool Co.	Savogran	V. Sears		T	y State C	. Glate	Stewar	Sunshi	Texaco	Turtle Wax	Unlab	Vigini		White	
MSDS# Already in Old Looking	Maintenance:	Machine Shop																															

## Westborough State Hospital Chemical Inventory of Selected Departments

	Amt Control of the Co		50 lbs.	1 32 oz bots.	1 16 oz.bot	2   1 gal bots	1   1 gal, Bot	1 5 gal.bot	1 1.5 gal Drum	3 1 gal bot	50 pads	180 lbs.	3   1 Gal Bot	Ť	6 32 oz. bots.	$\dagger$	1	$\dashv$	4 1 Gal Bot	25 lbs.	7 pads	1 1/2 gal. Bot	32 oz. bots	1 1 Pint bot	1 1 as hot	+	2 I gal cans	1 1 gal.	4 32 oz. bots		•• .
され 古代	Product Description		anour melter	show metro:	Mildian stain remover	Millew State Commonidal Deteroent	Clinacian Loca B	Degrease	laurius soci	Duffered Soan	disconsistent of the state of t	dish scrub pads	Chlorinated Detergent	oven/ grill cleaner	Motor Oil	Ammonium Hydroxide	spray grease	-	Cleaner & Wood Stripper	:: -L-orbent	oll absolucing	ig pads	paint thinner	toilet bowl cleaner	Metal Polish	cleaner	Leaving machine oil	sewing instantish remover	Cloner	Cleaner	
	Throduct Name Control of the Control			alt Crystal					izer LX5		Diver Tex Diverside of	Soap Pads			or Oil	oxide		derinor	721		premium Oil Absorbent	Bear-Tex.	Odorless Paint thinner	Crew	Λ		Lav Gio	Type C Oil	565	Enzyme Deodorant	
Themical mychal	Manufacturet			0.00																					/ax	cts Corp	cts Corp.		Lurton Corp.		
		ang		A 1-70 Nohel Salt Inc.				y Calgon Can	Door minusines	Diversey	Diverse	y Diversey	Durawool	y Ecolab	Ecolab	Gulf Oil Corp.	James Austin Co.	I .nbrimatic	Mass Cor	y free Cor	IMIASS COL	y Napa	y Norton	y Reochem inc.	S.C. Johnson Wax	Sanitary Products Corp	Sanitary Products Corp.	Chinger	Starling Clark Lurton Corp.	Trinle Q	Lupie o
	Already in Old	inventory Look	ATINDRY	AUTUNAL																											

## Westborough State Hospital

# Chemical Inventory of Selected Departments

MSDS# Inventory Looking	Old			Manufacturer	E. Broduct Name	Product Description	Amt	Container
AUNDRY								
II.S. Chemical	11.S. Chemical	11.S. Chemical			2 -Suds: See	detergent	41	41 2.5 gal. bots.
U.S. Chemical	U.S. Chemical	U.S. Chemical			4 Destainer	Bleach	20	20 2.5 gal. bots.
IIS Chemical	IIS Chemical	II.S. Chemical			8 Soffener	Softener	7	2.5 gal. bots.
v 11.8 Chemical	v 118 Chemical	11.S. Chemical			7. Soap	Soap	9	2.5 gal. bots.
v IIS Chemical	v ITS Chemical	IIS Chemical			Ind/Com:	Disinfectant Deoderizer Spray	5	15 1/2 oz cans
v 118 Chemical		11 S Chemical			Mix Mate I	Citrus Neutral Cleaner	-	1 gal bots
		11 Simile Co			Pumice Scouring Stick	pumice cleaning stick		8 sticks
T	T	Hillity Sewing Supply	\landa		Endslip .	Belt dressing	6	14 oz cans
Juliliv Sewing Supply	I Hilly Sewing Supply	Ulility Sewing Supply	vladu		Swifty No-stick Spray	dry film lubricant	9	1 lb. cans
Vanortek	Vanortek	Vaportek			Odor Neutralizer		2	Cartridges :
Zen Manufacturing Co.	Zen Manufacturing Co.	Zen Manufacturing Co.	ng Co.		Zepyńamic A	Disinfectant Spray	-	20 oz can
						•		

### Page 6

# Westborough State Hospital Chemical Inventory of Selected Departments

100 m									,														·												
Container		16 oz bots.	16 oz bot	5 oz can	16 oz bot	10 oz cans	3/4 oz can	126 cu ft cyl	5 lb can	1.5 oz tubes	1 qt. Bot	4 oz. Tube	1 lb box	38 oz bot	1 gal bot	17 5 oz cans	1 gal can	1 6 - Dot	70 0Z. BOL	16 oz	16 oz	5 gal	33.8 oz bots	16 oz bot	16.5 oz can	4 oz bot	12 oz can	+	$\dashv$	12 oz can	1.25 gal	1 qt bot	l gal		
Amt		2 1	1	1	2	2	15	-	-	3	-	1		-	-  -	1 "	\ <del> </del> -	- -	-	-		-	m	-	-	· -  -	· -  -	- ;	33	17		1	_		
Product Description	できた。	Cleaner	Car Wax			, Mox	dal Wax	Adnesive spiay			Tollat divin factant	Toller distriction	Olaphica lock field	Daking soua	protectant		insecticide spray	off, the	car wax	Inbricating cmpd.	Tean real			skin cleanser	Windshield Cleaner	Spray Disinfectant				Ice Melter		Aluminum Paint			***
Product Name				T	Plastic and Emblem Adnesive	nserand Kestorer Spra		e Adhesive	Acetylene ::	Water Pump Lubricant		duct Adhere		pure baking Soda	Armor All	Tinctture of Green Soap	Wasp & Homet Killer	I johtening Lift Hydraulic Jack OII	Oursi, n. Wax	Spiral in the state of the stat		ZUD	Penta Wood Seal			Champion Spray On	Disc Brake Quiet		Trinibator Cleaner			Curti-Seal	Interior/Exterior	Deistar Acrylic Car Eugine	
Manufacturer			3M	3M	J.W.	3M	ME	A Prosol Maintenance Products	Aires Northeast	A lemite/Stewart-Warner	Allied Products Corp	Allston Supply Co. Inc.	American Grease Stick Co.	American	Arm & namine	Armor All Froduct colp.	Berwith	Black Leaf	Blackhawk MFG Co.	Blue Coral Inc.	Bostik Emhart	Boyle-Midway	Doyle-triang	Colona Vertal	_	Capitol Citemizar Co.	Chase Froducts	CRC Chemicals USA	Cristy Chemical Corp	Cristy Chemical Corp	Cristy Chemical Corp	Curtis Inc.	Devoe Mirrolac	Ditzler	
PIO	Looking 🖟	H		v 3	T	1	115	1										y		>				1	2							-	-	-	
Already in	Inventory	ARM OFFICE				+	+																												

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## Westborough State Hospital Chemical Inventory of Selected Departments

						$\neg$	П			$\neg$																						
T. Container		lqt cans	16 oz bot	16 oz cans	12 oz cans	24 batteries	13 oz can	1 qt bot	2 gal	5 gai	l gal bot	1 qts bot	14 oz cans	14 oz cans	50 lb bag	50 lb bag	l gal cans	12 oz cans	5 gal can	12 oz can	l gal can	5 gal bucket	12 oz can	6.4 oz cans	13 oz can	20 oz can	I qt cans	55 gal drum	18 oz can	1 gal can	11 oz can	
Amt		. 3	1	. 23	.13		1	9		-	4	3	.2	3	12	-	2	4	-	-	-	-	- 19	9.	-	-	3	-			-	
Product Description		Fluid	foam cleaner	The second	cant	Alkaline Batteries	spray paint	plastic solder autobody filler	grease	Grease		Ammonia	bleach	cleansing powder		Floor Absorbant	Polyurethane	Enamel Spray Paint	Paint ( Secondary or )		Insecticide	degreaser	The second secon	Section 1.	Spray Paint		transmission Fluid	30, 30		Bonds Wet Plaster	starting fluid	
Hoduct Name		Automatic Transmission	Rug and Upholstery	Cooling System Cleaner	AntiRust and Water Pump Lubricant	procell	Spray Enamel.	D:C:3 · : (1)	Greaso	Micro Lube Grease	Windshield Washer	Elite Clear	Cleansef w/chlorine	Original Kitchen Klenzer	Sodium Polyphosphates	Safety Sorb	Pemium Gloss	X-O Rust	White Traffic Paint	Windshield De-Icer	Gulf Spray	Degreeser's	Quick-Flusk Cleaner	Erigine Oil :	Acrylic Laquer	Super Rust Penetrant Spray	Type T Automatic	Non-Detergent Motor Oil SAE 30	Industrial Stripping Paint	Plaster Weld	Kwik start	
Manufacturer		Dry Den Chem Co.	Dupont	DuPont	DuPont	Duracell	Duron Paints	Dyna Tron Corp.	Bastern States Cooperative	Eastern States Cooperative	Elite	Elite Chemicals	Fitzpatrick Bros.	Fitzpatrick Bros.	FMC Corp.	G.M. Cannon Co. Inc	General Paint & Manuf. co.	General Paint Manuf. Co.	Gleem	Gold Eagle Co.	Gulf Oil Corp	Gunk Labs.	Havard Chemical Co.	Husqvarna Forest and Garden Co	Illinois Bronze	KAR Products	Kendal Refining Co.	Kendall	Krylon	Larsen	Lawson Products	4
Old Looking	E				>										>	\ \ \ \	y	>	^	>	>	>	>	, Σ								
MSDS# Already in Inventory I	FARM OFFICE										in attic	in attic	in attic	in attic																		
MSDS#	FARIN																															

## Ducharme and Wheeler, Inc.

## Westborough State Hospital

Circuised Inventory of Selected Departments	
of Selected	
Inventory	
Chaminal	

PIESE STATE	Amt Contained		2 15 3/4 ox can	8 15 oz can	5 12 ox cans	1 16 oz can	1 32 oz bots	15 I qt cans		7 I gal can	1 1 gal bot	4 12 oz cans	1	1 12 oz	3 18 oz cans	$\top$	20 13 02 cans	1 32.02.001	1 I qt bot	1 11 oz can	1 16 oz bot	2 32 oz bots	T		7	$\neg \vdash$	2 4.5 lb bot	1 8 oz can	1 32 oz can	1 12 oz bot	5 1 ot cans		1 16.07 can	+	2 11 02 cans		
1、1の日本に関することが、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1	Product Description			Street Carrow	Glass Cleaner Spiray	Spray	Disinfectant Decodorant april		Lubricant for Jet Engine	laquer thinner	Cylinder 100p Lubitcauch	antifreeze	Spray	Spray	antifreeze and fuel drier	Open Gear Lubricant	battery cleaner protector		A	Auto Italiani sant cora	cylinder lubi icain spira;	air tool lubricant	motor oil	spray	Break Fluid	oil absorbent	leaner	Richher Cement	The state of the s	Ilre Kepali	Stops Oil Leaks	anti gel and conditioner	car paint	Grease	Lubricant		
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Product Name	第一 計画場では、1000年の1000年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の		Carb, and Choke Cleaner Spray	G-Thru	Ignition Wire Dryer and Protector Spray	Stelcocide	nfectant Deodorant		inner		Antifreeze	ske Cleaner	ıt Spray				Abr 3.4	Hydraulic Fluid	Multipurpose.ATF	Premium Starting Fluid	Balkamp	5W-30	Premium Starting Fluid	Oor Heavy Diffy	Li	O puel asolate	Heavy Dury wateriess man	nent-	Liquid Buffer	Oil Seal	Diesel Fuel	Arrylic Enamel	Wheel Bearing & Chassis	Wileel Doubling Grease	W nite Litting Compa	
	Manufacturer			The death	Lawson Froducts	Lawson Froducts	Lawson Products Inc.	M. D. Stetson Co.	M.D. Stetson Co.	MacMillan Petroleum Culp.	Mar-Hyde	Maryel Uil Co.	Master Chem Corp.	Master Chem Corp.		Master Chem corp.	Metra Chem Corp	Metra Chem Corp.	Tricing Control of the Control of th	Meyer	Mobil	NAPA	NAPA	NAPA	NAPA	NAPA	NAPA	NADA	INALA Delleme Inc	NAFA Balkeliip, iiic	NAPA Baikemp, inc	NAPA Mac's	NAPA/ Mac's Oil & chem Corp.	NAPA/ Martin-Senour Co.	NAPA/ Ashland	NAPA/ Balkamp Inc.	
	PIO	MSDS# Inventory Looking	TOTOTO FREE TO	FARM OFFICE																Y	y	у															

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# Westborough State Hospital Chemical Inventory of Selected Departments

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Container		20 6	7.5 oz	12 oz can	4.75 oz can	l qt	0.01 oz tubes	5 oz can	4 oz tubes	12 lb can	1 qt can	19 oz can	l gal bot	1 qt can	1 qt can	1 qt bot	3 oz can	1.5 gal can	12.5 oz. Bot	5 gal can	1 qt bot	12 oz	12 oz bots	12 oz bot	15 oz cans	1 1/2 oz can	16 oz cans	5 lbs	12 02	12 oz bots	1 of hot	
Amt		9	10	-		-	∞	-	6	-	-	-	16	3	-	-	_	-	=	-	2	24	01	. 3	13	4	9		-	-	-   -	<u>.</u>
Product Description:		Penetrates and stops squeeks	Starting fluid lubricant	Spray	spray paint	car paint	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Crean Hardener	Body Filler	Surface Cleaner	Disinfectant Spray		Buffing Solution	Tire Seal	Clear Rubber Lubricant	Silicone Adhesive Sealant	hydraulic oil				isopropyl gasoline antifreeze	Gasoline additive	Automatic Transmission Sealer	Stons-Oil Buring	Solder Seal Radiator Repair	Huming degreeser		וווו וכפ ווופונפו	spray paint	Glass Cleaner	Tollet Cleaner
Product Name		Power Lube:	Premium	Engine Enamel	Car color	Autómotive Anishes	Rear View Mirror Adhesive	Weather Stripping Adhesive	CUZ	Fibre Sand Body Filler	6388 Kleanz-Easy	Lysol:	Windshield Washer Antifreeze	Ruh R Flux	Bead Sealer	۱	Oleath T. V. T. Clean	L. Amilio Sil	nydiaune our		A marking		Toda Substitute	Transeal	Motor Medic#1	Solvent 4	יייייייייייייייייייייייייייייייייייייי	Engine Prince	Kum ice Melter	Satin Protective Enamel	Glance RTU	CKEW
Manufacturer		NAPA/ CRC industries	NAPA/ Mac's Oil & Chem. Corp	NAPA/ Martin-Senour	NAPA/ Martin-Senour Co.	NAPA/Martin-Senour Co.	NAPA/Loctite	NAPA/Marin Senour Paints	NAPA/Martin Senour Paints	NAPA/Martin Senour Paints	MA DA Mortin Senour Paints	Mational Inhomitaries	Inationial iaboliatorics	renn-rriue	Perfect Equipment Colp	Perfect Equipment Colp.	Permarex	Permatex	Permatex Co. Inc.	Pledge/ S.C. Johnson Wax	Premier	R. H. Crown Co.		Radiator Specialty Co.	Kadiator Specialty Co.	Radiator Specialty Co.	Radiator Specialty Company	Radiator Specialty Corp	Revere	Rust-Oleum	S. C. Johnson	S. C. Johnson Wax
MSDS# Inventory Looking	FARM OFFICE															y	Y															
WSDS#	FAR																															

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## Westborough State Hospital Chemical Inventory of Selected Departments

MSDS# Inventory Looking	Manual Curers and Cure	Freduct Name	Product Description	Amt	Container
FARM OFFICE					
	S.A.M.	Blue Brake Fluid		-	32 oz bot
	ı Wax	Raid	roach and ant killer liq.		16 oz bot
	Safety Kleen	Mineral Spirit	Mineral Spirit	_	10 gals bot
		Aqueous Cleaner	Aqueous Cleaner	ī	5 gal bot
	Sanitary Products Corp	Lav-Glo	Bathroom Cleaner	-	I gal bot
		Enginsealer		1	16 oz can
	Spectrum	Spectracide	wasp and homet killer	16	1 lb cans
	Jnited Industries	Cutter	Insect repellent	7	6 oz can
		glass cleaner	glass cleaner	-	19 oz. Can
		Engine Wire Dryer	spray	-	19 oz can
		CD-2	Oil Detergent	4	14 oz can
	lard Coating Corp	Nitro-Stan Putty	Laquer Putty	-	3 ib can
		Glass Bright	Glass Cleaner	3	I gal bot
	State	Formula 173 SPW	Special Protective Wax	5	1 gal Bottles
	STP Corp	Oil Treatment		3	15 oz cans
	Sunshine Chemical	Rusty	Moisture shield	3	20 oz cans
	Sunshine Chemical Specialties	Rust-Solv	Penetrating Lubricant Spray	3	16 oz can
	Sunshine Chemical Specialties	Kleen -Out Plus	Carburetor and Choke Cleaner	6	16 oz can
		SAE 10 W 40	detergent oil	-	55 gal drum
		Dextron Mercon	Transmission fluid	2	55 gal drums
		HY Tran Hydraulic Oil	Hydraulic Oil	-	55 gal drum
		Oil SAE 5 W 30	Motor oil	7	55 gal drums
	Tender Corp.	Ben's backyard formula	tick and insect repellent	2	6 oz cans
		Sultex 340	Oil	_	5 gal can
	Texaco	Outboard and 2 cycle	engine oil	9	1 qt bots
		Marfak Multipurpose 2	grease (leaking tubes)	2	14 oz tubes
	The Solaris Group	Round Up	Weed and Grass Killer	4	16 oz bot
		Zip Wax	car wash	-	64 oz.
		Lemon Cleaner	Disinfectant	-	1 Gal Bot
	U. S. Chemical Co.	Brite'n	Bowl Cleaner	i	1 Qt bot

## Ducharme and Wheeler, Inc.

## Westborough State Hospital Chemical Inventory of Selected Departments

	Amt	1000 1000 1000 1000 1000 1000 1000 100		2   15 1/2 oz can	100	1 Igal call	1 4 02 can	14 mil		14 oz can	18 9 oz cans	ı	) gal	1 gal	00	90 oz bot	2 1 qt bot	1 lb4 oz can	
	<b>∀</b>							-											
1000年度至年1000年度	Product Description			Disinfectant Deoderizer	antifreeze	Vinyl Adhading	Virgi Aulicalve		inceptionde	ווואסכווכותפ	Lubricant	roof coating	icor coming	bleach	White wall cleaner		Chemical Detergent Solution	Antistatic Aerosol	
	Product Name		271 1	Ind/Com	Antifreeze	Boxer 100	Died. 631:	Diack Milcone Casketing	Pro-cide	um 40	W D-40	Fibred Roof Coating	Chin Bine Diesel, D	Dital Lille Dicacii Fower	Bleche-Wite	Wey Cide	W cA-Clue	Zep-Ex-Stat	
是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人	Wantacher		U.S. Chemical		Uni-gard Corp	Union Laboratories	Victor	17:	Virginia Chem co.	WD-40	117 .1 0 .	Weather Seal	Western Family Foods	XX act lox	Westery	Wexford Labs		LOP INTAILUIACIUI IIIB CO.	
THE PLANT OF THE PROPERTY OF	VSDS# Already in Old	FARM OFFICE																	

Amt		13   12 lb. spools	6 4 oz. bot.	8 4 oz. bot.	6 4 oz. bot.	7 4 oz. bot.	13 4 oz. bot.	5 4 oz. bot.	1 35 gal drum	1 50 gal drum	1 32 oz	1 1 gal bot	l l gal	1 5 gal	1 6 oz bot	1 6 oz bot.	1 3 oz bot	l 4 oz bot	2 30 lb	2 500 lb drum	1 12 oz can	1 5 gal	4 I gal can	l lgal	l l gal can	1 70 oz can	12 50 lb bag	5 50 lb can		1   1 gal can	l l gal can
Product Description		Carbon Yam	Water tester	Water tester	Water tester	Water tester	Water tester	Water tester	water treatment	water treatment	acid water tester	Sulfuric acid	8.2% Sulfuric Acid			indicator			freon	sodium hydroxide solid	solvent	weather proofing sol'n.	cutting oil	Floor wax					Charcoal Starter		Vacuum pump oil
Product Name		Superheat Braid	Neutralizer A	Hardness no. 2	Liquid Hardness indicator		Ammonium Buffer	pH Reagent	Dispersall FE-300	RT-360 v	PP indicator	Sulfuric Acid N/50	Molybdate Reagent 8	Iodide Solution	Silver Nitrate	tor 250-S	Chloride-A	Perm- Starch	Refrigerant 22		0	CP-11 VICRYI	Colco	Hi Gloss	Graphite #2	Eye Saline Concentrate	Sodium Polyphosphates	Mortar		Gas Leak Detector Bubble Type	Fast Vac
in Old Manufacturen y Looking		A.W. Chesterton	Barclay Management Inc.	Barclay Management Inc.	Barclay Management Inc.	Barclay Management Inc.	Barclay Management Inc.	Barclay Management Inc.	Barclay Management Inc.	Barclay Management Inc.	Barclay Management Inc.	Barclay Water Management	Barclay Water Management		* Barclay Water Management	Barclay Water Management	Barclay Water Management	Barclay Water Management	Chargette	Chemtech	Chesterton	Childers Producets	Colman Company	Custom Chemical	Dixon	Fendall Co.	FMC Corp.	Franset	Gulf		* J/B Industries
MSDS# Already in Old	POWERHOUSE								y	λ											<b>x</b>		À								Х

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## Westborough State Hospital

Lamical Inventory of Selected Departments

MSDS# Mready in Old Figure 1 Manufacture 2 M	Producti Name, Printer States	Product Description	Amt	Container
Med tech	Oxygen		2	100 lb cannister
NAPA	Oil Absorbent		9	25 lb bag
New England Oil	REO 32	lubricating oil	-	55 gal drum
PCI Industries	Master Plumber	pipe cleaner		16 oz
Реттатех	Fast Orange	hand cleaner	_	128 oz can
Permatex Industries	Anti-Seize Iubricant	lubricant	2	11b cans
Power Up Manufacture	Thi xo Grease	lubricant		37.4 lb can
Praxair	Acetylene dissolved		-	136 cubic ft cylinder
Quimico Ind.	Sodium polyphosphate		3	50 lb bag
SealPro Inc.	Sealpro	teflon paste	-	16 oz
Security	Permanent antifreeze	antifreeze	-	l gal
Shell	Shellzone	antifreeze	-	1 gal
State	Formula 584	Coil cleaner	-	1 gal
State	ACC	Aerosol coil cleaner	_	18 oz can
State	Formula 388 NO Issue	nonbutyl cleaner	-	1 gal can
Taurus Lubricants	SAE 10W-40	Motor Oil	-	1 quart
Taylor	R-0602P	Stannous Chloride	_	11b
Taylor	R-0725	starch indicator	_	11b
Texaco	Vanguard 1000	oil	2	55 gal drum
Техасо	Regal REO 32	Iubrication oil	-	55 gal drum
Thai Sulfites	Sodium Sulfite		10	50 lb bag
True Value	Regular Clear	PVC cement	_	16 oz
US Salt Corp.	Resingard	water softner salt pellets	9	80 lb bag
Walmart	Tech 2000	Windshield washer fluid	_	l gal
	Kerosene	kerosene	-	250 gal tank
	Grease for bearings on pumps	Iubricant	2	5 gal cans
	Sulfuric Acid			l gal
	Potassium Sodium Iodine			20 oz
	Refrigerant Cleaner		_	32oz

MSDS# Already in Old MSDS# Inventory Looking	Old	Manufacture Manufacture Commence Commen	Product. Varie	Broduce Description	Amt	Contamer
Maintenance:	ce:			14		The state of the s
Electricians Shop	Shop					
			Super 77 Spray Adhesive	adhesive spray	-	17 oz can
	7	American Polywater Corp.	Dyna-Blue	Cable lubricant	-	1 at bot.
		Sorp	Penetrox A	electrical joint compound	<u> </u>	8 oz bot.
			Premalube Red	lubricant		14 oz tube
			Premalube Red	lubricant spray	-	11 oz can
		ne	Clear Vue glass cleaner	glass cleaner	-	20 oz bot
y			Pro-Cide	insecticide	-	2.5 lb can
		Industries	Aqua-Gel 2	utility cable pulling lubricant	2	l gal
	*		DE-ox	oxide inhibitor	-	5 oz bot
			Lectra Clean PS	cleaner& degreaser	3	11 oz can
À			Coilex	Aerosol Coil Cleaner	=	14.5 oz can
			Lectrasol	solvent degreaser	-	16 oz can
y			x-Seize 2000	antiseize lubricating compound	-	15 oz can
			Screw Strength Thread Locker	locks and seals screws	-	1.09 oz bot
		ource	Bleach	bleach	-	1 gal bot
			9.5% Clinging Bowl Cleaner	Bowl cleaner	-	32 0z bot
		s Inc.	PVC Cement	PVC solvent cement	-	1 qt. can
		win Williams	Sprayon	Electric motor degreaser and safety solv	-	19.5 oz can
	7		White distilled Vinegar	vinegar	-	I gal bot
	- 1		SSD	aerosol solvent degreaser	_	20 oz can
	-		Easy Color	spray paint	-	12 oz can
ý			electronic cell cleaner	cleaner	1	32 oz can
		William H. Harvey Co.	A-6 ABS Cement	solvent cement	-	16 oz can
	*			3 unknown substances- under work ben	3	1 gal bottles
			Gasoline	gasoline	-	2 gal can

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## Westborough State Hospital Chemical Inventory of Selected Departments

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Productipes in the Production				Green contact adhesive	resilient tile adhesive	carpenters wood glue	plexiglass adhesive	self leveling underlayment	Adheres FRP panels to concrete	contact cement gel	glass cleaner	food grade grease	paint thinner	lacquer thinner	cement	roof coating	mastic		Spray paint	Grease	<u> </u>	Latex floor adhesive	stains and seals		heavy duty cleaner	Floor leveler	primer tust treater	multipurpose construction Mastic	spar urethane	plastic autobody filler	acrylic latex siliconized caulk	
The state of the s				Fastbond 30-NF	S-750	Elmer's	Plexite Cement 1	Level Quik	FRP Durabond Adhesive	Weldwood	Glass Plus	MolyKote	E-Z Paint Thinner	B-Z Lacquer Thinner	#122 Flashing Cement	Fibered Roof Coating	Construction Mastic 421	Ammonium Hydroxide	Spray Touchup	Heavy duty Multi Purpose Lubri Grease	Liquid Nails	Lock Bond	Wood finish	Window, Door & Siding Siliconi Caulk	TSP/90	Level-BBest	Defender2	Grip Rite	Helmsman	T-XI	Weather All	Sheet Rock All Purpose Joint C joint compound
Manufacturer Manufacturer and Manufactur				3M	Armstrong	Borden	Comstik Adhesives	Custom	DAP	DAP	Dow	Dow Corning	E.E. Zimmerman Co.	E.E. Zimmerman Co.	Gardener	Gardener	Henry	James Austin Co.	Kane Manufact. Corp	LubriMatic	Macco Adhesives	Macklanburg-Duncan	Minwax	Red Devil	Red Devil	Savogran	State	The W.W. Henry Co.	Thompson Minwax	Townsend	Tru-test	U.S. Gypsum Co
in Old ry Looking		S. Shon	Jowa									+								*												
MSDS# Already in Inventory II	Waste de la constantant de la constantant de la constantant de la constantant de la constant de	Carnenters Shon	Torrio d' Taro		y	y				Y				>							λ					λ						

## Ducharme and Wheeler, Inc.

Amt Gordainer  Looking The Francisco								1	
White Diamond White Products Co.    American Structure   Control of the Product   Control of the		t Container	(1) 11 (1) (1) (1) (1) (1) (1) (1) (1) (		16 oz can	12 oz can	2.5 gal jug	0-5-0	
White Diamond  White Products Co.  Glass Frosting  Glass Frost		Am			-	-	-		
White Diamond  Zynolyte Products Co.		Product Description			Bowling Alley Paste	glass frosting spray	gasoline		
White Diamond  Zynolyte Products Co.	mdo a manara a car	Product Name in the state of th			Butcher's Wax	Glass Frosting	gasoline		
MSDS# MSDS# Ma Cary		S# Inventory Looking	Maintenance:	Carpenters Shop					

## Westhorough State Hospital

# Chemical inventory of Selected Departments

MSDS# Already:m Old- Inventory Looking	yan Old- ory Dooking	With the state of	Explored Name	Product Description	Amt	Container
Maintenance:	lance:					The second secon
Building	ing					
	7	Aramsco	Ram Tack	High Tack Spray Adhesive	12	12oz can
		Castrol Industries	Moly-Dee		7	16 oz bot
		Certified Laboratories	Day Break	Mildew Stain and Odor Remover	22	32 oz bot
		Certified Laboratories	Lube Master Permalube Red	Aerosol Lubricant	52	11 oz cans
		Certified Laboratories	De-Mark	Vandalism Cleaner	24	13 ox cans
y		Check-Mark	Wasp Away	Wasp and Horney Killer	16	14 oz cans
		Chromate Industrial Corp	Pro-Coat	Epoxy Paint	5	12 oz cans
		Clover Manufacturing Co.	Clover Compound	Grease	4	8 oz cans
		CRC Industries	Cutting Oil	Tread Cutting Spray	7	12 oz cans
У		Custom Chemical Corp	Wearever	Floor Finish	1	5 gal bucket
Y	<u> </u>	Enviro-zyme	EZ	Bacterial Enzyme	1	50 lb cylinder
		Fibrelock Technologies	Lag-Kote	Bridgeing Encapsulant	-	5 gal bucket
	- 7	Fibrelock Technologies	Lag Kwik	Water Activited Repair Cloth	-	5 gal bucket
	-	Gardner Asphalt Corp	Wet/Dry	Roof Cement	2	5 gal buckets
	, 1	Hilti Construction Chemicals	FS-One	Fire Proof Sealant	11	10oz cans
		Ideal Industries	Aqua-Gel II	cable Pulling Lubricant	3	I qt bot
		Ideal Industries	Noalox	Anti-Oxidant Joint Compound	2	8 oz bot
		Кет	Lectrasol	Spray Solvent Degreaser	2	16 oz cans
	- 7	Kem Manufacturing	Scalzoff	Scale and Rust Remover	-	2 gal Bot
λ		Kem Manufacturing	HR 230 Sewer Solvent	Sodium Hydroxide Mixture	-	5 gal bucket
		Northeast Air Gas	Propane	Propane Gas	3	12 lb cannisters
		Red Devil	Simonized Acrylic Caulk		1	10 oz tube
y		Rigid Tool Co.	Ridgid	Cutting Oil	2	10gal can
		Rust-Oleum	Rust Remover	Rust Remover	-	l gal can
У	- 1	S.C. Johnson Wax	CREW	Toilet Cleaner	2	1 qt bot
		Sherwin-Williams	Sprayon	Electric Motor Degreaser	8	19 1/2 oz cans
		Sherwin-Williams	Sprayon ·	Silicone Mold Release Spray	2	12 oz can
		Sherwin-Williams	Pro's Select	Acrylic Latex Caulk	-	10 oz tube
У	-1	State Chemical Manufacturing	Grease-B-Gone	Grease Cutter	36	16 oz cans

# Chemical Inventory of Selected Departments

	Amt			1 73 55 555	1 23 02 0411	l gal can	6 32 oz bot	
CITICITICS	Library Landuct Description			Baseboard and Buildin Stringer	odding drawn		Cleaner for electronic air cleaners	
CHICKLE TO COLOR DOPAL HILLING	Product Name			Jack Hammer	Floor Sealer		Electronic Cell Cleaner	
	Manual Ma			The Butcher Company	Sani Mate	Winning VDM Co	Vilgilia na ivi corp	
	MSDS# Inventory Dooking	Maintenance:	Building				λ.	

## Westborough State Hospital

		Chemicai inven	Chemicai invenus vi beleden stenartments	rtmonts			
MSDS# Allready in Old	in Old	Manuach Manuach Manuach Manuach	Product Name	Product Description	Amt	TConfirmer	
Maintenance:	ınce:		A William Committee of the committee of		12		مرست
Paint Room	00m						יוווווווווווווווווווווווווווווווווווווו
	·	Behr	Primer Sealer	Latex Paint	- -	, ,, ,	מונונו
		Behr Process Corp	PIsu ID	Solid Color Stain	 	o gal bucket	
		Benjamin Moore & Co.	MoorGlo	Latex Paint		l gal can	
		California	Turf Quik	Enamel Paint	- -	20 02 can	
		California 	Premium	Enamel Paint	-   "	176 oz cans	_,_
		California	Premium	Enamel Paint	82	1 gal cans	_
		California	Premium	Latex Paint	35	l gal cans	
	*	California	Ceiling White	Latex Paint	2 2	1 gal cans	
		California	Premium	Linseed oil enamel	-	l gal can	
		California	OX-O-Flow	latex Paint	. -	1 gal can	
		California	Wilbur & Williams	Chlorinated Rubbercoat	-	I gal call	
		Campbell Hausfield	Pump Protector	Blue Fluid	<u> </u>	1 gal call	
		Colorplate	bfpl Paint	Latex Paint	,   5	32 02 00L	
		Colorplate	bfpl Crystolux	Fnamel Daint	s c	I gal cans	
		Colorplate	bfpl Wood Vamish	Limited 1 dille	7	I gal cans	
		Colorplate	hfhl	e	m	l gal cans	
		DAP	Toucht Tour	Enamel Paint	53	1 gal cans	
		DAP	Surav'n Go	Spray Paint	3	10oz cans	
y		DAP	Spirit II CO	Spray Paint	7	12 oz cans	_
		DAP	Alex Diss.	Glazing Compound	5	I gal can	
		DAP	Interior Snachling	Latex and Silicone Caulk	9	10oz tubes	
		Devoe Paint	Mirroles	vinyi Spackling	-	l gal bucket	
			Print Olac	Enamel Paint	1	30 oz can	
	*	ov	Dur-A	Floor Paint	1	1 gal cans	
	*	filford Paint Works	Floor Enamel	Latex Paint	1	l gal can	
	*		Industrial Finishes		1	1 gal Gan	
			Accent Color	Latex Paint	1	120 oz can	
			Glid-Guard	Alkyd Enamel	2	l gal cans	
			Evermore Primer	Latex Primer	10	1 gal cans	
			Evermore Super	Latex Paint	2	I gal cans	

Container			10 oz tubes	126 oz cans	1 gal cans	1 gal bot	11 oz can	1 gal can	l gal cans	I gal can	I gal cans	l gal cans	l gal cans	1 gal cans	l gal cans	5 lb boxes	l gal can	I gal cans	I gal cans	1 gal cans	201b bag	11 oz cans	15 oz cans	12 oz cans	18 oz cans	l gal cans	I gal bot	1 qt can	l gal can	12 oz cans	12 oz cans
Amt			196	3	1	2	1	1	120	1	18	2	5	2	8	5	1	27	2	2	-	7	24	24	3	2	9	1	1	74	26
Product-Description:			Vinyl Adhesive Caulk	Latex Paint		Paint Thinner	Fluorscent Spray Paint	Latex Paint	Latex Paint	Enamel Paint	Spar Varnish		Enamel Paint	Primer	Latex Paint		Exterior Paint	Acrylic Paint	Sealer/Primer	Acrylic Paint	Veneer Plaster	Spray Enamel	Spray Paint	Spray Paint	Striping Paint	Traffic Marking Paint	Paint Thinner	Epoxy Enamel Paint	Latex paint	Spray Paint	Spray Paint
Product Name			Phenoseal	America's Finest		Mineral Spirits	Color Works	Nu Brite	Nu Brite	Celoid	Nu Brite	Wood Stain	Lustaquik	Nu Brite	Nu Brite	Lansco Dry Colors	Maineline	Maineline	Kilz	Wandex	Gold Bond Uni-Kal	Five Star	Painter Touch	America's First	Professional	Professional	Thin-X-Blue	Sears Epoxy Enamel	Exterior Traffic marking	Super Acrylic paint	Krylon
Manufacturen			Gloucester Co. Inc	Home Depot	Inidentifiable Can	Klean Strip	Krylon	Kyanize Paints	Lenders-Segal Color Co.	M&M Paint Manufacturing Co.	M&M Paint Manufacturing Co.	Master Chem Industries	Masury	National Gypsum	Paint & Sundries Co.	Rust Oleum	Rust Oleum	Rust Oleum	Rust Oleum	SCL	Sears Roebuck	Servi Star	Sherwin-Williams	Sherwin-Williams							
Old	ce:	m			*		*	*		*						*	*												*		
MSDS# Already in Old Inventory Looking	Maintenance:	Paint Room															У	у	y		λ						y				

	Container			1 gal cans	I gal can	1 gal cans	1 gal cans	I gal can	1 gal cans	9 oz can
	Amt			9	-	7	2	_	2	-
	Product Description			Paint Stripper	Latex Paint					
T .	Product Name:			Scat-400	Master Painter	Handwritten Sunbeam Yellow				DIF Wallpaper Stripper
	Manufacturer Control of the Control			State	Town Paint & Supply Co	Unidentifiable	Unidentifiable Can appears to be Kyanize Wood Stain	Unidentifiable Paint appears yellow	Unidentifiable Paint Handwritten Royal Cream	William Zinsser & Co.
	Old Looking	ce:	m		*	*		*	*	
	Already in Old Inventory Looking	Maintenance:	Paint Room	у						
	MSDS#	M.	P.							

	Amt. Container	Local Company of the		7 1 1k 7 cz soz		1 1 vint con	1 1 for so	1 10 02 can	l 15 oz can	7 70 lb bags	1 1002 can	1 14 oz cont	1 1+02 container	1 11.02 can	l l ga bot	1 16 oz can	1 12 67 527	1 0 000	o oz can	l lo oz can	1 13 lb cyl
ırıments	Product Description			Disinfectant Wine	Pipe Coating	Penetrating Oil	Thread Sealing Compound	numoduros Summe		Masonry Cement	Silicone Spray Lubricant	Scouring Powder	Denetrating oil course	1 circuating on spiay		Grease Cutter	Marking Chalk		Flux Pacte		
an venion y or Selected Departments	A STATE OF THE STA			Killer Wipes	Cond-X	Free All	Select Unyte	Household Leak Sealer	Troubour Loan Douloi	Northeast Cement	Ретпатех	Massco	Liquid Wrench	Daint Thinner	lamin min r	Grease-B-Gone	Strait Line	Pipe Cleaner	Utility Flux	Dronge	riopane
	Manufactures (1997)			Allegro Industries	Certified	Crane Packing Co	J. C. Whitlam Manufacturing Co.	L.S. Products	I afarra Com	Lata Bo Colp	Loctite	Mass Sanitary Supply Co.	Radiator Specialty Co.	Recochem	State	orato	The Irwin Co	True Value	Utility Manufacturing		
	MSDS# Already-in Old	Maintenance:	Plumbing Office		у										^		y				

Westborough State Hospital

# Chemical Inventory of Selected Departments

1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Amt			1 10 lb bag	1 2 gal bircket	1 1 gal binchet	1 4 1h hox	1 1 2 to Oag	1 L gal can	l 5 lb bag	l l gal can	1 1 gal bot	5 50 lh ham		20   94 lb bags	16 70 lb bags	1 12 lh can	יייייייייייייייייייייייייייייייייייייי	l l gal can	1 6 lb bag	l l qt can
	Product Description				Latex Paint	Tile adhesive	Plaster of Paris	Paint Thinner			Floor Finish	Wax Stripper	Plaster				Autobody Filler			Retarder	Reinforcing Compound
	A State of Product Name			Tile Grout	Wall Paint	DS 50	Durabond	E-Z	Colored Grout	Coloica Glodi	Platinum Plus	Liquid Lightening	Uni-Cal	Dortland Comont	I OF LIAITU COLLICIIL	Masonry Cement	T-XI	Mulcomactic Drimer	Transomastic I mile	Red Top	Tiger Hair
H.		A CALL TO THE PARTY OF THE PART		Albert F. Fitzgerald	Behr	Daltile Corp	DAP	E.E. Zimmerman Co.	H.B.Fuller		IVIASSCO	Massco	National Gypsum	Onickrete		Quickrete	Townsend	Tremco	7.0	O.S. Gypsum	Unknown
	ady.m - Old ntory Tooking		age					*	*	*							*	*			*
	MSDS# Already in Old		Masons Cage					λ	>			λ									

## Westhorough State Hosnital

# Chemical Inventory of Selected Departments

מדור בענור ביו	Producting Amt Containen		wood finish	1 1 gal can	Household Oil	1	Personnel Handwask 1 5 oz can	Thread Cutting oil spray	, ,		minoriza Compound	Lubricant Spray 1 10oz can	Spackling Compound	¥ F	1 i pint busket	
gramma and a manage of the comment	Product Name		Ultra Clear	wood & Swell Lock	3 in One	V	v estat Alcare	Cutting Oil	Laquer Thinner	X-Seize 2000	Danatan 0:11: 0	rennatex Milcon Spray	One Time	ZAR Wood Patch	117 70 40	
の出ている。 ではいっている 100 日本のの語の主で、 100 日本ので、 100 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	Manufacture in Manufa		Absolute Coatings	Bordex International	Boyle Midway	Convated		CRC Industries	E.E. Zimmerman	KeN	Loctite Com	dio care	Ked Devil	United Grilsomite Laboratories	W-D 40 Company	
The second of th	MSDS# Arready m Old MSDS# Inventory Looking	Carpenter Shop							У	χ			ý		>	_

Make application to local Fire Department.

Fire Department retains original application and issues duplicate as Permit.



Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

### **APPLICATION and PERMIT**

Fee: \$20, ≈

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

to Construct the Construction of the Construct	Prication is fiereby made by:
Tank Owner  Tank Owner Name (please print) Dept. of Monto	1 How H
Address 25 Staritord Stroot	
J. J	Cay State ZW
Removal Contractor	Contamination Assessment
Company Name Green Environmental Inc	Co. or individual
Address 216 Riccin Trive, Quina,	Address
Signature (# applying for permit)	Signature (if applying for permit)
O.iFCI Certified Other	☐ IFCI Certified ☐ LSP # Other
Tank Location	L Piggory - Wastburgh Substance Last Stored Oil
Tank Dimensions (dlameter x length)	
Remarks:	
Disposal Information	
Firm transporting waste Wastern O.J.	State Lic. # HA52
	E.P.A. # PT50009118
Approved lank disposal yard James G. Grant Co.	į,
•	1e) bbott Street, Bendville, Ma 02137
Approvals	
City or Town WESTRORD	FDID# 27328 Permit# 00-06
Date of issue	Date of expiration 6-30-00
Dig safe approval number: 2000 110743	Dig Safe Toll Free Tel, Number - 800-322-4844
Signature / Title of Officer granting permit _Capt Carlls	alla

After removal(s) send Form FP-290R signed by Local Fire Dept. to UST Regulatory Compliance Unit. One Ashburton Place, Room 1310, Boston, MA 02108-1618.

Myself, FF F. Pulsifer and FF Rob Tieve witnessed the (NFD)

Removal of a 5000 #2012 tank FRom the Piggery Cocated at the westborough state Hospital Grounds. Removal was actually in Northboro. There did Not appear to be any Contamination. The tank appeared to be intact from Removal GNEN Environmental From Quincy, MA. 617 479 0550 Removed the tank. They stated that about 1" of liquid was fumped out of the tank and there was some 51 udge in the bottom.

Finefighter westsorough.

RECEIVED

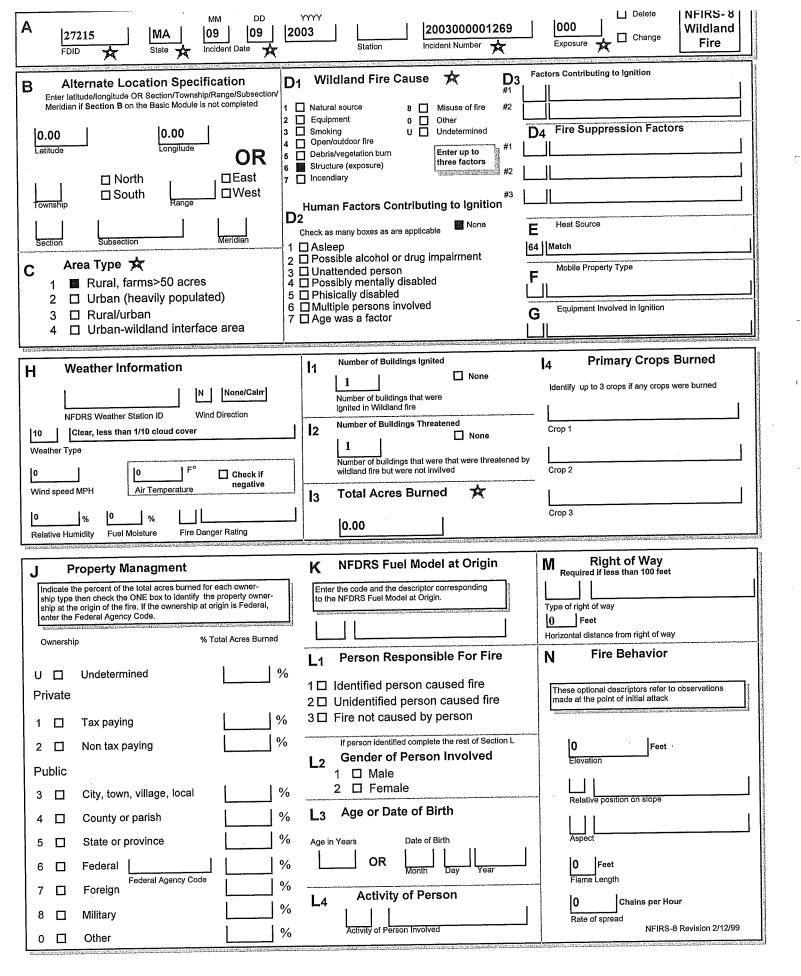
MAR 22 2000

A 27215   MA 09 09 09 FDID State Incident Date	2003   2003000001269   000   Delete   NFIRS - 1   Basic   Basic
Street address Intersection In front of    Module in Section B "Altern Prefix   100	thborough   MA   01532   State Zip Code
C Incident Type  [142] Brush, or brush and grass mixture fire Incident Type  D Aid Given or Received 1 Mutual aid received 2 Automatic aid recv. 3 Mutual aid given 4 Automatic aid given 5 Other aid given N None  Their Incident Numbe	E1 Date & Times    Midnight is 0000   E2 Shifts & Alarms
Fire-2 Structure-3 Civillian Fire Cas4 Fire Serv. Casualty-5 EMS-6 HazMat-7 Wildland Fire-8 Fire Service O Civillian 0 Civillian Detect	N None Not mixed Natural gas: slow leak, no evacuation of HazMat actions Propane gas: <21 lb. tenk (as in home BBQ grill) Gasoline: vehicle fuel tank or portable container Correction NN Not mixed NN Assembly use 20 Education use 33 Medical use 40 Residential use 51 Diesel fuel/fuel oil: vehicle fuel tank or portable storage 52 Diesel fuel/fuel oil: vehicle fuel tank or portable storage 53 Enclosed mall To Motor oil: from engine or portable container
131 ☐ Church, place of worship 161 ☐ Restaurant or cafeteria 162 ☐ Bar/tavern or nightclub 213 ☐ Elementary school or kindergart. 42	Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Other: Special HazMat actions required or spill >55 gal., at alert them  Ot
241  ☐ College, adult ed.	Rooming/boarding house   G29

<b>K</b> 1	Pers	son/En	itity Involv	ed	
rx1	Local	option		Business name (if applicable)	Area Code Phone Number
□ Cf	neck this i	box if			
ine	me addre cident loc nen skip tl	ation.	Mr. Ms. Mrs.	First Name MI Last Name	Suffix
du	iplicate a	ddress			Street Type Suffix
••••	,00		Number	Prefix Street or Highway	I I
		L	Post Office Box	Apt/Suite/Room City	
		1	Post Office Box		
	8.6		State	Type red? Check this box and attach Supplemental Forms (NFIRS-1S) as	necessary.
		ore pe	opie ilivoi	ed? Check this box and attach supplemental Forms (W. M.C. 19) as	,
	eastainean	Spill Service Contract of	and properties and section of section		
K <sub>2</sub>	Owr	ner _	Same as pers	on involved? is box and skip	-
	Local		the rest of this		Assa Code Phone Number
	Check thi		1	Business name (if applicable)	Area Code Phone Number
	same add incident i	ocation.	Mr. Ms. Mrs.	First Name MI Last Name	Suffix
	duplicate	the three address	1		Tables and the same and the sam
	lines		Number	Prefix Street or Highway	Street Type Suffix
			Post Office B	x Apt/Suite/Room City	1
			01-1-	Zip Code Type	
			State	Zip Code Type	
	<u>.</u>	Remai local o	ption	in the state of th	
	Date	/Time	NFI	RS Notes by:	
				Fire Module Required? shade the box that applies and mod. based on Incident Type a	d then complete the additional Fire as follows
				🔲 Buildings 111	Complete Fire & Structure
				Special structure 112	Complete Fire Mod. & the 1 block on Structure Module
				Confined 113 - 118	Complete Basic Module
				Mobile Property 120 - 123	Complete Fire Module
					Complete Fire Module
				Vegetation 140-143	Complete Fire or Wildland Complete Basic Module
				Outside rubbish fire 150-155 Special outside fire 160	Complete Fire or Wildland
-350		Total Addition		Special outside fire 161-164	Complete Fire Module
		ITEARS	: \A/ITLI A ~	MUST ALWAYS BE COMPLETED!	Complete Fire or Wildland
1		II EIVIO	· vviii i /*\	WIOO! ALIANIO DE COMI LETED.	
	□ Мо	re rema	arks? shade	this box and attach Supplemental Forms (NFIRS-1S) as necessary.	
L.	A	<b>.</b>	tion		
M	AUI	horizai I г	tion DMD	Chief     epartment Administ	04/12/2004
Check	k box		charge ID	Signature David M Durgin Position or rank Assignment	Month Day Year
if same			/ITG	FF/EMT   Career FireFighter	04/12/2004
Office	,	L	naking report	Signature Wichael T Gaudette Position or rank Assignment	Month Day Year

	L1 Supple	per	NFIRS - 1S Supplemental					
1	Special Study ID#	Special Study Value	Special Study ID#	Special Study Value	Special Study I		4 Speci Study	
5	Special Study ID#	Special Study Value	Special Study ID#	Special Study Value	Special Study I	Special Study Value	Special Study	
	L2 Remai							

^	27215 MA 09 09	2003		2003000001 Incident Number	269	Exposu	re Change	Fire
	FDID 🖈 State 🛧 Incident Date	<b>(</b>			<u>M</u>	grant and constitute of		
B B1	Property Details  O Not Residential  Estimated number of residential living units in building of origin whether or not all units became involved  Buildings not involved	entere	On-Site Mate or Products up to three codes. Check di. On-site material (1)		None		Complete if there were any signfi amounts of commercial, industrial agricultural products of materials property, whether or not they because of the Bulk storage or ware Processing or manual Packaged goods for Repair or service	, energy or on the ame involved ehousing ufacturing
B <sub>2</sub>	Number of buildings involved  None Less than one act		On-site material (2) On-site material (3)			_	Bulk storage or war Department of the control of th	ufacturing or sale rehousing ufacturing
D	Ignition	4	se of Ignition				E <sub>3</sub> Human Factors Contributing To I	gnition
D1	71   Substructure area or space, crawl space   Substructure area or space   Substructure area or space, crawl space   Substructure area or space   Substructure area or space, crawl space   Substructure area or space   Substructure area or space, crawl space   Substructure area or space   Su	1 Inten 2 Unin 3 Failu 4 Act o	Check box if this is an ational tentional tree of equipment of nature se under investigate undetermined as an ational tree of undetermined as an ational tree of the tree of t	r heat source			1 ☐ Asleep 2 ☐ Possibly impaired lachol or drugs 3 ☐ Unattended persor	1
D3	Heat source	one	4  Possibly mentally of Department of Physically disabled Mulitple persons in Physical Physica	Į				
D4	Type of material first ignited	,   [][	ntributing to ignition (1)		# (2012 - 1 COS		person involved	Female
Equ Inv Bra Mo	del lal#	Equipment Power Source  Equ F3 Portable equipment one person, is d	ipment Power  lipment Portabiortable tationary ment normally can be melesigned to be used in requires no tools to insta	ility F	Enter u	up to thre	(1)	None
2 3 	Mobile Property Involved  None  Not involved in ignition, but burned Involved in ignition, but did not burn Involved in ignition, and burned  bile property model  State  VIN Numb	Mobil	Mobile Prope	erty Type &		ı Soi	Cal Use  Pre-Fire Plan Ame of the information presented in lead upon reports from other agence.  Arson report att Police report att Coroner report Other reports att	this report may be les:  ached tached attached attached



Α	27215     MA   09   09	2003	2003000001269   000   Delete   NFIRS-11   Arson
В	Agency Referred To None  Agency Name  Agency Phone Number	Street Address  City  State  Zip Code	Their Case Number  Their ORI  Their Federal Identifier (FID)  Their FDID
С		Closed with arrest Closed with exceptional clearance	D Availability of Material First Ignited  1 □ Transported to scene  2 ■ Available at scene 3 □ Unknown
E	12 ☐ Labor unrest 23 ☐ 13 ☐ Insurance fraud 24 ☐ 14 ☐ Intimidation 31 ☐ 15 ☐ Void contract/lease 32 ☐	Check up to three factors  Hate crime Institutional Societal Protest Civil unrest Fireplay/curiosity	42
F	Apparent Group Involvment  Check up to three factor  Terrorist group  Gang  Anti-government group  Check up to three factor  Anti-government group  Check up to three factor  Anti-government group  Gang  Check up to three factor  Racial  Anti-government group  Racial/ethnic hate group  Religious hate group  Religious hate group  Check up to three factor  Three factor  Organized  Organized crime  Check up to three factor  Check up to three factor  Organized  Organized crime  Organized cri		14  Pressurized Container 17  Box 15  Can 00  Other Container 16  Gasoline or fuel can UU  Unknown  IGNITION/DELAY DEVICE NN None 17  Road flare/fuse 18  Chemical Component 19  Trailer/Streamer 19  Open flame source
G:	Entry Method	11 Ordinary Combustii 12 Flammable gas 14 Ignitable liquid 15 Ignitable solid	FUEL NN None  16 Pyrotechnic material 17 Explosive material 00 Other material UU Unknown
	3 Structure vacant 4 Other crimes involved 5 Illicit drug activity 6 Change in insurance 7 Financial problem 8 Criminal/Civil actions pending 7	Property Ownership  Private City, town, village, local County or parish State or province Federal Foreign Military Other	Initial Observations   Check all that apply

A 27215 MA 09 09 2003 Station	2003000001269   000   Delete   NFIRS-11   Juvenile   Firesetter
Complete this section if the person involved in the ignition or the fire was a child or Juvenile under the age of 18  M2 Age or Date of Birth  Age (in years)  OR  Month Day  Year  M3 Gender  1	M4 Race  1 □ White 2 □ Black 3 □ Am. Indian, Eskimo 4 □ Asian 0 □ Other, multi-racial U □ Undetermined  M5 Ethnicity  N □ Other family type  U ■ Unknown
Subject Number  M7 Motivation/Risk Factors Check only one of codes 1-3 and then all other that apply  1 Mild curiosity about fire	M <sub>8</sub> Disposition of Person Under 18
2 ☐ Moderate curiosity about fire 3 ☐ Extreme curiosity about fire  4 ☐ Diagnosed (or suspected) ADD/ADHD 5 ☐ History of trouble outside school 6 ☐ History of stealing or shoplifting 7 ☐ History of physically assulting others 8 ☐ History of fireplay or firesetting 9 ☐ Transiency 0 ☐ Other U ☐ Unknown	1
N Remarks (local use)	
·	·

A	Delete MFIRS Change Massachusetts specific Information
B Critical Incident □ Team Mobilized □	Vehicle Stolen □
Insurance Company:	
Total Insurance: 0.00	
Hazmat Tier Level:	
Hazmat Number Of Entries 0	
Hazmat Suit/PPE Level:	
Circumstances:	
Circumstances:	
	The state of the s
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	El Continue de la Con
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	William III
	The state of the s
	- Charles

### INSPECTION REPORT WESTBOROUGH FIRE DEPA

42 Milk Street - Westborough, MA 01581- Telephone 508-366-3040 - Fax 508-366-0079

Facility:

Chauncy Hall

Date:

June 13, 1997 Time: 900

Address:

Westborough State Hospital, Lyman Street

Phone:

(508) 898-3280

Owner or responsible party:

Russ Gwilliams - Program Director

Type of inspection:

Safety:

Fire drill:

Quarterly:

XXXX.

Compaint:

Occupancy:

Pre fire planning:

Date of mandatory compliance:

Next Quarterly

Reinspection:

Inspection results forwarded to:

Building Inspector:

Board of Health:

Dept. of Public Safety:

Wiring Inspector:

Police Dept.:

Selectman's Office:

Plumbing Inspector:

Owner:

Fire Investigator:

Other:

Northborough Fire Dept., Jeff Powers (WSH), Tom McDonough (Asst. Dir.)

Inspected By:

Norm Beausoleil

Title:

Firefighter

### Remarks:

A quarterly walk through was conducted today by me, accompanied by Northborough Fire Fighters Dan Brillhart and Robert Theve, and program assistant director Tom McDonough. The most recent previous inspection I was able to find was dated November 14, 1994. Being such, we handled this inspection as something new for both the occupant and us.

Northborough Knox box, but missing in Westborough's. A copy is not necessal but would be appropriate. (Key #C413A). All other knox box keys appeared to be correct.

- All Exit lights worked properly with the exception of the one in the Family vis room on the first floor. It lights with the test switch but is not lit under AC Power.
- 3. The electrical outlet near the sink in the kitchen does not appear to be a GF outlet. This must be checked and, if not, corrected by removing or changing to GFI. Bathrooms and other areas have adequate and appropriate GFI outlets.
- 4. Two offices on the first floor are using extension cords to power radios or fans near an outside wall. If staff is finding they are short on outlets, the state hospital should be petitioned to install additional outlets where necessary or desired.
- 5. The school occupies the south side of the first floor. Offices and classrooms are generally in excellent condition. There was no clutter and few if any extension cords, paper piles or other materials out of place.
- 6. The wood shop was the only place where improvements are necessary. The extinguisher was discharged. Being a plastic nozzle extinguisher we recommended it be disposed of and replaced.

Trash must be emptied daily. Where flammable solvents are used for the refinishing of furniture, the rags and papers exposed to them must be removed daily.

All flammable paints and materials must be kept in a metal locker clearly marked as flammable, which must be kept closed whenever not in use.

All non-flammable paints should be kept in the same or similar locker, not spread out around the building as noticed today. This includes paints in the supervisors office on the second floor.

Although there is a nurse on duty we would recommend that some type of eye-wash station or solution be kept in or near the wood shop.

The basement is off limits to employees however we found some problems.

The Sprinkler control valves were not chained or locked. The locks had been removed and left next to the OS&Y valves. These locks must be kept on the system at all times to prevent accidental or malicious shutdown of the system.

The steam system has a sizable leak in the immediate vicinity of the sprinkler control valves. The steam may be contacting and/or penetrating the alarm devices and causing damage. There are grounding problems and basement level troubles on the fire alarm panel that may very well be caused by the steam. The fire alarm problems must be resolved.

### MASSACHUSETTS FIRE INCIDENT REPORT Department of Public Safety Office of the State Fire Marshal 1010 Commonwealth Avenue Boston, Massachusetts 02215

	/														<del></del>
A	10	FDID# 27215	DEPARTM Nort	int hbor	ough F	ire	De	pt			Revised Report	1 2	Delete Change		FORM FP - 32
		ident# 31124	If Expo Fire On	sure ly: OO	Date 12/07	/93	Day o Week:	f Tu	esday		Alarm Ti 19:0		rival Tim 19:17		k in Serv. 1:21
		e of Situation Found II, leak, no fire	1	<u> </u>			4 1	-	Type of Act Standby	ion	Taken		5	Mu 1 2	tual Aid Rec'd Given
c	i Fixe Pave	ed Property Use (Occ ed public street	cupancy)		· ,	ورو منه مده مده بدم پسر <sub>ا</sub> ستو م	962	2	Ignition Fa Undeterm/no	ctor t re	ported		0		N/A
D	Corr	rect Address yman St.@	Chau	ncy I					ه ۱۰۰ <b>ده ده</b> اما به به به ده ده				Code 532	Censu	s Tract
Ε	11	Occupant Name Westboro	Last State	First,Mi	() P.				Teleph (50	one 8)	366-	440	1 Room	or Apt.	
F	12	Owner Name Westboro	Last State	,first,M: Hos	Address	ın S	tre	et	West	oor	0, 1	1a	Telephor (508	)366	5-4401
G		Method of Alarm fro Radio	om Public				THE STATE ST	4	Co. Insp District		on .		ift 4	No. A	larms
Н		No. Fire Service Pe Responded	ersonnel	No. 4 Resi	Engines conded	0	No. Ae Respon	rial ded	Apparatus		No. Tank Resp.	ers C	No. Oth Respond	ner Vehi led	cles 3
•			X Yes No	Sul 1	ostance 993 Dies	sel Fue	:l			·			ipment Use & Pads	d?	
Ι	20	FIRE Number of SERVICE Injuries			r of lities	170			er of ries		Number Fatali			Rescues	
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		i-trailer  urance Co.	نها چهر اوران دروان دروان اوران دروان		23	310			Insurance				n Paid		
	30	Year Make		Model		Color License No. VIN#(Serial No.) Red C 45155									
		73 Mack If Equipment Involv		U  r Ma							rial N	0,			
		In Ignition									Equipment Involved in Ignition				
K		plex				Area Of Origin									
L	For	m of Heat Ignition				<u> </u>		rial	Ignited			liype o	f Materia.		
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Ö	Ext	ent of Flame Damage			Extent of S				Detector F				Sprinkl		
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R		ATHER NDITIONS	-								of Smoł	· _		به جناب دنده نیس بنسیا بسی سید هند	
	ME F.	MBER MAKING REPORT OD Hurst				DA: 12/0:			1"most pri	obabl alidi Stat	e cause ty or ac e Fire d implied	and e couracy Marshal FIR	itect. An	y repres ted cond , is nei	d for the ons and ly and entation as litions out- ther

### indicted of the contract of th HASE BEDOUS Incident Date | Delete 1 12/07/93 | Change 2 Station FDID Incident 931124 EXP attan and attan 二点 Establish Safe Area プエ Investigate HC Area Of Release > On/Near Highway,Stre 1 1 1 Grade Level Level Of Release General Property Use HĎ 99 Use Not Classified Tertiary Primary Pal Collisn/Ovrtrn/Knckd 71 Collisn/Ovrtrn/Knckd 71 Collisn/Ovrtrn/Knck Release Factors Primary Temperature 55 F Equipment Involved 1 Road Transport Vehic 2 Cloudy Disposition Of Incident Estimated Chemicals Released 🎅 Released To Private Agency " Haz Mat ID Sources: Personnel 12 On-Site FD Fire fighter 1 5 On-Site FD HazMat Specialist HH Haz Mat ID Sources: Reference SE No Reference Material Used Number Of Fatalities Number Of Injuries Cother : Fire-Service : 11......[1 Other : Fire-Service : Model Make Year Transport Type 23 Semi-Trailer Truck U Mack Vehicle License State Vehicle License C 45155 ICC/DOT Number Vehicle ID Number Driver's License State Driver's License Number 1000 HR n11546766 6abcd 5a b c d |Special Studies 4abcd 3a b c d 2a b c d labcd 12°CIZ°S Date HU | Member Making Report op Hurst, Member Reviewing Report

### HAZARDOUS MATERIALS CHEMICAL IDENTIFICATION REPORT

HAZA	WDDDD HWIF	1 ( 11 11 - )				Law to Manda M		
		FDID		Station CJI		Incident Date 12/07/93		
Chemical / Trac	de Name	DOT Id	DOT P	lamm/Combust	ible	C.A.S. Number		
Physical State	Extent Of S Extent	Relea Not		Physical State Release 2 Liquid				
Quantity Relea:	sed	Unit Of M	easur on		susp. S Gro	), Environ. Contam. Bround		
Comptend year 1166	ecified	Toothainer Features			Container Type Uncl			
Combainan Mate	rial	Container	Capa	acity Conta		ainer Measure Unit Gallon		
	Incident  SIII 24  Chemical / Trac Diesel Fuel  Physical State  Liquid  Quantity Releas  Container Use  Use Not Clas	Incident SILIZA CO Chemical / Trade Name Diesel Fuel Physical State Stored Z Liquid Guantity Released	Incident Exp FDID 215 Chemical / Trade Name DOT Id 1955 Chemical State Stored Extent Of Extent Of Extent Of Extent Of Science Unit Of Market Science Container Use Science Of Sc	Incident EXP 2315  Chemical / Trade Name DOT Id DOT by Select Fuel  Physical State Stored Extent Of Released Extent Not of Extent Not of Extent Not of Extent Select Exten	Incident Exp PDID Station    Station	Incident CD Station  Chemical / Trade Name DOT Id DOT Hazard Class Chemical / Trade Name DOT Id DOT Hazard Class Chemical / Trade Name DOT Id DOT Hazard Class Flamm/Combustible  Extent Of Release Physic Extent Not Classified 2 Lic Container Released Unit Of Measure Susp. Container Use Container Features Container Use No Special Features  Container Material Container Capacity Container		

### HAZARDOUS MATERIALS REMARKS

### Northborough Fire Dept

For Incident: 931124 Exposure: 00 DATE: 12/07/93 TIME: 19:09

Responded to scene of Tractor Trailer Truck roll over, Lyman Street at Chauncy Hall, Westboro State Hospital, by request of on scene F.D. Ambulance personal, for diesel fuel that was leaking from a ruptured saddle tank.

Arrived to find apx. 3D gallon spill of fuel from a split in one of two saddel tanks on the vehicle involved, with additional fuel leaking from tank.

This reporting officer closed cross over valve between tanks, to prevent additional fuel from undamaged tank leaking out.

Utilized Plug N Dike putty to stop leak from tank, and 12 absorbent pads to soak up as much of product as possible. Notification was made to DEP via after hours phone number. Notification was made to DEP via after hours phone number. DEP agent contacted was Frank Sciannameo, arrival time 20:33.

Notification was made to trucking company, Giroux Bros. Inc. 4D Ballard St. Worc. Ma. 01607 phone # 752-8055.

Advised of situation, and that they would need to contact a clean up contractor.

M&E Zecco notified by trucking co. Arrival on scene 21:22.

Fire Department on scene untill fuel tanks emptied and vehicle uprighted by tow company.

Cellular Phone usage in Rescue as follows.

1 Call to Morthboro Dispatch

4 Call to Fire Dept. H.Q.

5 Call to Zecco office by on site Zecco Foreman. 393-1826

### Page 1

### VEHICLE INFORMATION Northborough Fire Dept

				~~~~~		
FDID INCIDENT NO. 931124	EXP.No.	12	DAY O7	YEAR 93	TIME 19:09	İ

NUMBER 2				DESCRIPTION 1982 E-1 Ford			
ACTION TAKEN Arrived/Emergency Oper.		1	RUN TIME	PUMPING TI	ME	RUN MILES	RUN COST

### PERSONNEL INFORMATION

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ſ			NAME	 J08	TIME	COST	
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-	208 215	F.	OD Hurst		06:00	0.00	
1	215	Ρ.	OD Desautels				ļ

A 215 MA 06 16 FDID State Incident Date	1998   199800000874   000   Delete Change NFIRS - 1 Basic
Street address Intersection In front of    Module in Section B "Alternative in Section B "Altern	e address for this incident is provided on the Wildland Fire a Location Specification". Use only for Wildland fires.  LYMAN ST.  Street or Highway  Orough  MA 01532  State Zip Code
C Incident Type    10   Flammable gas or liquid condition, other	E1 Date & Times    Midnight is 0000   E2 Shifts & Alarms
Primary Action Taken (1)  Additional Action Taken (2)  Additional Action Taken (3)	G1 Resources  Check this box and skip this section if an Apparatus or Personnel Form is used. Apparatus Personnel  Suppression  Other Other Check box if resource counts include aid received resources  G2 Estimated Dollar Losses & Values  LOSSES: Required for all fires if known. Optional for non fires None  Property \$  Contents \$  PRE-INCIDENT VALUE: Optional  Property \$  Contents \$  Cont
Completed Modules    Fire-2	O Cother:Special HazMat actions required or spill >55 gal., Please complete the HazMat form  O Industrial use  63 Military use
131 ☐ Church, place of worship       342 ☐         161 ☐ Restaurant or cafeteria       361 ☐         162 ☐ Bar/tavern or nightclub       419 ☐         213 ☐ Elementary school or kindergart.       429 ☐         215 ☐ High School or junior high       439 ☐         241 ☐ College, adult ed.       449 ☐         311 ☐ Care facility for the aged       459 ☐         331 ☐ Hospital       464 ☐	☐ Clinic, clinic type infirmary       539       ☐ Household goods, sales,repairs         ☐ Doctor/dentist office       579       ☐ Motor vehicle/boat sales/repairs         ☐ Prison or jail, not juvenile       571       ☐ Gas or service station         ☐ 1 - of 2 - family dwelling       599       ☐ Business office         ☐ Multi - family dwelling       615       ☐ Electric generating plant         ☐ Rooming/boarding house       629       ☐ Laboratory/science lab         ☐ Commercial hotel or motel       700       ☐ Manufacturing plant         ☐ Residential, board and care       819       ☐ Livestock/poultry storage (barn)         ☐ Dormitory/barracks       882       ☐ Non-residential parking garage         ☐ Food and beverage sales       891       ☐ Warehouse
124       □ Playground or park       938         655       □ Crops or orchard       946         669       □ Forest (timberland)       951         807       □ Outdoor storage area       960         919       □ Dump or sanitary landfill       961         931       □ Open land or field       962	□ Vacant lot □ Graded/cared for plot of land □ Lake, river, stream □ Railroad right of way □ Other street □ Highway/divided highway □ Residential street/driveway □ Vacant lot □ Service Serv

K1		ntity Involv	ved							
L	ocal option		1	Business name (if applicable)					Area Code Phone	e Number
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lines	ate address	Number		Prefix Street or Highway		·			Stree	et Type Suffix
		1		1.1		1 1				
		Post Office Box	· ·	Apt/:	Suite/Room	City				
		State	Zip Code	de Type					·	
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same	ck this box if address as		JL		24002					
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lines		Number		Prefix Street or Highwa	av					Street Type Suffix
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M A	uthoriza	uon		I		1	1	1.1	07 <i>/</i> 0/	1/2003
Check box	Officer in	charge ID	Signatur		Position or rar	nk	Assignment	L Me	onth Day	Year
if same as	1 -	PH		Į.	Captair		ptain/Shift Co	mmand I		1/2003
Officer in Charge.	J <u>L</u>	aking report	Signatur	re Frederick P Hurst	Position or rai		Assignment		lonth Day	Year

	L1 Supple	emental Special	Studies	Page Number		NFIRS - 1S Supplemental		
1	Special Study ID#	Special Study Value	Special Study ID#	Special Study Value	Special Study ID#	Special Study Value	Special Study ID	Special # Study Value
5	Special Study ID#  Remar local opt		Special Study ID#	Special Study Value	7 Special Study ID#	Special Study Value	Special Study ID#	Special  Study Value

A MM DD  [215 MA 06 16 16 16 16 16 16 16 16 16 16 16 16 16	1998	199800000874 Incident Number	Delete Change Exposure No Activity	MFIRS Massachusetts specific Information
B Critical Incident □			Vehicle Stolen □	
Team Mobilized □				
Insurance Company:				
Total Insurance: 0.00				
Hazmat Tier Level:				
Hazmat Number Of Entries				
Hazmat Suit/PPE Level:	MARKET.	TOTAL CONTRACTOR CONTR		
Circumstances:				
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MA DD DD 15 DD State Incident Date	2002					
Street address Intersection Number/Milepost Prefix	le address for this incident is provided on the Wildland Fire e Location Specification". Use only for Wildland fires.  LYMAN ST.  Street or Highway  DOPOUGH  State					
Closs street of direction, 25 spring.  Incident Type  D Aid Given or Received  1 Mutual aid received 2 Automatic aid recv. 3 Mutual aid given 4 Automatic aid given 5 Other aid given N None  Their Incident Number	E1 Date & Times   Midnight is 0000   E2 Shifts & Alarms					
F Actions Taken  Primary Action Taken (1)  Additional Action Taken (2)  Additional Action Taken (3)	G1 Resources  Check this box and skip this section if an Apparatus or Personnel form is used.  Apparatus Personnel  Suppression  Other  Other  Check box if resource counts include aid received resources  G2 Estimated Dollar Losses & Values  LOSSES: Required for all fires if known. Optional for non fires None  Property \$ 8,000.00 □  Contents \$ □  PRE-INCIDENT VALUE: Optional  Property \$ □  Contents \$ □  Contents \$ □					
Completed Modules  Fire-2 Structure-3 Civillian Fire Cas4 Fire Serv. Casualty-5 EMS-6 HazMat-7 Wildland Fire-8 Apparatus-9 Personnel-10 Arson-11  H1 Casualties  Deaths Fire Service 0 Civillian  Civillian  Detector Required for configuration of the configurati	2					
J Property Use ★ Structures  341 □ Clinic, clinic type infirmary  342 □ Doctor/dentist office  579 □ Motor vehicle/boat sales/repairs  361 □ Prison or jail, not juvenile  571 □ Gas or service station  580 □ Household goods, sales, repairs  580 □ Motor vehicle/boat sales/repairs  581 □ Prison or jail, not juvenile  581 □ Gas or service station  582 □ Business office  583 □ Household goods, sales, repairs  583 □ Household goods, sales, repairs  584 □ Case reservice station  585 □ Business office  585 □ Business office  585 □ Electric generating plant  585 □ High School or junior high  585 □ Laboratory/science lab  586 □ Commercial hotel or motel  587 □ Manufacturing plant  588 □ Non-residential parking garage  588 □ Non-residential parking garage  588 □ Warehouse						
124 ☐ Playground or park 938 655 ☐ Crops or orchard 946 669 ☐ Forest (timberland) 951 807 ☐ Outdoor storage area 960 919 ☐ Dump or sanitary landfill 961	□ Vacant lot □ Graded/cared for plot of land □ Lake, river, stream □ Railroad right of way □ Other street □ Highway/divided highway □ Residential street/driveway □ Residential street/driveway □ NFIRS - Revision 03/11/99					

Person/Entity Involved   Business name (if applicable)   Area Code   Phone Number   Same address as incident location. Then skip the three duplicate address   Ilines   Number   Prefix   Street or Highway   Street Type   Suffix   Street Type   Suffix   Type   State   Zip Code   Type   More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary.	×
Then skip the three duplicate address lines	uffix
Remarks: local option  Date/Time NFIRS Notes by:	error
Fire Module Required? shade the box that applies and then complete the additional I mod. based on Incident Type as follows  Buildings 111	re 1 ule nd
M Authorization  Check box Officer in charge ID Signature Position or rank Assignment Month Day Year if Same as Officer in Charge. PHB Captain Position or rank Assignment Month Day Year Signature Paul H Bruning Position or rank Assignment Month Day Year	

	L1 Supple	emental Spe	ecial Studi	es				Page Number		5	NFIRS - 1S Supplemental
1	Special Study ID#	Special Study Value	2	Special Study ID#	Special Study Value	3	Special Study ID#	Special Study Value	4	Special Study ID#	Special Study Value
5	Special Study ID#	Special Study Value	6	Special Study ID#	Special Study Value	7	Special Study ID#	Special Study Value	8	Special Study ID#	Special Study Value
	L2 Remai										

	215 MA 07 15 2 State Incident Date	002   200200001036   000   Station   Incident Number   Exposure	Delete NFIRS - 2 Fire
B1	Property Details  Not Residential  Estimated number of residential living units in building of origin whether or not all units became involved  Buildings not invol	C or Products None and age products Inter up to three codes. Check one box for each code products Inter up to three codes. Check one box for each code products Interval Inter	omplete if there were any signficant nounts of commercial, industrial, energy or pricultural products of materials on the operty, whether or not they became involved    Bulk storage or warehousing   Processing or manufacturing   Packaged goods for sale   Repair or service
B <sub>2</sub>	Number of buildings involved	On-site material (2)  On-site material (3)	<ul> <li>□ Bulk storage or warehousing</li> <li>□ Processing or manufacturing</li> <li>□ Packaged goods for sale</li> <li>□ Repair or service</li> <li>□ Bulk storage or warehousing</li> <li>□ Processing or manufacturing</li> <li>□ Packaged goods for sale</li> <li>□ Repair or service</li> </ul>
D D1 D2 D3	Area of fire origin    00	☐ Check box if this is an exposure report  1 ☐ Intentional 2 ☐ Unintentional 3 ☐ Failure of equipment or heat source 4 ☐ Act of nature 5 ☐ Cause under investigation  3	alchol or drugs  Unattended person Possibly mentally disabled Physically disabled Mulitple persons involved Age was a factor  Estimated age of person involved
Equ Invo Bra Mo	Equipment Involved In Ignition  None If equipment is not involved, skip to Section G  Oo Other equipment involved in ignition  ipment ignition	F2 Equipment Power	)
2 [ 3 [ Md	Mobile Property Involved  ☐ None ☐ Not involved in ignition, but burned ☐ Involved in ignition, but did not burn ☐ Involved in ignition, and burned ☐ bille property model ☐ State VIN Number	H2	Pre-Fire Plan Available of the information presented in this report may be dupon reports from other agencies:  Arson report attached Police report attached Coroner report attached Other reports attached NFIRS-2 Revision 01/19/99

A MM DD YYYY  215 MA 07 15 2002 200200  State Incident Date Station Incident Nur	0001036   000   Delete   MFIRS   Change   Information   Information
B Critical Incident □	Vehicle Stolen □
Team Mobilized □	
Insurance Company:	
Total Insurance: 0.00	
Hazmat Tier Level:	
Hazmat Number Of Entries	
Hazmat Suit/PPE Level:	<u> </u>
Circumstances:	

A 27215 MA 01 04 2007  FDID State Incident Date	INFIRS - 1
B Location Check this box to indicate that the address Module in Section B "Alternative Location B Intersection In front of Rear of Adjacent to Directions Apt./Suite/Room City	for this incident is provided on the Wildland Fire Specification". Use only for Wildland fires.  Lyman St  Street or Highway  MA 01532  State Zip Code
Cross street or directions, as applicable	
C Incident Type 💢 E1	Date & Times Midnight is 0000 E2 Shifts & Alarms
Hamiltonian   Check by dates are same as Date.	e the
43   Hazardous materials spill control   Primary Action Taken (1)	Check this box and skip this section if an Apparatus or Personnel form is used.  Apparatus Personnel ession 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Completed Modules  ☐ Fire-2 ☐ Structure-3 ☐ Civillian Fire Cas4 ☐ Fire Serv. Casualty-5 ☐ EMS-6 ☐ HazMat-7 ☐ Wildland Fire-8 ☐ Apparatus-9 ☐ Personnel-10 ☐ Arson-11  ☐ H2 ☐ Detector Required for confined fires, 1 ☐ Detector alerted occupants 2 ☐ Detector did not alert them U ☐ Unknown	H3 Hazardous Materials Release  N None  Natural gas: slow leak, no evacuation of HazMat actions Casoline: vehicle fuel tank or portable container Casoline: vehicle fuel tank or portable storage Casoline: vehicle fuel tank
131 ☐ Church, place of worship         342 ☐ Doctor           161 ☐ Restaurant or cafeteria         361 ☐ Prisor           162 ☐ Bar/tavern or nightclub         419 ☐ 1 - of           213 ☐ Elementary school or kindergart.         429 ☐ Multi           215 ☐ High School or junior high         439 ☐ Room           241 ☐ College, adult ed.         449 ☐ Comr           311 ☐ Care facility for the aged         459 ☐ Resid           331 ☐ Hospital         464 ☐ Dorm           519 ☐ Food	and beverage sales 891
124 ☐ Playground or park 938 ☐ Grades 655 ☐ Crops or orchard 946 ☐ Lake, 669 ☐ Forest (timberland) 951 ☐ Railro 807 ☐ Outdoor storage area 960 ☐ Other 919 ☐ Dump or sanitary landfill 961 ☐ Highw	ed/cared for plot of land 981

A 27215 MA State	MM DD  01 04  Incident Date	2007	Station	2007000000022 Incident Number	Delete Change Exposure No Activ	MFIRS Massachusetts specific Information
B Critical Incident □ Team Mobilized □					Vehicle Stolen □	
Insurance Company:						
Total Insurance: 0	0.00					
Hazmat Tier Level: _	· ·					
Hazmat Number Of Entries 0						·
Hazmat Suit/PPE Level:	·					
Circumstances:						
					·	

K1 Person/Entity Involved  Local option Business name (if applicable)  Check this box if same address as incident location. Then skip the three duplicate address lines  Mr. Ms. Mrs. First Name  Mr. Ms. Mrs. First Name  Number Prefix Street or Highway  Post Office Box Apt/Suite/Room  State Zip Code Type  More people involved? Check this box and attach Supp	Area Code Phone Number
Same as person involved? Then check this box and skip the rest of this section    Check this box if same address as incident location. Then skip the three duplicate address lines    Mr. Ms. Mrs.   First Name	Area Code Phone Number  MI Last Name Suffix  Street Type Suffix  City
Date/Time NFIRS Notes by:    Date/Time   NFIRS Notes by:	Fire Module Required? shade the box that applies and then complete the additional Fire mod. based on Incident Type as follows  Buildings 111
M Authorization  MTG  Check box Officer in charge ID Signature Michael T Gaudette Position or raining same as Officer in Charge.  Member making report ID  Michael T Gaudette Position or raining signature  Michael T Gaudette Position or raining signature  Note: The charge is the charge in the charge is the cha	MT Career FireFighter 01/08/2007

L1 Supp	lemental Specia	l Studies			Page Number		NFIRS - 1S Supplemental
Special Sludy ID#	Special Sludy Value	Special Study ID#	Special Study Value	Special Study ID#	Special Study Value	Special Study ID	Special # Study Value
Special Study ID#	Special Study Value	Special Study ID#	Special Study Value	7 Special Study ID#	Special Study Value	Special Study ID	Special # Study Value
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A 27215 MA 11 10 Lincident Date State Incident Date	2008   2008000001694   000   Delete   NFIRS - 1   Basic   Station   Incident Number   Exposure   No Activity   Change   No Activity   Change   Change   No Activity   Change   Change
B Location Check this box to indicate that the Module in Section B "Alternative Module in Section B	State Zip Code
C Incident Type 💢	E1 Date & Times  Check boxes if Month Day Year Hour Min  dates are the
Incident Type  D Aid Given or Received  1	ALARM always required same as Alarm  Date. Alarm   ARRIVAL required, unless canceled or did not arrive  Arrival   CONTROLLED optional, except for wildland fires  LAST UNIT CLEARED, required except for wildland fires  Last Unit Cleared  ALARM always required 13:03  ARRIVAL required unless canceled or did not arrive  11
F Actions Taken  86   Investigate  Primary Action Taken (1)  Additional Action Taken (2)  Additional Action Taken (3)	G1 Resources  Check this box and skip this section if an Apparatus Personnel Suppression 0 0 0
Completed Modules  ☐ Fire-2 ☐ Structure-3 ☐ Civillian Fire Cas4 ☐ Fire Serv. Casualty-5 ☐ EMS-6 ☐ HazMat-7 ☐ Wildland Fire-8 ☐ Apparatus-9 ☐ Personnel-10 ☐ Arson-11  ☐ Detector alerted oc 2 ☐ Detector did not ale ☐ U ☐ Unknown	O  Other:Special HazMat actions required or spill >55 gal., Please complete the HazMat form  O  Military use 65  Farm use
131 ☐ Church, place of worship       342         161 ☐ Restaurant or cafeteria       361         162 ☐ Bar/tavern or nightclub       419         213 ☐ Elementary school or kindergart.       429         215 ☐ High School or junior high       439         241 ☐ College, adult ed.       449         311 ☐ Care facility for the aged       459         131 ☐ Hospital       464	□ Clinic, clinic type infirmary       539       □ Household goods, sales,repairs         □ Doctor/dentist office       579       □ Motor vehicle/boat sales/repairs         □ Prison or jail, not juvenile       571       □ Gas or service station         □ 1 - of 2 - family dwelling       599       ■ Business office         □ Multi - family dwelling       615       □ Electric generating plant         □ Rooming/boarding house       629       □ Laboratory/science lab         □ Commercial hotel or motel       700       □ Manufacturing plant         □ Residential, board and care       819       □ Livestock/poultry storage (barn)         □ Dormitory/barracks       882       □ Non-residential parking garage         □ Food and beverage sales       891       □ Warehouse
124 ☐ Playground or park 938 655 ☐ Crops or orchard 946 669 ☐ Forest (timberland) 951 807 ☐ Outdoor storage area 960	□ Vacant lot       □ Graded/cared for plot of land       981       □ Construction site         □ Lake, river, stream       984       □ Industrial plant yard         □ Railroad right of way       □ Other street       Look up and enter a Property Use code only if you have NOT checked a Property Use box::       NFIRS - Revision 03/11/99

Person/Entity Involved			
Check this box if	Andrew  First Name  Prefix Street or Highway	Last Name	Area Code Phone Number Suffix Street Type Suffix
Post Office Box State Zip Cod More people involved?	Apt/Suite/Room Property Owner  Type Check this box and attach Sup	city oplemental Forms (NFIRS-1S) as i	necessary.
L	Division 4 Properties  Business name (if applicable)  First Name  Lyman St  Prefix Street or Highway  Apt/Suite/Room	MI Last Name    Northborough	Area Code Phone Number Suffix Street Type Suffix
Remarks: local option  Date/Time NFIRS N	lotes by:	Fire Module Required? shade the box that applies and mod. based on Incident Type a	I then complete the additional Fire
		Buildings 111 Special structure 112  Confined 113 - 118 Mobile Property 120 - 123 Vehicle 130-138 Vegetation 140-143 Outside rubbish fire 150-155 Special outside fire 160 Special outside fire 161-164	Complete Fire & Structure Complete Fire Mod. & the 1 block on Structure Module Complete Basic Module Complete Fire Module Complete Fire or Wildland Complete Basic Module Complete Fire or Wildland Complete Fire or Wildland
	MUST ALWAYS BE COMPLETED BOOK and attach Supplemental Form		Complete Fire or Wildland
if same as Hunt	Captai Position o  Ca  Ca  Ca  Ca  Ca  Ca  Ca  Ca  Ca  C	Assignment  Aptain  Department Administ	11/10/2008   Month Day Year   11/10/2008   Month Day Year

	L1 Supple	emental Spe	cial Studi	es				Page Number			NFIRS - 1S Supplemental
1	Special Study ID#	Special Study Value	2	Special Study ID#	Special Study Value	3	Special Study ID#	Special Study Value	4	Special Study ID#	Special Study Value
5	Special Study ID#	Special Study Value	6	Special Study ID#	Special Study Value	7	Special Study ID#	Special Study Value	8	Special Study ID#	Special Study Value
	L2 Remai										

1	008000001694 000 Delete MFIRS Change Change Information Information
B Critical Incident □	Vehicle Stolen □
Team Mobilized □	and the second s
Insurance Company:	
Total Insurance: 0.00	
Hazmat Tier Level:	
Hazmat Number Of Entries	
Hazmat Suit/PPE Level:	
Circumstances:	
	·

# PERMIT TO INSTALL - ALTER FUEL OIL BURNING EQUIPMENT

	G.L., and Regulations made under authority thereof.
Name Homes C. Dailing	Name C. W. Greene Co. Inc.  Address 5 Triesles St Wowerl.  Storage
Address Brigham St.	Address 5 Friedel St Wowerl
Burner	Storage
Name United States	Type of Tank _ Gral.
Manufacturer Coelin Co.	_Capacity275 gals. (or) Size
Model No. or Size 400-5F-2	_LocationCellac
Type Gun Mass. Approval No. 1868	Certificate of Competency No. 6018
gals, fuel oil may be temporarily sto	red and used for testing purposes.
110-4-56	Hand & Elsunot
Permit issued/ expires	Head of Eige Department)  By  By
Fee Paid	By this
•	
	en e
. • • • •	en general de la companya de la comp La companya de la companya de
PERMIT TO 1	Northboro, Mass.
	NSTALL - ALTER
FUEL OIL BUR	NSTALL - ALTER NING EQUIPMENT
FUEL OIL BUR In accordance with provisions of Chapter 148,	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.
FUEL OIL BUR In accordance with provisions of Chapter 148, Name (Owner or Occupant)	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name ADR + Word C./ Co.
FUEL OIL BUR In accordance with provisions of Chapter 148, Name (Owner or Occupant)	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name ADR + Word C./ Co.
FUEL OIL BUR In accordance with provisions of Chapter 148, Name Confidence of Occupant) Address Piga Are ST	NSTALL - ALTER NING EQUIPMENT G.L., and Regulations made under authority thereof.  Name Abring Storage
FUEL OIL BUR In accordance with provisions of Chapter 148, Name (Owner or Occupant)	NSTALL - ALTER NING EQUIPMENT G.L., and Regulations made under authority thereof.  Name Abring Storage
FUEL OIL BUR  In accordance with provisions of Chapter 148,  Name Court per Art Colf B  (Owner or Occupant)  Address Brig Art S  Burner  Name Dexaco Fuel Chief  Manufacturer Dexaco	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name Dor horo C./ Co.  (Installer)  Address L. Main ST.  Storage  Type of Tank ST.C.  Capacity S. gals. (or) Size
FUEL OIL BUR  In accordance with provisions of Chapter 148,  Name Court per Art Colf B  (Owner or Occupant)  Address Brig Art S  Burner  Name Dexaco Fuel Chief  Manufacturer Dexaco	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name Dor horo C./ Co.  (Installer)  Address L. Main ST.  Storage  Type of Tank ST.C.  Capacity S. gals. (or) Size
FUEL OIL BUR  In accordance with provisions of Chapter 148,  Name Peral Art ST  Address Pia Art ST  Burner  Name Peral Of Chie  Manufacturer Peral Of PR	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name Dor horo Cilotaller)  Address Difficulty Storage  Storage  Capacity Sogals. (or) Size  Location Cella C
FUEL OIL BUR  In accordance with provisions of Chapter 148,  Name Court per Art Colf B  (Owner or Occupant)  Address Brig Art S  Burner  Name Dexaco Fuel Chief  Manufacturer Dexaco	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name
FUEL OIL BUR  In accordance with provisions of Chapter 148,  Name Confidence of Occupant)  Address Right Arm ST  Burner  Name Pexaco Fiel Chie  Manufacturer Pexaco  Model No. or Size FR  Type Con Mass. Aproval No. 969  gals. fyel oil may be temporarily st	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name
FUEL OIL BUR  In accordance with provisions of Chapter 148,  Name Confidence of Occupant)  Address Right Arm ST  Burner  Name Pexaco Fuel Chie  Manufacturer Pexaco  Model No. or Size FR  Type Gu Al Mass. Aproval No. 969	NSTALL - ALTER  NING EQUIPMENT  G.L., and Regulations made under authority thereof.  Name Dor thoro C. (Installer)  Address Drype of Tank Storage  Capacity Sals. (or) Size  Location Cella (7)  Certificate of Competency No. 240 Department)

# The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION 1010 COMMONWEALTH AVENUE, BOSTON

25 1977

# APPICATION FOR PERMIT

HEAD OF FIRE DEPARTMENT	CORTHRORD City or Town
HEA	3
<u>j</u>	

148. G. L. as provided in Sec.	
48,	
rovisions of Chapter 14	•
h the p	y made
with t	Σ II
nce w	herek
rda	R
In acco	application

12.6. GOLF COURSE GOT CALLAND ST. NORTHERED MAINITE SHOP (Give location by street and no., or describe in such manner as to provide adequate identification of location) OF GASOLINE 202 BRIGHAM JUNINER HILL CALLONS Fee \$ 50 Paid - Due Just ECOUPMENT for permission to 570RZ 75 Z/2 AND S GALLON 196196 15 Restrictions: G-04 F Date issued—rejected 4/ Date of expiration which permit State clearly purpose for is granted at

## The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION
1010 COMMONWEALTH AVENUE, BOSTON

MOSTHBOROUGH 6/261981
(Gity or Town) (Date)

### APPLICATION FOR LICENSE

For the lawful use of the herein described building... or other structure..., application is hereby made in accordance with the provisions of Chapter 148 of the General Laws, for a license to use the land on which such building... or other

structure... is/are or is/are to be situated, and only to such extent as shown on plot plan which is filed with and made a part of this application.

Location of land Corporate School ST

Location of land Corporate School ST

Owner of land Corporate School ST

Number of buildings or other structures to which this application applies

Occupancy or use of such buildings

Occupancy of tanks in gallons:—Aboveground

Kind of fluid to be stored in tanks. GASOLINE

Approved—Disapproved

19

Location on plot plan which is filed with and made a part of this application. SCHOOL ST

Nearest cross street

SCHOOL ST

None

ST

None

Corporate



(Head of Fire Dept.)

# The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION

1010 COMMONWEALTH AVENUE. BOSTON

NORTHBOROUGH

August 10, 19<sup>81</sup>

(City or Town)

(Date)

# LCENSE

In accordance with the provisions of Chapter 148 of the General Laws, a license is hereby granted to use the land herein described for the lawful use of the building.... or other structure... which is/are or is/are to be situated thereon, and as described on the plot plan filed with the application for this license.

and the debutter of the second	
Location of land 202 Brigham Street Number Nearest cross  Owner of land Homer D. Darling Address Jun  Number of buildings or other structures to which this license applies No	HOOL HITT GOTT CONTROL SECTION DO
Number of buildings or other structures to which this assets approximation	
Occupancy or use of such buildings	Underground 1,000 (two 500 gal tanks
Kind of fluid to be stored in tunks	capped within 45 after installation of
two new 500 gallon tanks,	Thursday I Strand

(Signalure of licensing authority)
Chairman, Board of Selectmen

THIS LICENSE OR A PHOTOSTATIC OR CERTIFIED COPY THEREOF MUST BE CONSPICUOUSLY

# The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION 1010 COMMONWEALTH AVENUE, BOSTON

/0//9 198/

# APPLICATION FOR PERMIT

To: HEAD	OF FIRE DEPARTMENT
	Northborough
In accordance of the second of	ance with the provisions of Chapter 148, G. L. as provided in Sec. hereby made for permission to /NSTALL 2 500 GALLON GASOLINE  TANKS, Many ground
which permit is granted	Restrictions:
(Give loca	PER HILL GOLF COURSE, 202BRIGHAM ST, NORTHBORD, MA ation by street and no., or describe in such manner as to provide adequate identification of location)  Oulk to, Dailing
	-rejected///// O 1987 By
Date of expir	ration19 Fee \$3@Paid—Due



### NORTHBOROUGH FIRE DEPARTMENT

11 PIERCE STREET

NORTHBOROUGH, MASS. 01532-1907

BUSINESS TELEPHONE (617) 393-2442

### ABOVEGROUND/UNDERGROUND TANK STORAGE INFORMATION

Occupant Name: To	Uniper hill GOIF course	
Address: 202	Brigham St	Owner: Homor Darling
Number of Tanks	2	·
Tank Age: 4	Capacity in gallons	580 Flammable Reg
Tank Age: 4	Capacity in gallons	Flammable UN leaded.
Tank Age:	Capacity in gallons	Flammable
Tank Age:	Capacity in gallons	Flammable
Permits: Yes	No License: Yes	No Gallons_1000
Location of Tank or	n Site: Front Of	- workshop
Type of Fluid:	ed presently: Yes No Class A (gasoline) Class B (fuel oil) Aboveground	_ also 1000 Gai LP — Tank - Rear workshop
	Underground	tage
Records inspected:	YesNo(CMR	527, 5.05)
Average Overage/Sho	ortage: Gal	lons
•		

# The Commonwealth of Maneachusetts

### DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION



	To: Head of Fire Department  NORTHBORO City or Town  Date	
Form F.P. 290 Part 4	Application is hereby made for a permit to maintain an existing/new underground storage facility as required by 527CMR9.00: Permits.	
	Location of property: 202 BRIGHAM ST., NORTHBORD, MA	
٠	Owner of property: JUNIPER HILL GOLF COURSE, INC.  Full name of person, firm or corporation	
	Signature of owner or authorized representative: Dudy w. Daly	
	Fee:\$ 1000 (M.G.L.A. Chapt. 148 Sec. 10A)	
	(Fire Department's Copy to be Filed with F.P.290 part 2)	
S	-pizes may diag/	

### ion or Underground Storage Tanks



### Submit to: LOCAL FIRE DEPARTMENT

FIRE DEPT. I.D. Number z7,2 /5 Date Received

FIRE DEPT. CERTIFICATION STATE USE ONLY

### GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2, industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;

2. tanks used for storing heating oil for consumptive use on the premises where stored; 3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws:

5, surface impoundments, pits, ponds, or lagoons:

storm water or waste water collection systems;

7. flow-through process tanks:

8. liquid traps or associated gathering lines directly related to oil or gas production and

gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

### Please type or print in ink all items except "signature" in Section V. This form must by completed for Indicate number of each location containing underground storage tanks. If more than 5 tanks are owned at this location, continuation sheets photocopy the reverse side, and staple continuation sheets to this form. attached I. OWNERSHIP OF TANK(S) II. LOCATION OF TANK(S) Owner Name (Corporation, Individual, Public Agency, or Other Entity) (If same as Section 1, mark box here A) Juniper Hill Golf Course, Inc. Facility Name or Company Site Identifier, as applicable Street Address 202 Brigham St. County Street Address or State Road, as applicable Worcester ZIP Code County State 01532 Northboro Ma Area Code Phone Number City (nearest) State ZIP Code 617 3932444 Type of Owner (Mark all that apply X) Private or Indicate Mark box here if tank(s) (Z). Current State or Local Gov't Corporate number of are located on land within Federal Gov't Ownership tanks at this an Indian reservation or Former (GSA facility I.D. no. uncertain location on other Indian trust lands Name (If same as Section I, mark box here Dudley W. Darling Job Title V**ic**e President Area Code 39 3 Phone Number 617 IV. TYPE OF NOTIFICATION Mark box here only if this is an amended or subsequent notification for this location. V.CERTIFICATION (Read and sign after completing Section VI.) I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. Name and official title of owner or owner's authorized representative Signature Date Signed 86 Vice President Dudley W. Darling

CONTINUE ON REVERSESIDE

wner Name (from Section I)	OUTSE cation (from Secti	on II)		_ Page No	
wner Name (from Section I)	0570:7.437.11	S/Gomplele/ord		:((on))	Tank No.
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No. 2	Tank No.	Tank No.	Talik IVO.
(Mark all that apply 图)  Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86		X —			
2. Estimated Age (Years)	500	5 500 ·			
3. Estimated Total Capacity (Gallons)					
4. Material of Construction Steel (Mark one 图) Concrete Fiberglass Reinforced Plastic Unknown	X	X			
Other, Please Specify					
5. Internal Protection Cathodic Protection (Mark all that apply 図) Interior Lining (e.g., epoxy resins) None Unknown		\ \tag{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin\tint{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\ti}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}\\ \text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex			
Other, Please Specify					
6. External Protection Cathodic Protection (Mark all that apply 図) Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown					
Other, Please Specify					
7. Piping Bare Steel (Mark all that apply 図) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown	X				
Other, Please Specify		_			
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply 图)		Ž.			
c. Hazardous Substance					_
Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box 🗵 if tank stores a mixture of substances d. Unknown					
9. Additional Information (for tanks permanently taken out of service)  a. Estimated date last used (mo/yr)	/	/	/		/
b. Estimated quantity of substance remaining (gal.) c. Mark box 🗵 if tank was filled with inert material (e.g., sand, concrete)	·				

41 F P	DETLION	WILLEN	IOR	18	COMPLETED

PERMIT NO.

### TOWN OF NORTHBOROUGH- APPLICATION TO INSTALL OIL BURNING EQUIPMENT AND/OR FUEL OIL STORAGE In accordance with provisions of Chapter 148, G.L., and regulations made under authority thereof:

To the state of the state of	
Name January Hill Coll C. C. (Owner or	Occupant)
Address Address Address Address	Telephone No. 3 13 - 2 4 4
BURNER	STORAGE
Name DECKCTT	Type of Tank STEEL
Manufacturer To the TT	Capacity 175 gals. (or) Size
Model No. or Size 150	Location 18 45 CHIERT
Type Mass. Approval No Sec 8501	CONTROL
FeeDate	Type (Automatic or Manual)
Name /Ver Therees, OH (O	Location of Automatic Shut-off Valve
Address 347 WOT WATER 57	197 THUKA PROMICE TO
Installer's License No. 3 43 6 4	Location of Manual Shut-off Valve
Telephone No. 543-6200 - 05.	
Inspected By	Fee / / ( Date = 15 / 1/(E(1))
- Control of the Cont	The second secon

RECEIPT OF DISPOSAL OF UNDERGROUND SILED STORAGE TANK
NAME AND ADDRESS OF APPROVED TANK YARD LAWRENCE, MASS. U1841  APPROVED TANK YARD NO. 1 4 9 0 1  Tank Yard Ledger 502 CMR 3.03(4) Number: 9 4 0 0 4 4 9
I certify under penalty of law I have personally examined the underground steel storage tank
delivered to this "approved tank yard" by firm, corporation or partnership
and accepted same in conformance with Massachusetts Fire Prevention
Regulation 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank dismantling yards.
A valid permit was issued by LOCAL Head of Fire Department FDID# 27215 to transport
this tank to this yard.
Name and official title of approved tank yard owner or owners authorized representative:
Moranto Ctw 5-0891
SIGNATURE TITLE DATE SIGNED
This signed receipt of disposal must be returned to the local head of the fire department FDID# 2 7 pursuant to 502 CMR 3:00. (EACH TANK MUST HAVE A RECEIPT OF DISPOSAL)

FORM F.P. 291 (rev. 9/88)

(OVER)

MASSACHUSETTS STATE FIRE MARSHAL'S OFFICE

DIMENSIONS	Tank Removed From
Width Length	(no. street)
Tank 1 X	North bours
Tank 2 X	(city or town) Junifer Hill GC.
Tank 3 X	Fire Department 27215
Tank 4 X	Permit #(if applicable)
Tank 5 X (feet) (feet)	



# The Commonwealth of Massachusetts Department of Public Safety Division of Fire Prevention and Regulation

CINDACE EXCILITY	TING/NEW UNDERGROUND
TO: Head of Fire Department STORAGE FACILITY	·
NORTH BORD	9/19 1991
City, Town or District	Date
Application is hereby made for a permit to maintai underground storage facility as required by 527 CM	n an existing/ <del>new</del> R 9.00: Permits.
Location of property: 202 BRIGHAM ST. Street Add	NORTHBORD MA
Street Add	ress
Owner of property: JUNIPER HILL GOLF C. Full name of person, fi	OURSE, INC.
Signature of owner or authorized representative:	
70°	my Willand
FEE: \$ 00 (M.G.L.A. Chapt. 148 Sec. 10A)	;
(Fire department)	
(Fire department's copy to be filed with	F.P. 290 Part 2)
The Commence of Manager	
The Commonwealth of Massac	cnusetts
Department of Public Safe	ty
Division of Fire Prevention and I	Regulation
	9/19 19 91
	Date
TO MAINTAIN AN EXISTING/NEW UNDERGROUND	STORAGE FACILITY
5	
In accordance with the provisions of 527 CMR 9.26 th existing/new underground storage facility is granted	
location of property: 200 Pullsham Gharach	
Location of property: 202 Brigham Street Street address	,
##! ### === :	
Owner of property: Juniper Hill Golf Course	e, Inc.
Owner of property: Juniper Hill Golf Course  full name of person, firm or corpor	ation
Owner of property: Juniper Hill Golf Course	ation
Owner of property: Juniper Hill Golf Course  full name of person, firm or corpor	ation
Owner of property: Juniper Hill Golf Course  full name of person, firm or corpor	ation
Owner of property:  Juniper Hill Gölf Course  Full name of person, firm or corpor  Restrictions:  To be operated in accordance	with 527 CMR 9.00
Owner of property:  Juniper Hill Golf Course  Full name of person, firm or corpor  Restrictions:  To be operated in accordance  NORTHB	with 527 CMR 9.00  OROUGH FIRE DEPARTMENT
Owner of property:  Juniper Hill Golf Course  Full name of person, firm or corpor  Restrictions:  To be operated in accordance  NORTHBE	with 527 CMR 9.00  OROUGH FIRE DEPARTMENT

FORM F.P. 290 (rev. 10/90)

FORM F.P. 290 (rev. 10/90)

(Owner's copy to be posted at the storage facility)





# Department of Public Safety Division of Fire Prevention and Regulation

Notification for Underground Storage Tanks	STATE USE ONLY
	ID NUMBER FIRE DEPT.
Submit to: LOCAL FIRE DEPARTMENT	DATE RECEIVED 9-11-51
	A. Date Entered Into Computer CLOSURE B. Data Entry Clock Initials
	D. Data Liftly Olerk Hilliais
No. of tanks at facilityNo. of continuation sheet	C. Owner Was Contacted to Clarify Responses. Comments
INSTRUCTIONS	Olarity Frosportossi. Commonte
Please type or print in ink all items except "signature" in section must be completed for each location containing underground stora more than five (5) tanks are owned at this location, photocopy the sheets, and staple continuation sheets to the form.	age tanks. If
GENERALIN	<b>IFORMATION</b>
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and  b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any changes to facility information or tank system status (only amended tank information needs to be included).  What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2. indistrial solvents, pesticides, herbicides or fumigants.  What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded f	3. septic tanks; 4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, o which is an intrastate pipeline facility regulated under State laws; 5. surface impoundments, pits, ponds, or lagoons; 6. storm water or waste water collection systems; 7. flow-through process tanks; 8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations; 9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situate upon or above the surface of the floor.  What Substances Are Covered? The notification requirements apply to under ground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle CRCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).  Where To Notify? Completed notification forms should be sent to the addregiven at the top of this page.  When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notif by May 8, 1986. 2. Owners who bring underground storage tanks into use after Ma 8, 1986, must notify within 30 days of bringing the tanks into use of that have been taken out of operation after January 1, 1974, but still in the ground, must notif by May 8, 1986. 2. Owners who bring underground storage tanks into use after Ma 8, 1986, must notify within 30 days of bringing the tanks into use after Ma 8, 1986, must notify within 30 days of bringing the tanks into use \$10,000 for each tank for which notifi
I. OWNERSHIP OF TANK(S)	II. LOCATION OF TANK(S)
	If required by State, give the geographic location of tanks by degrees, minutes, and seconds. Examples Lat. 42, 36, 12 N Long. 85, 24, 17W
Owner Name (Corporation, Individual, Public Agency, or Other Entity)  TUNIPER HILL GOLF COURSE, INC  Street Address	Latitude <u>42,19,43</u> N Longitude <u>71,37,45</u> W
202 BRIGHAM ST,	(If same as Section I, mark box here H)
NORTHBORD MA 01532	Acception of the second of the
City State ZIP Code	JUNIPER HILL GOLF COURSE THE
WORCESTER County	TO DISTANCE TO THE TIME
(SOX) 343-2444 Phone Number (Include Area Code)	NORTHBORO, MA 01532

III TARE OF OVERED			
III. TYPE OF OWNER		AN LANDS	T
☐ Federal Government ☐ Commercial ☐ State Government ☐ Private ☐ Local Government	Tanks are located on land within an Ind Reservation or on other trust lands.  Tanks are owned by native American		Tribe or Nation:
Local Government	nation, tribe, or individual.		
	V. TYPE OF FACILITY		
Select the Appropriate Facility Description		•	
Gas Station	Railroad	Trucki	ng/Transport
Petroleum Distributor	 Federal - Non-Military	 Utilitie	•
Air Taxi (Airline)	Federal - Military	 Reside	ential
Aircraft Owner		 Farm	
Auto Dealership	Contractor	X Other	(Explain) GOLF COURSE
			(
VI CONTA	ACT PERSON IN CHARGE OF TANKS		
		·	
Name Job Title JUNI	PER HILL GOLF COURSE	Phon	e Number (Include Area Code)
DUDLEY W. DARING U.R. 20	R BRIGHAM ST. THBORO, MA 01532		8) 393-2444
	FINANCIAL RESPONSIBILITY		
I have met the finar accordance with 40	ncial responsibility requirements in CFR Subpart H		
Check All that Apply  Self Insurance  Commercial Insurance  Risk Retention Group	Guarantee Surety Bond Letter of Credit	Tru	te Funds st Fund er Method Allowed Specify
VIII. CERTIFICATIO	N (Read and sign after completing all sec	ctions)	
I certify under penalty of law that I have personally exa documents, and that based on my inquiry of those indisubmitted information is true, accurate, and complete.	mined and am familiar with the informatic	on submitte	ed in this and all attached formation, I believe that the
Name and official title of owner or owner's authorized representative (Print)  DUDLEY W, DARUNG	Signature		Date Signed
VICE PRESIDENT	Onely W. Oal	7	9/6/91
EPA estimates public reporting burden for this form to gathering and maintaining the data needed and comple Chief, Information Policy Branch PM-223, U.S. Environ "Attention Dask Officer for EPA." This form amends the	average 30 minutes per response includi eting and reviewing the form. Send comm nmental Protection Agency, 401 M Street.	ng time for nents regal Washingt	rding this burden estimate to on D.C. 20460, marked

$\left. \right\rangle$	IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)							
	Tank Identification Number	Tank No/_	Tank No 2	Tank No	Tank No	Tank No		
	Status of Tank     (mark only one)     Currently in Use	$\square$	X					
	Temporarily Out of Use (Remember to fit out section IX.)							
	Permanently Out of Use (Remember to fill out section (X.)							
	Amendment of Information							
	2. Date of Installation (mo./year)	8/81	8/81					
L	3. Estimated Total Capacity (gallons)	500	500					
	4. Material of Construction  (Mark all that apply)  Asphalt Coated or Bare Steel Cathodically Protected Steel Epoxy Coated Steel Composite (Steel with Fiberglass) Fiberglass Reinforced Plastic Lined Interior Double Walled Polyethylene Tank Jacket Concrete Excavation Liner Unknown Other, Please specify	X	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
	Has tank been repaired?	NO	ND					
	5. Piping (Material) (Mark all that apply) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Copper Cathodically Protected Double Walled Secondary Containment Unknown Other, Please specify	X						
(	S. Piping (Type) Mark all that apply) Suction: no valve at tank Suction: valve at tank Pressure Gravity Feed Has piping been repaired?							

Tank Identification Number	Tank No	Tank No	Tank No.	Tank No	Tank No/
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please specify  Hazardous Substance CERCLA name and/or, CAS number					
Mixture of Substances Please specify					
	TANKS OUT OF	USE, OR CHANGI	E IN SERVICE		
A. Estimated date last used  (mo./day/year)  ———————————————————————————————————	· · · · · · · · · · · · · · · · · · ·		·		
B. Estimate date tank closed  (mo./day/year)					
C. Tank was removed from ground					
D. Tank was closed in ground					
E. Tank filled with inert material  Describe					
F. Change in service					
2. Site Assessment Completed					
Evidence of a leak detected					

	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING
installation that is p		•	st of my belief and	knowledge.  Date
		installation that is provided in section	installation that is provided in section X is true to the best	installation that is provided in section X is true to the best of my belief and

P.O. Box 1513 Dudley, MA 01571-1513 (508) 943-1882

March 31, 1995

Juniper Hill Golf Attn: Dudley Darling 202 Brigham Street Northboro, MA 01532

Re: Juniper Hill Golf Course

202 Brigham Street Northboro, MA

Tested (2) 550 gallon gas Tanks

Dear Dudley:

Enclosed for your records please find the test results for the above listed location.

As you can see, the test results show that the Tanks and piping systems are tight in accordance with the MA 527 CMR 9.13 Regulations

Please let me know if you have any questions, or if you need any further information.

chast W Cook

Sincerely,

Michael Cook Technician

MC/bc

c: Fire Dept.

# Technatest

P.O. Box 1513 Dudley, MA 01571-1513 (508) 943-1882

Test No. : 950329

Test Date : March 29, 1995 Location : Juniper Hill Golf

202 Brigham Street

Northboro MA

### TEST RESULTS

PRODUCT	VOLUME (GAL)	WATER IN TANK (INCHES)	HIGH LEVEL LEAK RATE (GPH)	LOW LEVEL LEAK RATE (GPH)	SYSTEM/ ULLAGE	TANK
GAS-1	550	0."	1050 ULLAGE	TEST	PASS	PASS
GAS-2	550	0."	1050 ULLAGE	TEST	PASS	PASS

### PRODUCT LINE TEST RESULTS

POUNDS HELD PRODUCT DURATION CONCLUSION

N/A

### SUCTION PRODUCT LINE TEST RESULTS

GAS 1 -PASS GAS 2 -PASS



# Department of Public Safety - Office of the State Fire Marshal Notification for Storage Tanks Regulated Under 527 CMR 9.00

Motification for Storage ranks	negulated Und	37 527 CMN 9.00
Forward completed form, signed by local fire department, to: M. Office of the State Fire Marshal, 1010 Commonwealth Ave.	•	Fire Dept. Use Only  Date Received: 3/30/85
(Fire Department retains one copy of FP-290)		Fire Dept. ID#
☐ A. New Facility (see instructions, #1)   ☑ B. Amended	☐ C. Renewal .	Fire Dept. Sig.
No. of tanks at facility No. of continuation s		State Use Only
INSTRUCTIONS: Form FP-290 (Notification for Aboveground and Underground Storage Tai location containing underground or aboveground storage tanks regulated under 527 CMR 9.0 owned at this location, photocopy the following pages and staple continuation sheets to the focompleted in duplicate. Although the form may be photocopied, the facility owner or owner's copy separately; photocopied signatures are not sufficient. Both copies of the FP-290 are fire department, who will check all information and certify the forms. The fire departme 290 for its records, and the facility owner shall be responsible for forwarding the other of Fire Marshal at the address above. The local fire department will issue the permit portion registration is not complete until the FP-290 is received and checked by the Office of the Stathis form are to be answered. Incomplete forms will be returned.  1 "New Facility" means a tank or tanks located at a site where tanks have not been previously "Facility street address" must include both a street number and a street name. Post office be and will cause a registration to be returned. If geographic location of facility is not provided direction from closest intersection, e.g., (facility at 199 North Street is located) 400 yards a (intersection).	OD. If more than five tanks are orm. The FP-290 must be representative must sign each to be forwarded to the local int will retain one copy of the FP-copy to the Office of the State of the FP-290; however, are Fire Marshal. All questions on y located.	A. Facility Number  B. Date Entered  C. Clerk's Initials  D. Comments
General In	NFORMATION	
Notification Required  Fire Prevention Form FP-290 is to be used as Notification, Registration, and Permit for aboveground and underground storage tanks and tank facilities regulated under 527 Code of Massachusetts Regulations 9.00. No regulated aboveground or underground storage tank facility shall be installed, maintained, replaced, substantially modified or removed without a permit (FP- 290) issued by the head of the local fire department. The owner of any storage facility shall within seven working days notify the head of the local fire department and the State Fire Marshal of any change in the name, address, or telephone number of the owner or operator of a storage facility subject to regulation by Chapter 148, Mass. General Law and by 527 CMR 9.00.  Underground Storage Tanks  Each owner of an underground tank first put into operation on or after Jan. 1, 1991, shall, within thirty days after the tank is first put into operation, notify the Department of Public Safety (the department) of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, location, and uses of such tank, By no later than Jan. 31, 1991, each owner of an underground storage tank that was in operation at any time after Jan. 1, 1974, regardless of whether or not such tank was removed from beneath the surface of the ground at any time, shall notify the department of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, and location of the tank, and the type and quantity of substances stored in such tank, or which were stored in such tank before the tank ceased being in operation if the tank was removed from beneath the surface of the ground prior to the submittal of such notice to the department. Such notice shall also specify, to the extent known, the date the tank was removed from beneath the surface of installation, capacity, type, and location of the tank, and the type and quantity of substances stored in	Exception: (a) a farm or residential fuel for noncommercial purposes, on the premises where stored are Penalties: Any owner who knowing to a civil penalty not to exceed \$2 which false information is submitt Aboveground Storage Tanke 527 CMR 9.00 requires the regist following definition: a horizontal o capacity, that is intended for fixed used for the storage of Hazardou: Combustible Liquids.  Exception #1: Aboveground tanks 12.00 (Requirements for the Inst Excess of 10,000 Gallons) are no Exception #2: (a) a farm or reside motor fuel for noncommercial p consumptive use on the premises CMR 9.00.  Penalties: Any person who knowin Prevention Regulations shall, excethan one hundred dollars nor mor 10B, and 527 CMR 9.00)  Where to Notify? Two completed and the local fire department. One owner shall send a separate copy When to Notify? 1. Owners of stomust notify within thirty days.  Owners and Operators of Regucertifying that all leak detection.	Itank of 1,100 gallons or less capacity used for storing motor or (b) a tank used for storing heating oil for consumptive use a not required to be registered under 527 CMR 9.00. Italia to notify or submits false information shall be subject 5,000 for each tank for which notification is not given or for led. (MGL Chapter 148, section 38H, 527 CMR 9.00)  Italia of any aboveground storage tank which meets the or vertical tank, equal to or less than 10,000 gallons it installation without back fill above or below grade, and is substances, Hazardous Wastes, or Flammable or of more than 10,000 gallons capacity regulated by 520 CMR tallation of Tanks Containing Fluids Other Than Water in the required to be registered under 527 CMR 9.00. Initial tank of 1,100 gallons or less capacity used for storing purposes, or (b) a tank used for storing heating oil for swhere stored are not required to be registered under 527 may violates any rule or regulation made by the Board of Fire ept as otherwise provided, be punished by a fine of not less re than one thousand dollars. (MGL, Chapter 148, section in notification forms should be signed by both the tank owner acopy will be retained by the fire department, and the tank of the top of this page.  Inotification forms should be signed by both the tank owner acopy will be retained by the fire department, and the tank of the top of this page.
I. Ownership of Tank(s)	II. Lo	cation of Tank(s)
Owner Name (Corporation, Individual, Public Agency, or Other Entity)		hic location of tanks by degrees, minutes, and
Juniper Hill Golf Course, Inc.		, 36, 12 N Long. 85, 24, 17W
202 Brigham Street Street Address		The section (see instructions #2)  Coal 5 Converse Transport
	Facility Name or Company Site ider	Golf Course, Inc. ntiller, as applicable
Northboro MA 01532 City State Zip Code	202 Brigham S Street Address (P.O. Box not accept	
Worcester	Northboro	MA 01532
· · · · · · · · · · · · · · · · · · ·		
(508) 393-2444 04-2299518	<sub>City</sub> Worcester	State Zip Code

TYPE OF OWNER			IV. Indian Lands				
☐ Federal Government ☐ State Government ☐ Local Government ☐ Local Government ☐ (storage and (s		other trust land	s.		an Indian Reser	vation or on 🌂	
(storage and		Type 4	OF FACILITY				
Soloot the Appropriate Equility Departmen				7			•
Select the Appropriate Facility Description		, ,	iy)				
Gas Station Petroleum Distributor	Marir Railre			_ Truck _ Utilitie	ing/Transpo	ort	
Airport	· ·	ral - Milita	ary	-			
Aircraft Owner	Indus			Farm	J		•
Vehicle Dealership	Cont	ractor	<u> X</u>	Other	(explain) _	Golf Cours	e
VI. Co	NTACT F	PERSOI	N IN CHARG	E OF	TANKS		
Name: Dudley W. Darling	Address:				Phone Nu	ımber (include are	a code):
Job Title: Vice-President	202 Br	igham	Street		1	508) 393 <u>–</u> 3	•
** ***	North	oro,	MA 01532		Business:	(508) 393-	2444
	<u> </u>		. Responsi		<u> </u>		
		· · · · · · · · · · · · · · · · · · ·					
☐ I have met the finance	ciai responsi	ibility rec	juirements in a	ccordar	ice with 52	?7 CMH[9.00.	
Check all that apply:					<u> </u>		
☐ Self Insurance	□ Gua	Guarantee   State Fund					
☐ Commercial Insurance	□ Sur	Surety Bond   Trust Fund					
☐ Risk Retention Group	□ Lett	Letter of Credit					
ļ					ļ		
VIII.	ENVIRO	NMENT	AL SITE IN	FORM	LATION		
This information should be available from			<del></del>			ning departmen	t.
Tank site located in wellhead prote					•		•
Tank site located in surface drinking	•						
Tank site located within 100 feet of the site located within	-	ppiy pio			≹No □ Uni		
4. Tank site located within 300 feet of		0		_	_		•
					≬No □ Un		
Tank Identification Number	Tank N		Tank No2_				
Tank status	Tankin	<u> </u>		Tank	No	Tank No	Tank No
a. Tank mfr's serial # (if know	vn)   <u>H760</u>	)544	H761180		· · · · · ·		
b. Currently in U	lse x		X				
c. Temporarily Out of U	se						
d. Permanently Out of U	lse						
e. Aboveground storage tank (AST) Underground storage tank (US	or C. ACT	X1 UST	□ AST Xī UST	□ AS	ST 🗆 UST	☐ AST ☐ UST	LI AST UST
2. Date of Installation (mo./day/yr.)	08	3/81	08/81				
3. Estimated Total Capacity (gallons)	5	550	550				
P-290 (revised 6/94)							Page 2

S /rdentification Number (cont.)	Tank No1_	Tank No2_	Tank No	Tank No	Tank No
4. Substance Currently or Last Stored				,	
a. Gasoline	X	- X			
Motor vehicle or other use	X MV X other	X MV X other	□ MV □ other	☐ MV ☐ other	☐ MV ☐ other
b. Diesel					
Motor vehicle or other use	EMV ® other	☐ MV ☐ other	☐ MV ☐ other	☐ MV ☐ other	□ MV □ other
c. Kerosene					
d. Fuel Oil					
e. Waste Oil					
f. Other, Please specify		•			
Hazardous Substance (other than 4a thru 4e above)					
CERCLA name and/or					
CAS number					
Mixture of Substances				:	
Please specify					
	·	Market Control of the			
Material of Construction - Tank     (mark all that apply)					
Asphalt coated or bare steel	X	X			
Cathodically protected steel					
Epoxy coated steel					
Composite (steel with fiberglass)		· ·			<u> </u>
Fiberglass reinforced plastic (FRP)					
Concrete					
Other, Please specify		· ·			
6. Type of Construction-Tank (mark all that apply)		· · · · · · · · · · · · · · · · · · ·			
- Lined interior					· ·
, Double walled					
Single walled	X	X			
Polyethylene tank jacket					
Excavation liner					
Unknown					
Other, please specify					
Has tank been repaired?	☐ Yes Æ No	☐ Yes Zo No	□ Yes □ No	☐ Yes ☐ No	□ Yes □ No
Date					
		j	1	ı	)

...

Tank Identification Number (cont.)	Tank No. 1	Tank No. $\frac{2}{}$	Tank No	Tank No	Tank No No
7. Material of Construction - Piping (mark all that apply)					
Bare steel					
Galvanized steel	X	X			
Fiberglass reinforced plastic					
Flexible					
Copper					
Cathodically protected					
Secondary containment					
Unknown					
Other, please specify				-	
Type of construction - Piping     (mark all that apply)					
Double walled					
Single walled		X			
Suction: Check valve at tank only					
Suction: Check valve at dispenser only	X	X			
Pressure					
Gravity feed					
Other, please specify	, ,				
Has piping been repaired?	□ Yes □ No	□ Yes □ No	☐ Yes ☐ No	□ Yes □ No .	☐ Yes ☐ No
Date				-	
	TANKS/PIPI	NG OUT OF	Use		
Tank/Piping closed or removed (mark all that apply)	,				
A. Estimated date last used (mo./day/yr.)					
B. Estimated date of removal (mo./day/yr.)					
C. Tank was removed from ground					
D. Tank was not removed from ground					
Tank was filled with inert material	·-	·			
Describe:					
E. Piping was removed from ground		·			
F. Piping was not removed from ground					
G. Other, please specify					
			i		į

	Fank Identification Number (cont.)	Tank	No. <u>1</u>	, Tank	No2_	Tank	No	Tank	No	Tank	No.
1	2. Tank closed in accordance with 527 CMR 9.00		s □ No		s □ No		s 🗆 No			1	
	A. Evidence of leak detected		s 🗆 No	1	s 🗆 No	:	s 🗆 No		s □ No	1	s 🗆 No
	B. Mass. DEP notified	1	s □ No	:	s 🗇 No		s 🗆 No	1	s $\square$ No		s ⊡ No
	1. Mass. DEP tracking number				:						5 UNU
	Agency or company performing assessment										
	Х	L CE	RTIFIC	ATION	OF CC	ARDILL	MOE				
	I. Installation				<del></del>	JIIIP LIA	ANCE	T	· · · · · · · · · · · · · · · · · · ·	T	
	A. Installer certified by tank and piping manufacturers		x	X							
	B. Installer certified or licensed by the implementing agency		Х								
	C. Installation inspected by a registered engineer										
	D. Installation inspected and approved by the implementing agency							71			
	E. Manufacturers' installation checklists have been completed										
	F. Another method allowed by 527 CMR 9.00. Please specify										
2	Tank Leak Detection (mark all that apply)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
A	. Double-wall tank - Interstitial monitoring										
E	Approved in-tank monitor			Ħ							
C	Continuous vapor monitoring in soil					同				H	
E	. Monthly vapor monitoring in soil			同				$\vdash \Box \mid$		$\exists$	
E	. Inventory record-keeping and tank testing	x		x		H		同		   	
F	Other method allowed by 527 CMR 9.00. Please specify	<u></u>									
3.	Piping Leak Detection (mark all that apply)									·	
A	A. Pressurized										
	Interstitial space monitor		   								
•	Automatic flow restrictor*				님				H		
	Automatic shut-off device*		H				닐		HI		
	Continuous alarm*  * Also requires annual tank tightness test or monthly vapor monitoring of soil.										

	<u>,</u>		<del></del>	T		
Tank Identification Number (cont.)	Tank No1_	Tank No. 2	Tank No	Tank No	Tank No	
B. Suction: Check valve at tank only     Interstitial space monitor     C. Suction: Check valve at dispenser only     None required	x	X				
D. Tightness tested	<b>X</b> 1yr. □ 3 yr.	🔀 1yr. 🗆 3 yr.	□ 1yr. □ 3 yr.	□ tyr. □ 3 yr.	. □ 1yr. □ 3 yr.	
E. Other method allowed by 527 CMR 9.00. Please specify						
4. Spill containment and overfill protection						
A. Spill containment device installed     B. Overfill prevention device installed	x x	x x				
Daily Inventory Control     A. Manual gauging by stick and records reconciliation	X X	X X				
B. Mechanical tank gauge						
C. Automatic gauging system						
		ead and sign after co				
NOTE: Both the copy being sent to the State Fire Marsh copied signature will not be accepted on either documer	al's Office and the cont.	ppy retained by the k	ocal fire department	must be signed sep	arately. A photo-	
I declare under penalty of perjury that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.						
Name and official title of owner or owner's authorized representative (Print)  DUDLEY W. DARLING- VICE PRESIDENT	Signature:	g w.O	only		Date: 3/30/95	

# Technatest

P.O. Box 1513, Dudley, MA 01571-1513 (800) 858-9128 / Fax (508) 943-1882

MAY 1 3 1996

Date: April 30, 1996

Test Site: Juniper Hill C.C.

202 Brigham St. Northboro, MA



To: Juniper Hill C.C. Attn Dudley Darling 202 Brigham St. Northboro, MA 01532

Dear Dudley,

Attached for your records are the results for the above listed location. As you can see, the test results show that the tanks and piping system is tight in accordance with MA 527 CMR 9.13 regulations

Please let me know if you have any questions, or need further information.

Sincerely

Michael Cook

Technician

CC: Fire Dept.



SECRETARY

The Commonwealth of Massachusetts
Department of Public Safety
Division of the State Fire Marshal's Office
Underground Storage Tank Regulatory Compliance Unit

One Ashburton Place - Room 1310

Boston, Massachusetts 02108-1618

STEPHEN D. COAN STATE FIRE MARSHAL

THOMAS P. LEONARD DEPUTY STATE FIRE MARSHAL

TELEPHONE (617) 727-3200 FACSIMILE (617) 727-4390

550 GALLON
14x"x 72" NEEDS CHART

### NOTICE OF VIOLATION

Fire Prevention Statutes and/or Regulations M.G.L. c. 148 and/or 527 C.M.R.

Facility Name: VVI) GL III. GEOSCIF (UN	-FID#: 17/	05 F Case#:	
Facility Address: 202 Brich Am ST.	Telephone #:		
City/Town: NORTH BOILO.			
Att: DOLEY VARLING			
		* * * * * * * * * * * * * * * * * * *	
Dear Owner/Operator, On, 10/26/9/, , UST compliance officer	1		,
On, 10 20 4/, USI compliance officer	1 6 1 41 6-11-	c · · · · · · · · · · · · · · · · · · ·	the charge
from the State Fire Marshal's office inspected your site/facility an	a found the folio	owing violation(s) of	the above
referenced laws and regulations:			
•		Correct by date:	Corrected
1. NEODE TO DO INVENTURY CONTROL		11/20/96	
2.			
3.			
4		National Control of the Control of t	
5			
When all the listed violation(s) have been corrected place a check in half with the addressed side showing, staple or tape closed and You must correct the violations listed above by the date agreed permit to maintain a flammables storage facility or more serious or	mail. to. Failure to do	so may result in the	
Owner/Operator Signature:  Signature, Compliance Officer:	Juli:	Date:/_/	20/9/1
	resource to	•	
cc: Local Fire Dept.			Rev. 6/14/96



P.O. Box 1513 Dudley, MA 01571-1513 (508) 943-1882

TEST NO : 970400 TEST DATE: 4/30/97

LOCATION: Juniper Hill Golf Course

202 Brigham Street Northboro, MA

#### TEST- RESULTS

PRODUCT	<u>VOLUME</u>	<u>WATER</u> (INCHES)	<u>LEAK RATE</u>	TANK ULLAGE	<u>SYSTEM</u>
Gasoline-1	550	0.00	0.010	PASS	PASS
Gasoline-2	550	0.00	0.024	PASS	PASS

#### LINE TEST RESULTS

### Product Lines Tested . All Lines Tight.

COMMENTS:

Systems Passed Precision Tests.

### Technatest One Francis Drive, Dudley, MA 01571 (800) 858-9128 / Fax (508) 943-1882

TEST DATE: 6/2/98

LOCATION: Juniper Hills Golf Course

202 Brigham Street Northboro, MA

#### TEST RESULTS

PRODUCT	<u>VOLUME</u>	<u>WATER</u> (INCHES)	<u>LEAK RATE</u>	<u>TANK</u>	<u>ULLAGE</u>
Regular-1	550	0.00	0.008	PASS	PASS
Regular-2	550	0.00	0.009	PASS	PASS

#### LINE TEST RESULTS

<u>Product</u>	Pounds Held	<u>Duration</u>	Conclusion
Regular-1	10 psi	30 Mins	Pass
Regular-2	10 psi	30 Mins	Pass

**COMMENTS: PASS** 

# The Commonwealth or Massachusetts



DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION 1010 COMMONWEALTH AVENUE, BOSTON

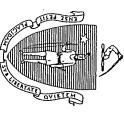
Rand, Chairman - Board of Selectmen

### APPLICATION FOR LICENSE

For the lawful use of the herein described building ... or other structure...., application is hereby made in accordance with the provisions of Chapter 148 of the General Laws, for a license to use the land on which such building.... or other

	structure is/are or is/are to be situated, and only to such extent as shown on plot plan which is filed with and made a part of this application.
	Location of land 202 BRIGHAM ST. Nearest cross street. COLLINS RD  Owner of land TUNIPER HILL GOLF COURSAddress 202 BRIGHAM ST.  Number of buildings or other structures to which this application applies.  Occupancy or use of such buildings. PUBLIC GOLF COURSE  Total capacity of tanks in gallons:—Aboveground 1000 GAL, Underground  Kind of fluid to be stored in tanks. GA SOLINE
C	Approved Disapproved MNIMOUT 1998 Only Out Only Asignature of Applicant) DUDLEY W. DARCING VICE PRES  (Head of Fire Dept.)  (Address)
	The Commonwealth of Massachusetts
-12	DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION
	1010 Commonwealth Avenue. Boston November 9, 19 98
OF THE PROPERTY OF THE PROPERT	1010 COMMONWEALTH AVENUE, BOSTON
Service day	In accordance with the provisions of Chapter 148 of the General Laws, a license is hereby granted to use the land herein described for the lawful use of the building or other structure which is/are or is/are to be situated thereon, and as described on the plot plan filed with the application for this license.
Participation of the state of t	In accordance with the provisions of Chapter 148 of the General Laws, a license is hereby granted to use the land herein described for the lawful use of the building or other structure which is/are or is/are to be situated thereon, and as described on the plot plan filed with the application for this license.  Location of land 202 Brigham Street Nearest cross street Collins Road Northborough, MA
Service of	In accordance with the provisions of Chapter 148 of the General Laws, a license is hereby granted to use the land herein described for the lawful use of the building or other structure which is/are or is/are to be situated thereon, and as described on the plot plan filed with the application for this license.  Location of land 202 Brigham Street Nearest cross street Collins Road  Owner of land Juniper Hill Silet Columber) Inc. Address 202 Brigham Street, Northborough, MA
S. F. C.	In accordance with the provisions of Chapter 148 of the General Laws, a license is hereby granted to use the land herein described for the lawful use of the building or other structure which is/are or is/are to be situated thereon, and as described on the plot plan filed with the application for this license.  Location of land 202 Brigham Street Number Inc. Nearest cross street Collins Road  Owner of land Juniper Hill Street Number Inc. Address 202 Brigham Street, Northborough, MA  Number of buildings or other structures to which this license applies One
	In accordance with the provisions of Chapter 148 of the General Laws, a license is hereby granted to use the land herein described for the lawful use of the building or other structure which is/are or is/are to be situated thereon, and as described on the plot plan filed with the application for this license.  Location of land 202 Brigham Street Nearest cross street Collins Road  Owner of land Juniper Hill Siret Columber Inc. Address 202 Brigham Street, Northborough, MA  Number of buildings or other structures to which this license applies  Occupancy or use of such buildings Public Colf Course  Total capacity of tanks in gallons Aboveground 1000 gallons Underground
Participation of the state of t	In accordance with the provisions of Chapter 148 of the General Laws, a license is hereby granted to use the land herein described for the lawful use of the building or other structure which is/are or is/are to be situated thereon, and as described on the plot plan filed with the application for this license.  Location of land 202 Brigham Street Nearest cross street Collins Road  Owner of land Uniper Hill Site Competer Inc. Address 202 Brigham Street, Northborough, MA  Number of buildings or other structures to which this license applies One  Occupancy or use of such buildings Public Golf Course  Total capacity of tanks in gallons Aboveground 1000 gallons Underground

THIS LICENSE OR A PHOTOSTATIC OR CERTIFIED COPY THEREOF MUST BE CONSPICUOUSLY POSTED IN A PROTECTED PLACE ON THE LAND FOR WHICH IT IS GRANTED



The Commonwealth of Massachusetts

Executive Office of Public Safety

Department of Fire Services-Office of the Plate Fire Abarchal



DIG SAFE NUMBER



C. 82 S.40 M.G.L. APPLICATION FOR PERMIT START DATE:

a accordance with the provisions of Chapter 148, M.G.L. as provided in Section 11-12 application is hereby made by:
Tame: (JOVON, + SOMS CONS) CO.
(Full name of person, firm or corporation)
iditiess: 847 W. BOYLSTONST WORCES TER 0160(
(Street or P.O. Box) (City/Town) (State) (Zip Code)
or Permission to: +NSTACL NEW DOUBLEWALL GASOLING TANK
tate clearly the purpose for which the permit is requested:
+NSTALL 1000 SAL JASULING TANK
GOLF COURSE 202 BRIGHAM
ame of competent operator if applicable: Certificate of Competency #: 027257
Nate Issued {\rangle} Date Rejected {\rangle}: \frac{11 \tag{8} \tag{8}}{15 \tag{8}} \tag{8y: \left(\frac{1}{20}\frac{1}{2}\right)}
Fee Paid (Fee Due { } A
pplicant Signature: 164 P Dova Fire Department Number: 1990035

### The Commonwealth of Massachusetts



\$30.00

Signature and Title of Official Granting Permit:

Fee Paid: \_

#### DEPARTMENT OF PUBLIC SAFETY—DIVISION OF FIRE PREVENTION 1010 COMMONWEALTH AVENUE, BOSTON

November 9,

(City or Town)

(Date)

### LICENSE

In accordance with the provisions of Chapter 148 of the General Laws, a license is herein described for the lawful use of the building or other structure which is/are or and as described on the plot plan filed with the application for this license.	
Location of land 202 Brigham Street Nearest cross street Coll Owner of land Juniper Hill Street Course, Inc. Address 202 Brigham Street	, Northborough, MA
Number of buildings or other structures to which this license applies One Occupancy or use of such buildings Public Golf Course	***************************************
Total capacity of tanks in gallons Aboveground 1000 gallons Underground	
Restrictions—If any: Must comply with Chapter 527, CMR 9.0 and all applicable rethe Town of Northborough.	DN N
THIS LICENSE OR A PHOTOSTATIC OR CERTIFIED COPY THEREOF MUST POSTED IN A PROTECTED PLACE ON THE LAND FOR WHICH IT	BE CONSPICUOUSLY
	-
The Commonwealth of Massachusetts  Executive Office of Public Safety	DELINITION OF STREET
Department of Fire Services-Office of the State Fire Man  P.O. Box 1025, State Road, Stow, M.A. 01775	
9- 9. 300x 1025, State Noaa, Stow, SN 34. 01115	
Date: 11/17/98 PERMIT C. 82 S.40 M.G.L.	DIG SAFE NUMBER  START DATE:
In accordance with the provisions of Chapter 148, M.G.L. as provided in Section11At	nis permit is granted to:
Name: Govoni & Sons Construction Co.  (Full name of person, firm or corporation)	
For Permission to: Install 1 1000 gallon above ground storage State clearly the purpose for which the permit is granted: Gasoline	tank
Restrictions: Per 527 CMR 9.00 and local code and regulations	•
Location: 202 Brigham St ( Juniper WORTHBERGIGIF PRE SEPARTMENT	

⇒(This Permit Must be Co. 288): 383:153765445 (598): 393-1538 (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (598): (5

маке аррисацоп то тосат иле рерагилент. Fire Department retains original application and issues duplicate as Permit.



### Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

### **APPLICATION** and **PERMIT**

Fee:

🦸 Cj. 2011 1537, FAX (508) **393-1539** 

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Tank Owner	Course
Tank Owner Name (please print) JUNIPER HIUS	COLF X
Address 202 BRIGHAM ROAD	
Removal Contractor	Contamination Assessment
Company Name Govous + Sous Coust. Co, INC  Print  Address 847 West Boycston St. Warestore,  Print  MA. Olico  Signature (if applying for permit)  I FCI* Certified  Other	Co. or Individual DUCHARMEN WHOSE Company  Address 1092 MAIN ST. BOLTOU, HA.  Print 01740  Signature (if applying for permit)  IFCI* Certified   LSP # Other
Tank Information	Northboro
Tank Location 202 BRIGHAM RUAD  Steet Address  Tank Capacity (gallons) 1-560 64000	_Substance Last Stored GABOLINE
Tank Dimensions (diameter x length)	
Remarks:	
Disposal Information  Firm transporting waste _ CYN ENVIRONMENTAL CO_	_State Lic. # MAD の823037777
i	_E.P.A. #
Approved tank disposal yard William Reisven Co.  Type of inert gasTank yard address	
City or Town Northburush	FDID#27215Permit#R9801035
Date of issue 17/11/91	Dig Safe Toll Free Tel. Number - 800-322-4844
Dig sale applications	Desauls
Signature / Title of Officer granting permit FF/En1	NORTHBURUUGH FIRE DEPARTMENT
After removal(s) ("Consumptive Use" fuel oil tanks exempted) send f Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02	Horm FP-290H signed by Local English to OST Regulatory Horn FP-290H signed by Local English to OST Regulatory Horn FP-290H signed by Local English to OST Regulatory

\*International Fire Code Institute



Fire Department retains original application and issues duplicate as Permit.

### Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

### **APPLICATION** and **PERMIT**

Fee:

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Tank Owner Name (please print) JUNIPER HIUS	Course SOLF X
Address 202 BRIGHAM ROAD	
Removal Contractor:	Contamination Assessment
Company Name Govern't Sous Court. Co. INC  Address 847 West Boycston St. War estek  Print MA. Olicas  Signature (if applying for permit)  IFCI* Certified Other  Tank Information  Tank Location 202 BRIGHAM RUAD  Sleet Address  Tank Capacity (gallons) 1 - 550 G MUON  Tank Dimensions (diameter x length)  Remarks:	_Substance Last Stored
Disposal Information	
Firm transporting waste CYN ENVIRONMENTAL CO.	State Lic. #
Hazardous waste manifest#	E.P.A. #
Approved tank disposal yard William Reisber Co.  33 ELMST. CLINTON  Type of inert gas Tank yard address	
Approvals  City or Town	FDID#Permit#Permit#
Date of issue	Date of expiration
Dig safe approval number: 998510489 Signature / Title of Officer granting permit	Dig Safe Toll Free Tel. Number - 800-322-4844

After removal(s) ("Consumptive Use" fuel oil tanks exempted) send Form FP-290R signed by Local Fire Dept to UST Regulatory
Compliance Unit. One Ashburton Place, Room 1310, Boston, MA 02108-1618. Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618. Time 399-1537 FAM (508) 393-1539

\*International Fire Code Institute

TANK in very good shape, no holes IN TANICS. Ground Clear NO CONTAMination posed. Pictures TAller w/ Comp. Camera, Granted permiss. JBD (2/18/4)



Make application to local Fire Department.

Fire Department retains original application and issues duplicate as Permit.

### Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

### **APPLICATION** and **PERMIT**

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

of M.G.L. Chapter 146, Section 30A, 527 CMA 9.00, ap	plication is flereby made by.
Tank Owner	Course
Tank Owner Name (please print) JUNIPER HIUS	Signature (if applying for permit)
Address 202 BRIGHAM ROAD	NORTHBORD MA Slate Zip
	Confamination Assessment
Company Name Govous + Sous Coust. Co, INC	Co. or Individual DUCHARMEL WHORE Company
Address 847 West Boyeston ST. Worlestor,	Co. or Individual DUCHARME+ WHOLE COMPANY Print  Address 1092 MAIN ST. BOLTOU HA.
Signature (if applying for permit)	Signature (if applying for permit)
☐ IFCI* Certified Other	☐ IFCI* Certified ☐ LSP # Other
Tank Information	. 4
Tank Location 202 BRIGHAM RUAD  Steet Address  Tank Capacity (gallons) 1-550 640000	MORTHBORD City
Tank Capacity (gallons)	_Substance Last Stored GASOLINE
Tank Dimensions (diameter x length)	
Remarks:	
Disposal Information	MAD - 222 - 2727
Firm transporting waste CYN ENVIRONMENTAL CO.	State Lic. #MAD 0 8 2 30 3 11 11
Hazardous waste manifest#	E.P.A. #
Approved tank disposal yard WILLIAM Reisven Co.	Tank yard #
Type of inert gasTank yard address	
Approvals	2050112/
City or Town	FDID#Permit# <u>129807036</u>
Date of issue	Date of expiration
Dig safe approval number: 998510489	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit	NORTHBOROUGH FIRE DEPARTMENT

After removal(s) ("Consumptive Use" fuel oil tapks exempted) send Form FP-290R signed by Local Fite Dept to UST Regulatory Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618.

\*International Fire Code Institute

ווומתב מטיווים וויים ויים וויים ביים וויים ביים וויים ביים וויים ו Fire Department retains original application and issues duplicate as Permit.



### Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

### **APPLICATION** and **PERMIT**

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions

f M.G.L. Chapter 148, Section 38A, 527 CMH 9.00, ap	plication is hereby made by.
Fank Owner	Course
Tank Owner Name (please print) JUNIPER HILLS	Signature (if applying for permit)
Address 202 BRIGHAM ROAD	NORTHBORD · MA  City State Zip
Removal Contractor.	Contamination Assessment
Company Name Govon's Sous Coust. Co, INC	Co. or Individual DUCHARME+ WHEEK Company  Address 1092 MAIN ST. BOLTON HA.
Address 847 West Boylston ST. Wallester, Print MA. 01606	Address 1092 MAIN ST. BOLTOU, HA.
Signature (if applying for permit)  [Mald: Jwini)	Signature (if applying for permit)
☐ IFCI* Certified Other	☐ IFCI* Certified ☐ LSP # Other
ank Information	
Tank Location 202 BRIGHAM RUAD	NORTHBORD
Sleet Address  Tank Canacity (gallons) / - 550 GAWON	Northboro  City  Substance Last Stored
Tank Dimensions (diameter x length)	· · · · · ·
Remarks:	
Disposal Information	
Firm transporting waste <u>CYN ENVIRONMENTAL CO</u>	State Lin # MAD 082303777
	·
	E.P.A. #
Approved tank disposal yard WILLIAM Reisven Co.  33 ELMST. CLINTON	Tank yard #
Type of inert gasTank yard address	
Approvals	
Date of issue 12/18/98	Date of expiration
Dig safe approval number: 998510489	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit FF/EMT	J Perent MONTHODOUGH FIDE DEPAR
Olgitatalo, Titto of Oliver Stationary	11 11 11 11 11 11 11 11 11 11 11

After removal(s) ("Consumptive Use" fuel oil tanks exempted) send Form FP-290R signed by Local Fire Dept. to UST Regulatory

Compliance Unit. One Ashburton Place. Boom 1310, Boston, MA 02108-1618. Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618.

\*International Fire Code Institute

Fee:

TANK DATA	TANK REMOVED FROM
Gallons 550 Previous Contents GASOUNE	OD BRIGHAM AD. (No. and Street)
Diameter 3' Length 5	(City or Town)
Date Received 18 DEC98	
Serial # (if available)	Fire Department Permit #
Tank I.D. # (Form FP-290)	
Owner/Operator to mail revised copy of Notificat Office of the State Fire Marshal, P.O. Box 1025 St	ion Form (FP290, or FP290R) to : UST Compliance,
	•
TANK DATA	TANK REMOVED FROM
Gallons 550	202 BRIGHAM PA
Previous Contents GASOLINE	No. and Street)
Diameter 3' Length 5'	(City or Town)
Date Received 18 DEL99	•
Serial # (if available)	Fire Department Permit #
Tank I.D. # (Form FP-290)	

Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to: UST Compliance, Office of the State Fire Marshal, P.O. Box 1025 State Road, Stow, MA 01775.



EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

# Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK



RECEIFT OF BIOLOGY	WM. Rotsvol
Form FP 291	CHUON MA.
NAME AND ADDRESS OF APPROVED TANK YARD	Chi Notes
- H	Ledger 502 CMR 3.03 (4) Number: 98-398
APPROVED TANK YARD NO	Ledger 502 Own Color (1)
Laggifunder penalty of law I have personally examined the undergree	Massachusetts Fire Prevention Regulation 502
partnership	dismantling yards. A valid permit was issued by LOCAL Head of Fire Department.
FDID#	zed representative:
Name and official title of approved and services and services and official title of approved and services are services and services are services and services are services and services and services are services are services and services are services and services are services and services are services are services are services and services are services	MANAGE DATE SIGNED
SIGNATURE SCHOOL	TITLE 2 2 S pursuant to 502 CMR 3.00.
This signed receipt of disposal must be returned to the local head of	TITLE  The fire department FDID# 2 7 1 2 5 pursuant to 502 CMR 3.00.
EACH TANK MUST HAVE A RECEIPT OF DISPOSAL	
EAGILIANIS	
Commonwe Department of Fire Service RECEIPT OF DISPOSAL OF	ealth of Massachusetts es - Office of the State Fire Marshal of UNDERGROUND STEEL STORAGE TANK  WM - Less Swill
	CLINIAN MA
NAME AND ADDRESS OF APPROVED TANK YARD	
APPROVED TANK YARD NO. OllTank Yard	Ledger 502 CMR 3.03 (4) Number: 48 - 397
	ated storage tank delivered to this "approved tank yard" by firm, corporation or
certify under penalty of law I have personally examined the undergree partnership and	accepted same in conformance with Massachusetts Fire Prevention Regulation 502
to transport this talk to the	dismantling yards. A valid permit was issued by LOCAL Head of Fire Department. his yard.
Name and official title of approved tank yard owner or owners authori	zed representative:
withing but scale	TITLE DATE SIGNED
SIGNATURE  This signed receipt of disposal must be returned to the local head o	f the fire department FDID# 2 7 / 3 5 pursuant to 502 CMR 3.00.
This signed receipt of disposal mast be received	



To Maintain an Existing/New Storage Tank Facility Regulated under 527 CMR 9.00						
To: Head of Fire Department	City, town or district: Northboro	Date: <u>2/10/99</u>				
Application is hereby made for a	permit to maintain an existing/new storage tank facility a					
Location of property: 202	2 Brigham St.	,				
Owner of property:Jur	Street address niper Hill Golf Course, Inc.					
	Full name of person, firm or corporation					
Number of storage tanks:	1 aboveground underground	SUPIRS				
Signature of owner or authorize	ed representative: Duly W. Oal	5 10/14/ 2004				
Fee paid: \$ <u>25.00</u> (M.G.	L. Chapter 148, section 10A) W. Darling Vi	ce President				
	(Fire Department's copy - To be filed with FP-290, Part 1)	•				
_						

The Commonwealth of Massachusetts Department of Public Syfety - Office of the State Fire Marshal

	A	PLICATION	FOR PER	RMIT		
To Maintain an	Existing/New	Storage Tan	k Facility	Regulated	under 527	CMR 9.00

5, 1014 9 14 14 14 14 14 14 14 14 14 14 14 14 14					
To: Head of Fire Department City, town or district: Northboro Date: 2/10/99					
Application is hereby made for a permit to maintain an existing/new storage tank facility as required by 527 CMR 9.00:					
Location of property: 202 Brigham St.					
Owner of property:Juniper Hill Golf Course, Inc.					
Full name of person, firm or corporation					
Number of storage tanks: 1 aboveground underground					
Signature of owner or authorized representative:					
Fee paid: \$ 25.00 (M.G.L. Chapter 148, section 10A) W. Darling Vice President					
(Fire Department's copy – To be filed with FP-290, Part 1)					

The Commonwealth of Massachusetts Department of Public Safetry - Office of the State Fire Marshal

### PERMIT

### To Maintain an Existing/New Storage Tank Facility

for	Storage Tanks Regulated under	r 527 CMR 9.00
In accordance with the prois granted to:	visions of 527 CMR 9.00 this permit to ma	intain an existing/new storage tank facility
Location of property: 20	02 Brigham Street Northborough, MA	01532
Owner of property:	uniper Hill Golf Course, Inc.	
	Full name of person, firm o	of comporation
Number of storage tanks:	1 abovegroundund	
Facility to be maintained in  To store above groun	accordance with the restrictions described nd, one one thousand gallon gasolir	d below: ne tank. Not to exceed one
thousand gallons. M	Must conform to 527 CMR 9, Chapter	48/148. Northborough Code of
regulations.		NORTHBOROUGH FIRE DEPARTMENT
Fee paid: \$(/\( \)	M.G.L. Chapter 148, section 10A)	11 PIERCE STREET NORTHBOROUGH, MA 01532 (508) 393-1537, FAX (508) 393-1539
This permit will expire02/	Oata	a of Head & Fire Department or appointed designee

(Owner's copy - To be posted at the storage facility)

P.290 Part 3 (revised 6/94)



Notification for Storage Tanks Regulated Under 527 CMR 9.00

11 PIERCE STRE	
Forward completed form, signed by local fire department with the Commence of the State Fire Marshal, 1010 Commence of the State Fire Marshall fire of the State Fire	は MAC 中心 Fire Dept. Use Only は MAC
(Fire Department retains one copy of FP-290)	Fire Dept. ID# 29215
☐ A. New Facility (see instructions, #1) ☐ B. Amended	C. Renewal Fire Dept. Sig. Activity The Management of the Company
No. of tanks at facility No. of continuation s	
INSTRUCTIONS: Form FP-290 (Notification for Aboveground and Underground Storage Tan location containing underground or aboveground storage tanks regulated under 527 CMR 9.0 owned at this location, photocopy the following pages and staple continuation sheets to the force completed in duplicate. Although the form may be photocopied, the facility owner or owner's a copy separately; photocopied signatures are not sufficient. Both copies of the FP-290 are fire department, who will check all information and certify the forms. The fire department 290 for its records, and the facility owner shall be responsible for forwarding the other of Fire Marshal at the address above. The local fire department will issue the permit portion or registration is not complete until the FP-290 is received and checked by the Office of the Stat this form are to be answered. Incomplete forms will be returned.  1 "New Facility" means a tank or tanks located at a site where tanks have not been previously "Facility street address" must include both a street number and a street name. Post office be and will cause a registration to be returned. If geographic location of facility is not provided, direction from closest intersection, e.g., (facility at 199 North Street is located) 400 yards as (intersection).	O. If more than live tanks are rem. The FP-290 must be representative must sign each to be forwarded to the local at will retain one copy of the FP-ppy to the Office of the State of the FP-290; however, re Fire Marshal. All questions on located.  Ox numbers are not acceptable, please indicate distance and outheast of Commons Road.
GENERAL IN	IFORMATION
Notification Required Fire Prevention Form FP-290 is to be used as Notification, Registration, and Permit for aboveground and underground storage tanks and tank facilities regulated under 527 Code of Massachusetts Regulations 9.00. No regulated aboveground or underground storage tank facility shall be installed, maintained, replaced, substantially modified or removed without a permit (FP-290) issued by the head of the local fire department. The owner of any storage facility shall within seven working days notify the head of the local fire department and the State Fire Marshal of any change in the name, address, or telephone number of the owner or operator of a storage facility subject to regulation by Chapter 148, Mass. General Law and by 527 CMR 9.00.  Underground Storage Tanks Each owner of an underground tank first put into operation on or after Jan. 1, 1991, shall, within thirty days after the tank is first put into operation, notify the Department of Public Safety (the department) of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, location, and uses of such tank, By no later than Jan. 31, 1991, each owner of an underground storage tank that was in operation at any time after Jan. 1, 1974, regardless of whether or not such tank was removed from beneath the surface of the ground at any time, shall notify the department of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, and location of the tank, and the type and quantity of substances stored in such tank, specifying, to the extent known, any information relating to whether where stored in such tank, before the tank ceased being in operation if the tank was removed from beneath the surface of the ground prior to the submittal of such notice to the department. The operator of any tank that has no owner or whose owner cannot be definitely ascertained, shall notify the department of the existence of such tank, specify	Exception: (a) a farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes, or (b) a tank used for storing heating oil for consumptive use on the premises where stored are not required to be registered under 627 CMR 9.00.  Penaltias: Any owner who knowingly fails to notify or submits faise information shall be subject to a civil penalty not to exceed \$25,000 for each tank for which notification is not given or for which false information is submitted. (MGL Chapter 148, section 38H, 527 CMR 9.00)  Aboveground Storage Tanks 527 CMR 9.00 requires the registration of any aboveground storage tank which meets the following definition: a horizontal or vertical tank, equal to or less than 10,000 gallons capacity, that is intended for fixed installation without back fill above or below grade, and is used for the storage of Hazardous Substances, Hazardous Wastes, or Flammable or Combustible Liquids.  Exception#1: Aboveground tanks of more than 10,000 gallons capacity regulated by 520 CMR 12.00 (Requirements for the installation of Tanks Containing Fluids Other Than Water in Excess of 10,000 gallons) are not required to be registered under 527 CMR 9.00.  Exception #2: (a) a farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes, or (b) a tank used for storing heating oil for consumptive use on the premises where stored are not required to be registered under 527 CMR 9.00.  Penaltias: Any person who knowingly violates any rule or regulation made by the Board of Fire Prevention Regulations shall, except as otherwise provided, be punished by a line of not less than one hundred dollars nor more than one thousand dollars. (MGL, Chapter 148, section 10B, and 527 CMR 9.00)  Where to Notify? Two completed notification forms should be signed by both the tank owner shall send a separate copy to the address at the top of this page.  When to Notify? 1. Owners of storage tanks in use or that have been taken out of operati
I. OWNERSHIP OF TANK(S)	II. Location of Tank(s)
Owner Name (Corporation, Individual, Public Agency, or Other Entity)	If known, give the geographic location of tanks by degrees, minutes, and seconds. Example: Lat. 42, 36, 12 N Long. 85, 24, 17W
_Juniper Hill Golf Course, Inc	Latitude 42,19,40N Longitude 71,37,50W
202 Brigham St. Street Address	1/4 mi south of Collins Rd intersection Distance and direction from closest intersection (see Instructions #2)  Juniper Hill Golf Course, Inc.
Northboro MA 01532 City State DipCode Worcester	Facility Name or Company Site Identifier, as applicable  202 Brigham St.  Street Address (F.O. Box not acceptable - see instructions #2)  Northboro MA 01532  City State Zip Code
(508) 393-2444 04-2299518  Phone Number (Include Area Code) Owner's Employer Federal ID #	Cly State Ziptobe Worcester County .

State Government  Local Government  (storage and two storage are storage and two storage are storage and two storage and two storage and two storage and two storage are storage and two storage and two storage are storage and two storage and two storage are storage are storage are storage and two storage are stora	other trust la	nds.	and within an Indian Re	
	V. Type of Facili	ΤΥ		
Select the Appropriate Facility Description  Gas Station Petroleum Distributor Airport Aircraft Owner Vehicle Dealership	Marina Raliroad Federal - Military Industrial	Utilitie Resid Farm	ential	,
	ContractorX		(explain) <u>Golf Cou</u>	rse
	NTACT PERSON IN CHAR	ge of	TANKS	
Name:Dudley W. Darling Job Title:Vice President	Address: 202 Brigham St.		Phone Number (include Home: (508) 393-	3307
	Northboro, MA 01532		Business: (508) 393	-2444
	II. FINANCIAL RESPONS			
🔀 I have met the financi	al responsibility requirements in	accordanc	ce with 527 CMR 9.00.	· .
Check all that apply:	-	T		
☐ Self Insurance  ☑ Commercial Insurance ☐ Risk Retention Group	☐ Guarantee ☐ Surety Bond ☐ Letter of Credit	     	☐ State Fund ☐ Trust Fund ☐ Other Method Al	lowed - Specify
This information should be switched	ENVIRONMENTAL SITE IN	IFORMA	TION	
This information should be available from to 1. Tank site located in wellhead protect 2. Tank site located in surface drinking	ction area	⊽ Yes □	No 🗆 Unknown	ent.
3. Tank site located within 100 feet of	a wetland	□ Yes 🏋 l	No 🗆 Unknown	
4. Tank site located within 300 feet of	a stream or water body	□ Yes χ⊡∦	No 🗆 Unknown	
IX. DESCRIPTION OF STORA	GE TANKS AND PIPING (	COMPLET	FOR EACH TANK AT THIS	LOCATION)
Tank Identification Number	Tank No. 1 Tank No.			Tank No:
1. Tank status a. Tank mfr's serial # (if known	, 11 3010-10			
b. Currently in Use				
c. Temporarily Out of Use				
d. Permanently Out of Use e. Aboveground storage tank (AST) o Underground storage tank (UST	TXAST CIUST CIAST CIUST	☐ AST	UST DAST DUST	CI AST UST
2. Date of Installation (mo./day/yr.)	12/18/98			
B. Estimated Total Capacity (gallons)	1000 gal			

(mark all that apply)					
Bare steel					
Galvanized steel	X				
Fiberglass reinforced plastic					
Flexible					
Copper					
Cathodically protected					
Secondary containment					
Unknown					
Other, please specify					
Type of construction - Piping     (mark all that apply)					
Double walled					
Single walled	X				
Suction: Check valve at tank only				<u> </u>	
Suction: Check valve at dispenser only	X				
Pressure					
Gravity feed					
Other, please specify		•			
				<del></del>	<del></del>
Has piping been repaired?	· Yes No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Has plping been repaired? Date		~~ <u>~~</u>		☐ Yes ☐ No	☐ Yes ☐ No
Has plping been repaired? Date	□ Yes □ No  TANKS/PIPI	~~ <u>~~</u>		☐ Yes ☐ No	☐ Yes ☐ No
Has plping been repaired? Date		~~ <u>~~</u>		☐ Yes ☐ No	☐ Yes ☐ No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed	Tanks/Pipi	~~ <u>~~</u>		☐ Yes ☐ No	☐ Yes ☐ No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed (mark all that apply)	TANKS/PIPI	~~ <u>~~</u>		☐ Yes ☐ No	☐ Yes ☐ No
Has piping been repaired?  Date  1. Tank/Piping closed or removed (mark all that apply)  A. Estimated date last used (mo./day/yr.)  B. Estimated date of removal	TANKS/PIPI	NG OUT OF	Use	☐ Yes ☐ No	☐ Yes ☐ No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed (mark all that apply)  A. Estimated date last used (mo./day/yr.)  B. Estimated date of removal (mo./day/yr.)	TANKS/PIPI	NG OUT OF	Use	Yes No	☐ Yes ☐ No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed (mark all that apply)  A. Estimated date last used (mo./day/yr.)  B. Estimated date of removal (mo./day/yr.)  C. Tank was removed from ground	TANKS/PIPI	NG OUT OF	Use	Yes No	☐ Yes ☐ No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed (mark all that apply)  A. Estimated date last used (mo./day/yr.)  B. Estimated date of removal (mo./day/yr.)  C. Tank was removed from ground  D. Tank was not removed from ground	TANKS/PIPI	NG OUT OF	Use	Yes No	Yes I No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed (mark all that apply)  A. Estimated date last used (mo./day/yr.)  B. Estimated date of removal (mo./day/yr.)  C. Tank was removed from ground  D. Tank was not removed from ground  Tank was filled with inert material	TANKS/PIPI	NG OUT OF	Use	Yes No	☐ Yes ☐ No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed (mark all that apply)  A. Estimated date last used (mo./day/yr.)  B. Estimated date of removal (mo./day/yr.)  C. Tank was removed from ground  D. Tank was not removed from ground  Tank was filled with inert material  Describe:	TANKS/PIPI	NG OUT OF	Use	Yes Do	Yes I No
Has piping been repaired?  Date  X.  1. Tank/Piping closed or removed (mark all that apply)  A. Estimated date last used (mo./day/yr.)  B. Estimated date of removal (mo./day/yr.)  C. Tank was removed from ground  D. Tank was not removed from ground  Tank was filled with inert material  Describe:  E. Piping was removed from ground	TANKS/PIPI	NG OUT OF	Use	Yes No	Yes I No

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Lank indimination radinos footies	· «· · · · · · · · · · · · · · · · · ·				
4. Substance Currently or Last Stored					
a. Gasoline					
Motor vehicle or other use	気MV 文other	☐ MV ☐ other	□ MV □ other	☐ MV ☐ other	☐ MV ☐ other
b. Diesel					
Motor vehicle or other use	□ MV □ other	☐ MV ☐ other	☐ MV ☐ other	☐ MV ☐ other	☐ MV ☐ other
c. Kerosene					
d. Fuel Oil					'
e. Waste Oil					
f. Other, Please specify		o descript descript different tendents Sabanta		Committee Commit	
Hazardous Substance (other than 4a thru 4e above)				· .	
CERCLA name and/or					
CAS number					
Mixture of Substances				,	
Please specify			· <del></del>		
5. Material of Construction - Tank (mark all that apply)				·	·
Asphalt coated or bare steel	, CX				
Cathodically protected steel					
Epoxy-coated steel					
Composite (steel with fiberglass)					
Fiberglass reinforced plastic (FRP)					
Concrete	x				
Other, Please specify	<u>Vaulted</u> tank	.011 =			
6. Type of Construction-Tank					•
(mark all that apply) Lined interior					
) Double walled					
Single walled	X				
Polyethylene tank jacket	·				
Excavation liner					
Unknown					
Other, please specify					
Has tank been repaired?		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Date					
)					

vank identification Number (cont.)	. Tank No. 1	., Tank No	Tank No	Tank No	Tank No		
2. Tank closed in accordance with 527 CMR 9.00	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No.	☐ Yes ☐ No	□ Yes □ No		
A. Evidence of leak detected	☐ Yes ☐ No	☐ Yes ☐ No	. □ Yes □ No	☐ Yes ☐ No	□ Yes □ No		
B. Mass. DEP notified	□Yes□No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	□ Yes □ No		
1. Mass. DEP tracking number			-thriangle and the				
Agency or company performing assessment				Market and the control of the contro			
XI. CERTIFICATION OF COMPLIANCE							
1. Installation		T		I			
A. Installer certified by tank and piping manufacturers							
Installer certified or licensed by the implementing agency							
C. Installation inspected by a registered engineer	ļ						
D. Installation inspected and approved by the implementing agency	x						
E. Manufacturers' installation checklists have been completed							
F. Another method allowed by 527 CMR 9.00. Please specify							
Tank Leak Detection     (mark all that apply)	Tank Pipin	Tank Piping	Tank Piping	Tank Piping	Tank Piping		
A. Double-wall tank - Interstitial monitoring	X						
B. Approved in-tank monitor							
C. Continuous vapor monitoring in soil							
D. Monthly vapor monitoring in soil							
- E. Inventory record-keeping and tank testing							
F. Other method allowed by 527 CMR 9.00. Please specify			54				
Piping Leak Detection     (mark all that apply)							
A. Pressurized							
Interstitial space monitor							
Automatic flow restrictor*							
Automatic shut-off device*							
Continuous alarm*  * Also requires annual tank tightness test or monthly vapor monitoring of soil.							

Tank Identification Number (cont.)	T		'		7	-	<del></del>			~ /
B. Suction: Check valve at tank only	Tank No	=-	Tank	No	Tank	10	Tank N	0	Tank I	Vo
Interstitlal space monitor										T
C. Suction: Check valve at dispenser only		x								
None required	L	X						$\sqcap$		
D. Tightness tested									,	
	□ 1yr. □ 3	yr.	☐ 1yr.	□ 3 yr.	□ 1yr.		☐ 1yr. :	] 3 vr.		- · ·
E. Other method allowed by 527 CMR 9.00. Please specify!										□ 3 yr. ———
4. Spill containment and overfill protection		+								
A. Spill containment device installed			$\neg$ $ $					-1		
B. Overfill prevention device installed	X		H		H		H			
5. Daily Inventory Control			=							
Manual gauging by stick and records reconcillation			$\dashv \mid$		HI					
B. Mechanical tank gauge	X	li			出一		님		닏ㅣ	
C. Automatic gauging system					片		님		HI	
XII. CERTIF	ICATION	(Read a	and sign	after compl	lotter ell e				닏丄	
NOTE: Both the copy being sent to the State Fire Marshal's copied signature will not be accepted on either document	Office and the	сору ге	etained b	y the local	fire depar	tment mus	t ha sioned	l ennomia	h. A = h =	
NOTE: Both the copy being sent to the State Fire Marshal's Office and the copy retained by the local fire department must be signed separately. A photocopied signature will not be accepted on either document.  I declare under penalty of perjury that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.										
Name and official title	nature:	<u> </u>						Date	):	
Dudley W. Darling		:		•					•	- 1
Vice President	Dunk	13 .	ŅÙ.	Ou	5			21	10/0	
		-						4/.	10/99	,



## Department of Public Safety - Office of the State Fire Marshal NORTHBOROUGH FIRE DEPARTMENT Notification for Removal or Closure of Storage Tanks Regulated Under 527 CMR 9.00

Nothication for Hemoval of Gr	NURTHBUROUGH	EP - 111 01 F 20			
Forward completed form, signed by local fire d  Office of the State Fire Marshal, 1010 Comm  (Fire Department retains one copy of FP-290R)	2215 Date F	Date Received: 02-11-99 Fire Dept. ID# 29215			
This form may be used for notification for remo Piping, when all previously registered tanks/pip Facility are taken out of use.	iks/. Fire Do	ept. Sig. Kan In	Musi repution.		
If a storage facility has UST's which are to remmust be filed.	tire amended F	B. Dat	ility Number e Entered		
Note: "Facility street address" must include both Post office box numbers are not acceptable, an returned. If geographic location of facility is not direction from closest intersection, e.g., (facility yards southeast of Commons Road (intersec	d will cause a reg provided, please at 199 North Stre	gistration to be indicate distand	D. Cor	rk's Initials nments	
I. OWNERSHIP OF TANK(S	}		II. LOCATION	OF TANK(S	5)
Owner Name (Corporation, Individual, Public Agency, or Or  Juniper Hill Golf Course, Inc.  202 Brigham St.  Street Address  Northboro MA 015  City State  Worcester  County (508) 393-2444 04-22995  Phone Number (Include Area Code) Owner's Employe	If known, give the geographic location of tanks by degrees, minutes, and seconds. Example: Lat. 42, 36, 12 N Long. 85, 24, 17W  Latitude 42,19,43N Longitude 71,37,45W 1/4 mi South of Collins Rd & Brigham S Distance and direction from closest intersection (see note above)     Juniper Hill Golf Course, Inc.  Facility Name or Company Site identifier, as applicable     202 Brigham St.  Street Address (P.O. Box not acceptable - see note above)     Northboro MA 01532 City State Zip Code     Worcester				
III. DESCRIPTION OF STORAGE	· · · · · · · · · · · · · · · · · · ·	n Piping (C	OMPLETE FOR FAC	TANK AT THIS L	OCATION)
Tank Identification Number	Tank No1_	Tank No2_		Tank No	Tank No
Tank status     a. Tank mfr's serial # (if known)     b. Currently in Use	<u>H760544</u>	Н <u>761180</u>			
c. Temporarily Out of Use	. X	X			
e. Aboveground storage tank (AST) or Underground storage tank (UST)	□ AST ŽUST	□ AST XUST	□ AST □ UST	- AST :: UST	AST UST
2. Date of Installation (mo./day/yr.)	08/81	08/81			
3. Estimated Total Capacity (gallons)	550	550			
IV.	TANKS/PIP	NG OUT OF	USE		
Tank/Piping closed or removed (mark all that apply)	12/17/98	12/17/98			
A. Estimated date last used (mo./day/yr.)				Manufacture 14 (Control Control Contro	
B. Estimated date of removal (mo./dav/vr.)	12/18/98	12/18/98			

### DUCHARME & WHEELER, INC.

CONSULTING ENGINEERS & LAND SURVEYORS

1092 Main Street, P.O. Box 428 Bolton, MA 01740

Phone: 978-779-6091 Fax: 978-779-0260

File 3123-E

February 9, 1999

Mr. Dudley Darling Juniper Hill Golf Course 202 Brigham Road Northborough, MA 01532

RECEIVED

FEB 17 1999

NORTHBOROUGH FIRE DEPT.

RE:

Underground Storage Tank Closure Report

Juniper Hill Golf Course

Northborough, Massachusetts

Dear Mr. Darling:

This letter report, pertaining to the removal and closure of two underground storage tanks (USTs) by Govoni and Sons Construction Co., Inc. (Govoni & Sons) is submitted to you for your records. Two 550-gallon gasoline USTs were removed from the Juniper Hill Golf Course located at 202 Brigham Road, Northborough, Massachusetts (the "site"). This report summarizes actions taken and environmental conditions encountered during tank removal activities.

#### UST REMOVAL ACTIVITIES

On December 18, 1998, two 550-gallon USTs were removed from the site by Govoni & Sons. Ducharme & Wheeler, Inc. (Ducharme & Wheeler) conducted environmental oversight and soil testing for the tank removals.

A permit was obtained from the City of Northborough by Govoni & Sons for removal of the tanks and is included in Attachment 1 of this report. Digsafe was contacted for utility clearance and number 998510489 was assigned to this tank removal activity.

During tank removal activities, Mr. Jon Moore was the on-site environmental technician for Ducharme & Wheeler. The steel gasoline USTs were located adjacent to the northern side of the golf cart storage yard. For a depiction of the site, please refer to the UST and Soil Sample Plan provided in Attachment 2.

On December 18, 1998, Govoni & Sons transferred approximately 45 gallons of gasoline from the USTs to a 55-gallon DOT drum for temporary storage. The gasoline was then transferred (on the same day) to a separate on-site above ground storage tank (AST) for re-use.

On December 18, 1998, Govoni & Sons excavated and removed the two 550 gallon steel gasoline USTs. The tanks were unearthed and removed with a backhoe. The tanks were found to be in good condition with minor rust and no holes or perforations. The tanks each measured 48-inches in diameter by 5.5 feet in length.

During UST removal activities, petroleum odors and soil staining were not observed in soils surrounding the tank system. At the completion of tank removal activities, the excavation was approximately 11 feet in width by 14 feet in length, and approximately 6 feet in depth. Groundwater was not encountered in the excavation to a maximum depth of approximately 6.5 feet.

During tank removal activities, samples were collected by Ducharme & Wheeler and screened for the presence of volatile compounds using a photoionization detector (PID). The instrument was calibrated to a benzene standard for the measurement of volatile vapors on a part-per-million by volume (ppmv) basis. The screening was performed in accordance with Ducharme & Wheeler's Headspace Screening Protocol, a copy of which is provided in Attachment 3. Headspace gas concentrations detected from soil samples collected during tank removal activities were all less than 2.0 ppmv. Headspace screening results from soil samples collected from the base and sidewalls of the excavation, following tank removal, are contained in Table 1.

#### **REGULATORY ACTIVITIES**

The Northborough Fire Department was notified of tank removal activities, and was present during the removal of both USTs. The Northborough Fire Department visually inspected the tanks and excavation to confirm that there were no reportable release conditions associated with this UST removal action.

#### SOIL SAMPLING AND ANALYSIS

Following UST removal, two soil samples (UST#1-BOTTOM & UST#2-BOTTOM) were collected from the base of the tank excavation. These samples were submitted to Con-Test Analytical Laboratory for laboratory analysis of volatile organic compounds (VOC) and methyl-tert-butyl-ether (MTBE) by U.S. Environmental Protection Agency (EPA) Method 8020. VOC and MTBE concentrations were not detected in either sample. The laboratory detection limits for the three selected analyses are below the Reportable Concentration (RC) for Soil Category S-1 (RCS-1). Reportable Concentration RCS-1 was selected in accordance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000, Section 40.0361.

Analytical results are summarized in Table 2, and a copy of the laboratory analytical report is provided in Attachment 4.

#### DISPOSITION OF TANK AND SOIL

The steel USTs were delivered to W. M. Reisner located at 33 Elm Street in Clinton, Massachusetts for reclamation. Records confirming receipt of the tanks by the reclamation facility are provided in Attachment 5.

The UST excavation was backfilled with previously excavated soil and additional bankrun gravel brought to the Site by Govoni & Sons. Backfilled material was compacted with the bucket of the backhoe.

#### CONCLUSIONS

Based on field observations, soil headspace screening results, and laboratory analytical data, there has not been a release of petroleum hydrocarbons to soil in the vicinity of the former gasoline tanks. The following information was obtained during tank removal activities:

- Following removal of the gasoline USTs, closure soil samples were obtained from the base of the excavation. Laboratory analytical results indicate that soils remaining within the UST excavation do not contain detectable concentrations of oil and hazardous materials.
- Site conditions encountered during the removal of the gasoline USTs do not require notification to the Massachusetts Department of Environmental Protection.
- Groundwater was not encountered during the excavation of the USTs to a maximum depth of 6.5 feet.

#### RECOMMENDATIONS

Based on field observations made during removal of the UST systems, and laboratory analytical data, Ducharme & Wheeler recommends no further environmental investigation or assessment related to the removal of the former gasoline tank systems.

MSDS ENCLOSED

7 444	7	40				図			
SE, INC Name DUDLEY W. DARLING PROM (SOS, 393- Name 202 BRIGHAM ST. NORTHBORD, MA	10 2 6	Numa DUDGEY DARCING THA VICE PRES Proma (508) 393-3444 2444 MAIL Phona (508) 393-33	From Lanuary 1 to December 31.19	A   A   A   A   A   A   A   A   A   A	OLY Max. Dally Society 314 EAST END OF MAINT.	3[6] Signal (Janys)		Options (Albert Market)  Output CNE and frust passed.    All these statehold a site plan occasion and complete.   All these statehold a site of site of site occasions and complete.   All these statehold a site of site occasions and complete and complete and complete occasions and complete occasions and complete occasions of complete occasions.	
Freelly Identification Report HILL GOLF CO	SICOSO TIGIGAL ON SECTION OF THE PROPERTY OF T	FECEIVED	Joe le		100 SOLUBLE FERTILIZES   Stockers	GANJC SALTS Immediae (code)  National Liquid Gas BHS  Page Mix Social Liquid Gas BHS	Trade	Cortification: (Rest strict state completing all actions)  contributed product product production and in terractions and in terractions with the information submitted in progress one for any inquiry of those individuals responsible for obtaining the information. Defense that the submitted information is true, as on my inquiry of those individuals responsible for obtaining the information is true, as on my inquiry of those individuals responsible for the individual information is true, as an individual individual information is true, as an individual information in the individual information in the individual	Outro I and Market

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10 0				September 1997	13. 13. HB
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Y W. DARLING Prom (508)  Y W. DARLING Prom (508)  RIGHMA ST. NORTHBORC  RIGHMA ST. NORTHBORC  RIGHMA ST. NORTHBORC  RIGHMA ST. NORTHBORC  RIGHMAN ST. NORTHBORC	93-2444 211 12 12 12 12 12 12 12 12 12 12 12 12	NA RIV NA NO CE	TIY EAST END OF MAINT. BUILDING		And the state of t
Comparison Name   1990   Epicific Manufaction   Comparison Name	REAR De Name (1970)  OLINE Des name (1970)  Read all Instructions before completing form Reporting Period From J	emical Description    Control of 1   Strict   Control	CAS	CAS	Certification: ((Read Air Micrafic Completes all Mellow) in the feature of the paper on though the paper on t

END OF MAINTENANCE BUILDING Phone 508-393-2444 THE VICE PRESIDENT 24 Hr. Phone 508-393-3307 24 Hr. Phone 508-393-4594 Ц Zp 0/532 BUILDING Pecid 3/61 Nottbrong Fire Det including word spaces (Please Print) EAST OF MAINTENANCE ъ I have attached a list of site coordinate abbreviations
I have attached a description of duties and other safeguard measures ENST OF CART BARN Only 105 characters available Optional Attachments I have attached a site plan STORAGE LOCATIONS AST-FUELTANK AST - FUELTANK Title SUPT State MA Name DUDCEY W. DARLING Name DUDCEY W. DARLING Mail Address 202 BRIGHAM EAST ACKLEY Phone 508-393-2444 Phone 508-393-2444 City NORTHBORD Pressure Temperature Temperature 1 Storage Codes t Name THOMAS Owner/Operator Name **Emergency Contact** , and that based loertify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through, and that be on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and compete on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and compete. Container Type Container Type Tier Two Emergency and Hazardous Chemical Inventory - DUE MARCH 1, Due to Electronic Processing Your form will be returned unless each item is completed! h 365 Avg. Daily Amount (code) 365 Max. Daily Amount (code) No. of Days On-site (days) Avg. Daily Amount (code) Inventory Max. Daily Amount (code) Facility Identification (PLMGETURBBE)HEHEIBAUFION DO NOT OBSCURE YOUR PHONE NUMBER No. of Days On-site (days) 04 03 City NORTH BORD County WORCESTER State MA Zip Q1532 X Delayed (chronic) mmediate (acute) Sudden Release of Pressure X Immediate (acute) X Delayed (chronic) Sudden Release of Pressure Physical and Health Hazards d. Reactivity 201 Reactivity X 1237 X Fire State Name JUNIPER HILL GOLF COURSE SOLUABLE FERTILIZER DETROLEUM DISTILAT. Number 06 992 CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE X INFORMATION LISTED LAST YEAR. GASOLINE CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE  $X \in \mathbb{R}^2$  Information listed last year. (Read and sign after completing all sections) 器品 絽 Trade Secret THE CHEMICAL NAME MUST BE IN ALPHABETICAL ORDER PLEASE SALTS Trade Secret Chemical Description Gas Gas 51 5 PECENED Dun & Brad Liquid BRIGHAM 708-393-2444 Chem. Name UNLEADED 86290 81 NORGANIC Solid Solid × PO BOX Street Name SIC Code [7|9|2| <u>Χ</u> ∑≚ X YOUR MAILING ADDRESS Pure Pure FACILITY ID ADDRESS 404 IF DIFFERENT FROM Chem. Name C16H1 **EHS Name** 68-0689 (1-95) **EHS Name** Check all that apply: Check all that apply: MUST HAVE CAS Phone # Street

Page 2 of 2

STORAGE LOCATIONS	Only 105 characters available including word spaces (Please Print)	1 - F	WEST OF MAINTENANCE					0.			True -			
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Tier Two Emergency and Hazardous Chemical Inventory - DUE MARCH 1, o Electronic Processing Your form will be returned unless each item is completed A STATE OF THE STA

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STORAGE LOCATIONS	Only 105 characters available including word spaces (Please Print)	AST-FUEL TANK	WEST OF CLUBHOUSE	NEST OF	BUILDING	4					lue					rature						
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MAINTENANCE 508-393-2444 24 Hr. Phone 508-612-4578 Ų CART GARAGE NORTHBOROUGH FIRE DEPT 01532 Only 105 characters available including word spaces (Please Print) EAST OF MAINTENANCE FEB 2 1 2003 I have attached a list of alto coordinate abbreviations
I have attached a description of duries and other safeguard measures RECHIVED 24 Hr. Phone 508-393-4 ď Optional Attachments STORAGE LOCATIONS 님 TANK τ--THE SUP! AST - FUEL TANK BULLDINE THE VICE DE 9011-D106 Page State MA FUEL にとり DARLING DUDLEY DARLING BRIGHAM FAST 12 ST AST-负 20/0 66h 6-Phone 508-393-244 ムバイ Name DUDLEY W. CITY NORTH BORD Pressure Temperature Pressure Temperature U, 1 とのと Phone 508-393 1 Storage Codes 3 THOMAS Owner/Operator Name Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted integrates one through and complete, on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is compared to the complete of the comp **Emergency Contact** Mail Address\_ Container Type Container Tier Two Emergency and Hazardous Chemical Inventory - DUE MARCH 1, Due to Electronic Processing Your form will be returned unless each item is completed! Name 7 Name 365 No. of Days On-site (days) Max Daily Amount (code) Amount (code) Avg. Daily Amount (code) Inventory Max. Daily Amount (code) No. of Days On-site (days) 0 Facility Identification (PLACE LABEL HERE CAUTION DO NOT OBSCURE YOUR PHONE NUMBER) 26 Avg. Daily 03 1-37-45 State M.A. ZIP 0/532 X Delayed (chronic) mmediate (acute X Detayed (chronic) Sudden Release Immediate (acute) Sudden Release Physical and Health Hazards of Pressure COURSE, INC ᄗ Reactivity of Pressure Reactivity Latitude/Longitude 42-78-45M Ē 1237 ė. V State ZER PETROLEUM DISTILATE BORU COUNTY WORKESTER GASOLINE CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE WIFORMATION LISTED LAST YEAR. 992 CHECK IF CHEMICAL INFORMATION IN THIS AREA IS IDENTICAL TO THE NFORMATION LISTED LAST YEAR. CERTIL 品品 品 THE CHEMICAL NAME MUST BE IN ALPHABETICAL ORDER PLEASE Trade Secret Trade GOLF 00 Gas Chemical Description ₹ 815 무무 **V**2 Dun & Brad Number BRIGHAM Chem. Name UNLER DED HILL NORGANIC 5.08-393-2444 Solid 陽 SOLUA PO BOX 1862190 Street. ATTN: Name SIC Code 7 9 9 2 춫 Name JUNIPER TOUR MAILING ADDRESS Pure FACEUTY ID ADDRESS CIGHT Chem. Name クグ IF DIFFERENT FROM CRY WORTH **EHS Name EHS Name** Check all that apply: Check all that apply: MUST HAVE CAS CAS Phone #

Page 2 of 2 Tier Two Continuation Form

				SHOITAGELIGATIONS
Chemical Description THE CHEMICAL NAME MUST BE IN ALPHABETICAL ORDER PLEASE	Physical and Health Hazards	Inventory	Storage Codes	Only 105 characters available including word spaces (Please Print)
CAS	Fire Sudden Release of Pressure Reactivity X immediate (scute)	03 Max Daily Amount (code)	Container Pressure Temperature A A 4 B A 4	AST-FUEL TANK WEST OF CLUBHOUSE UST-FUEL TANK
Check all Check	Delayed (chronic)	Avg. Dally Amount (code)  2655 No. of Days On-site (days)		WESTOF MAINTENANCE BUILDING
CAS Trade Chem. Name	Fire Sudden Release of Pressure	Max. Dally Amount (code)	Container Type Pressure Temperature	
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Page 1

**Emergency and Hazardous Chemical Inventory** 

Specific Information by Chemical

Printed: March 1, 2004

Amount: 1000 gallons

Amount: 500 gallons

Juniper Hill Golf Course, Inc. Facility Name: FACILITY IDENTIFICATION: Juniper Hill Golf Course, Inc. Dept: 202 Brigham Street RECEIVED Northborough, MA 01532 USA County: Worcester 2004 Number of employees: 75 MAR 1 Latitude: 42.3104 Longitude: 71.6283 NORTHBOROUGH FIRE DEPT Method: I1 - Interpolation (Map) Description: CE - Center of Facility **IDENTIFICATION NUMBERS:** SIC: 7992 Dun & Bradstreet: 069921237 EIN #: 04-2299518 CONTACT INFORMATION: Darling, Dudley Contact Type 3: Regulatory Point of Contact Type 2: Submitter Title: Vice President Contact Type 1: Emergency Contact Contact Type 4: Owner / Operator Address: 202 Brigham Street, Northborough, MA, 01532 USA Mobile - Cell: 508-612-4578 Phones: Work: 508-393-2444 Email: ddarling@juniperhillgc.com CHEMICAL DESCRIPTIONS: [x] All chemicals in inventory are identical to last year's submission CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL) CAS: 86290-81-5 [x] Identical to previous year [] TRADE SECRET [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [] Sudden Release of Pressure [] Reactivity [x] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 Avg Daily Amt code: 03 No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS:

Temp: 4

Temp: 4

CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts

Pressure: 1

Pressure: 1

Container Type: A

Container Type: A

Location: AST-Fuel Tank East of Cart Garage

Location: AST-Fuel Tank East of Maint. Bldg

**Emergency and Hazardous Chemical Inventory** 

Dudley W. Darling - Vice President

Name and official title of owner/operator

OR owner/operator's authorized representative

Printed: March 1, 2004

3/1/2004

Date signed

Specific Information by Chemical Juniper Hill Golf Course, Inc. Facility Name: RECEIVED CHEM NAME: LIQUEFIED PETROLEUM GAS CAS: 74-98-6 2004 MAR 1 [x] Identical to previous year [] TRADE SECRET [x] Pure [] Mix [] Solid [x] Liquid [x] Gas [] EHS [x] Fire [x] Sudden Release of Pressure [] Reactivity [x] Immediate (acute) [] Delayed (chronic) ORTHBOROUGH FIRE DEPT PHYSICAL & HEALTH HAZARDS: INVENTORY: Max Daily Amt code: 03 Avg Daily Amt code: 03 No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank West of Clubhouse Amount: 1000 gallons Temp: 4 Location: AST-Fuel Tank West of Maint. Bldg Pressure: 2 Container Type: A CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts Temp: 4 CHEM NAME: Soluable Fertilizer - Inorganic Salts CAS: [x] Identical to previous year [ ] TRADE SECRET [ ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas [ ] EHS [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [x] Delayed (chronic) PHYSICAL & HEALTH HAZARDS: INVENTORY: Max Daily Amt code: 04 Avg Daily Amt code: 02 No. of days on-site: 365 STORAGE CÓDES & STORAGE LOCATIONS: Amount: 25000 pounds Location: East End of Maint. Bldg. CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts FACILITY STATE FIELDS: No additional information is required by Massachusetts STATE / LOCAL FEES: \$375 [x] I have attached a site plan [ ] I have attached a list of site coordinate abbreviations [ ] I have attached a description of dikes and other safeguard measures Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 2, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature

Page 1

### Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: March 1, 2005

Juniper Hill Golf Course, Inc. Facility Name:

#### FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 75

Latitude: 42.3104 Longitude: 71.6283

Method: I1 - Interpolation (Map)

Description: CE - Center of Facility

RECEIVED

2005 MAR 1

NORTHBOROUGH FIRE DEPT

IDENTIFICATION NUMBERS:

SIC: 7992 (PUBLIC GOLF COURSES)

Dun & Bradstreet: 069921237

EIN #: 04-2299518

CONTACT INFORMATION:

Darling, Dudley Contact Type 2: Submitter Contact Type 1: Emergency Contact Title: Vice President

Contact Type 3: Regulatory Point of

Address: 202 Brigham Street, Northborough, MA, 01532 USA

FAX: 508-393-2279 Mobile - Cell: 508-612-4578 Phones: Work: 508-393-2444

Email: ddarling@juniperhillgc.com

Ackley, Thomas

Title: Superintendant Contact Type 1: Emergency Contact

Contact Type 2: Other

Address: 202 Brigham St, Northboro, MA, 01532 USA

Home: 508-393-4594 FAX: 508-393-8169 Phones: Work: 508-393-3069

Email: tackley@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL)

CAS: 86290-81-5

[x] Identical to previous year

[ ] TRADE SECRET

Pure [x] Mix [] Solid [x] Liquid [] Gas [] EHS

PHYSICAL & HEALTH HAZARDS:

[x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic)

INVENTORY:

Max Daily Amt code: 03 (1,000 - 9,999 pounds)

Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 6000 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS: Proceure 1 Temp' 4

Location: AST-Fuel Tank Fast of Cart Garage

Amount: 1000 dallons

Reporting Period: January 1 to December 31, 2004

Page 2

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: March 1, 2005

Juniper Hill Golf Course, Inc. Facility Name: Amount: 1000 gallons Location: AST-Fuel Tank East of Cart Garage Temp: 4 Amount: 500 gailons Pressure: 1 Location: AST-Fuel Tank East of Maint. Bldg Container Type: A Temp: 4 CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts Pressure: 1 CHEM NAME: LIQUEFIED PETROLEUM GAS CAS: 74-98-6 [x] Identical to previous year [ ] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas [ ] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [ ] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 4240 pounds No. of days on-site: 365 STORAGE CÓDES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank West of Clubhouse Pressure: 2 Temp: 4 Container Type: A Amount: 1000 gallons Location: UST-Fuel Tank West of Maint. Bldg Temp: 4 Pressure: 2 CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts CHEM NAME: Soluable Fertilizer - Inorganic Salts CAS: [x] Identical to previous year [ ] TRADE SECRET []Pure [x] Mix [x] Solid [] Liquid [] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Daily Amt code: 04 (10,000 - 99,999 pounds) Avg Daily Amt code: 02 (100 - 999 pounds) Max quantity in largest container: 25000 pounds No. of days on-site: 365 STORAGE CÓDES & STORAGE LOCATIONS: Amount: 25000 pounds Location: East End of Maint. Bldg. Pressure: 1 Temp: 4 CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts

FACILITY STATE FIELDS:

Massachusetts requires some information located under other tabs.

STATE / LOCAL FEES: \$375

[x] I have attached a site plan

[ ] I have attached a list of site coordinate abbreviations

[ ] I have attached a description of dikes and other safeguard measures

Tier Two

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Reporting Period: January 1 to December 31, 2004

Page 3

Printed: March 1, 2005

Facility Name:

Juniper Hill Golf Course, Inc.

#### Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3,

and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Dudley W. Darling - Vice President

Name and official title of owner/operator OR owner/operator's authorized representative

Durly W. Darly

3/1/2005

Date signed

Reporting Period: January 1 to December 31, 2005

Page 1

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: February 27, 2006

Juniper Hill Golf Course, Inc. Facility Name:

FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 85

Latitude: 42.3104

Longitude: 71.6283

Method: I1 - Interpolation (Map) Description: CE - Center of Facility RECEIVED

FEB 2 8 2006

NORTHBOROUGH FIRE DEPT

**IDENTIFICATION NUMBERS:** 

SIC: 7992 (PUBLIC GOLF COURSES)

Dun & Bradstreet: 069921237

EIN#:

CONTACT INFORMATION:

Darling, Dudley

Title: Vice President Contact Type 1: Emergency Contact

Contact Contact Type 4: Owner / Operator Address: 202 Brigham St, Northborough, MA, 01532 USA

Work: 508-393-2444 Phones: Mobile - Cell: 508-612-4578

Email: ddarling@juniperhillgc.com

FAX: 508-393-2279

Contact Type 2: Submitter Contact Type 3: Regulatory Point of

Ackley, Thomas

Title: Supt. Contact Type 1: Emergency Contact

Contact Type 2: Other Address: 202 Brigham St, Northborough, MA, 01532 USA

FAX: 508-393-8169

Phones: Work: 508-393-3069

Home: 508-393-4594

Email: tackley@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

CHEM NAME: GASOLINES: AUTOMOTIVE (<4,23G LEAD/GAL)

CAS: 86290-81-5

[x] Identical to previous year

[]TRADE SECRET

[]Pure [x] Mix [] Solid [x] Liquid [] Gas [] EHS

[x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic) PHYSICAL & HEALTH HAZARDS:

INVENTORY:

Max Daily Amt code: 03 (1,000 - 9,999 pounds)

Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 6000 pounds

No. of days on-site: 365

STORAGE CÓDES & STORAGE LOCATIONS: Container Tyne: A Pressure: 1 Temn: 4

Location: AST-Fuel Tank Fast of Cart Garage

Amount: 1000 dallons

Reporting Period: January 1 to December 31, 2005 Page 2

**Emergency and Hazardous Chemical Inventory** 

Specific Information by Chemical

Printed: February 27, 2006

Juniper Hill Golf Course, Inc. Facility Name:

Amount: 1000 gallons Location: AST-Fuel Tank East of Cart Garage Temp: 4 Amount: 500 gallons Pressure: 1 Location: AST -Fuel Tank East of Maint. Bldg Container Type: A CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts Temp: 4

CHEM NAME: LIQUEFIED PETROLEUM GAS CAS: 74-98-6 [ ] Identical to previous year [] TRADE SECRET [x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas [ ] EHS [x] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [ ] Delayed (chronic) PHYSICAL & HEALTH HAZARDS: INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 4240 pounds No. of days on-site: 365 STORAGE CÓDES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank West of Clubhouse Temp: 4 Amount: 1000 gallons Location: UST-Fuel Tank West of Maint, Bldg Pressure: 2 Container Type: A CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts Temp: 4

CHEM NAME: Soluable Fertilizer - Inorganic Salts CAS: [x] Identical to previous year []TRADE SECRET ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas [ ] EHS [ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic) PHYSICAL & HEALTH HAZARDS: INVENTORY: Max Daily Amt code: 04 (10,000 - 99,999 pounds) Avg Daily Amt code: 02 (100 - 999 pounds) Max quantity in largest container: 25000 pounds No. of days on-site: 365 STORAGE CÓDES & STORAGE LOCATIONS: Amount: 25000 pounds Location: East End of Maint, Bldg Container Type: J Pressure: 1 Temp: 4 CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts

FACILITY STATE FIELDS:

Massachusetts requires some information located under other tabs.

STATE / LOCAL FEES: \$375

[x] I have attached a site plan l l have attached a list of site coordinate abbreviations I I have attached a description of dikes and other safeguard measures

√ier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical

Reporting Period: January 1 to December 31, 2005

Page 3.

Printed: February 27, 2006

Facility Name:

Juniper Hill Golf Course, Inc.

[ ] I have attached a description of dikes and other safeguard measures

#### Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Vice President Dudley W. Darling

Name and official title of owner/operator OR owner/operator's authorized representative

2/27/2006

Date signed

Tier Two

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Reporting Period: January 1 to December 31, 2006

Printed: February 16, 2007

Juniper Hill Golf Course, Inc. Facility Name:

FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 85

Latitude: 42.3109 Longitude: 71.6277

Method: G0 - GPS (Other)

Description: CE - Center of Facility

RECEIVED

FEB 1 6 2007

NORTHBOROUGH FIRE DEPT

IDENTIFICATION NUMBERS:

Dun & Bradstreet: 069921237

EIN #:

SIC: 7992 (PUBLIC GOLF COURSES)

CONTACT INFORMATION:

Darling, Dudley

Contact Type 1: Emergency Contact Title: Vice President

Contact Type 2: Submitter

Contact Type 3: Regulatory Point of

Contact Type 4: Owner / Operator

Address: 202 Brigham St, Northborough, MA, 01532 USA

FAX: 508-393-2279 Phones: Mobile - Cell: 508-612-4578 Work: 508-393-2444

Email: ddarling@juniperhillgc.com

Ackley, Thomas

Contact Type 2: Other Contact Type 1: Emergency Contact Title: Supt.

Address: 202 Brigham St, Northborough, MA, 01532 USA

Home: 508-393-4594 FAX: 508-393-8169 Phones: Work: 508-393-3069

Email: tackley@juniperhillgc.com

Cullen, Robert

Contact Type 1: Emergency Contact Title: Asst. Supt.

Address: 202 Brigham St, Northborough, MA, 01532 Home: 508-791-4457 FAX: 508-393-8169 Phones: Work: 508-393-3069

Email: info@juniperhillgc.com

Darling, Thornton

Contact Type 1: Emergency Contact Title: Maint. Mgr. USA

Address: 202 Brigham St., Northborough, MA, 01532 Home: 508-865-4650 Mobile - Cell: 508-612-4171 FAX: 508-393-8169 Phones: Work: 508-393-3069

Email: info@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

Page 2

## Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: February 16, 2007

Juniper Hill Golf Course, Inc. Facility Name: CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL) CAS: 86290-81-5 [x] Identical to previous year []TRADE SECRET []Pure [x] Mix [] Solid [x] Liquid [] Gas [] EHS [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic) PHYSICAL & HEALTH HAZARDS: INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 6000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank East of Cart Garage Amount: 500 gallons Temp: 4 Pressure: 1 Location: AST -Fuel Tank East of Maint. Bldg Container Type: A Pressure: 1 Temp: 4 Container Type: A CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts CHEM NAME: LIQUEFIED PETROLEUM GAS CAS: 74-98-6 [ ] Identical to previous year []TRADE SECRET [] Pure [x] Mix [] Solid [x] Liquid [x] Gas [] EHS [x] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [ ] Delayed (chronic) PHYSICAL & HEALTH HAZARDS: INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 4240 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank West of Clubhouse Amount: 1000 gallons Temp: 4 Pressure: 2 Location: UST-Fuel Tank West of Maint. Bldg Container Type: A Pressure: 2 Temp: 4 Container Type: B CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts CHEM NAME: Soluable Fertilizer - Inorganic Salts CAS: [x] Identical to previous year []TRADE SECRET []Pure [x] Mix [x] Solid [] Liquid [] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [] Fire [] Sudden Release of Pressure [] Reactivity [] Immediate (acute) [] Delayed (chronic) INVENTORY: Max Daily Amt code: 04 (10,000 - 99,999 pounds) Avg Daily Amt code: 02 (100 - 999 pounds) Max quantity in largest container: 25000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 25000 pounds Location: East End of Maint. Bldg Pressure: 1 Container Type: J CHEMICALS IN INVENTORY STATE FIELDS:

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical

Reporting Period: January 1 to December 31, 2006

Page 3

Printed: February 16, 2007

Facility Name:	Juniper Hi	ll Golf Course,	Inc.
----------------	------------	-----------------	------

No additional chemical information is required by Massachusetts

#### **FACILITY STATE FIELDS:**

Massachusetts requires some information located under other tabs.

STATE / LOCAL FEES: \$375

Tv1	Lhavo	attached	~	cito	nla	r
IXI	ınave	attached	а	site	Dia	ιг

[ ] I have attached a list of site coordinate abbreviations

[ ] I have attached a description of dikes and other safeguard measures

#### Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Dudley W. Darling Vice President

Name and official title of owner/operator OR owner/operator's authorized representative

02/06/2007

Date signed

Tier Two **Emergency and Hazardous Chemical Inventory** Specific Information by Chemical

Reporting Period: January 1 to December 31, 2007

Printed: February 26, 2008

Juniper Hill Golf Course, Inc. acility Name:

FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 85

Latitude: 42.3109 Longitude: 71.6277 Method: G0 - GPS (Other)

Description: CE - Center of Facility

RECEIVED

FEB 2 7 2008

NORTHBOROUGH FIRE DEPT

IDENTIFICATION NUMBERS:

Dun & Bradstreet: 069921237

EIN #: 04-2299518

SIC: 7992 (PUBLIC GOLF COURSES)

CONTACT INFORMATION:

Darling, Dudley

Contact Type 1: Emergency Contact Title: Vice President

Contact Type 2: Submitter

Contact Type 3: Regulatory Point of

Contact Contact Type 4: Owner / Operator

Address: 202 Brigham St, Northborough, MA, 01532 USA

Work: 508-393-2444 Phones: Mobile - Cell: 508-612-4578

Home: 508-393-1633 FAX: 508-393-2279

Email: ddarling@juniperhillgc.com

Ackley, Thomas

Contact Type 1: Emergency Contact Contact Type 2: Other Title: Supt.

Address: 202 Brigham St, Northborough, MA, 01532 USA

Home: 508-393-4594 FAX: 508-393-8169 Mobile - Cell: 508-612-3617 Phones: Work: 508-393-3069

Email: tackley@juniperhillgc.com

Cullen, Robert

Contact Type 1: Emergency Contact Title: Asst. Supt. Address: 202 Brigham St, Northborough, MA, 01532

Home: 508-791-4457 FAX: 508-393-8169 Phones: Work: 508-393-3069

Email: info@juniperhillgc.com

Darling, Thornton

Contact Type 1: Emergency Contact Title: Equip & Maint. Mgr.

Address: 202 Brigham St., Northborough, MA, 01532 USA

Home: 508-865-4650 FAX: 508-393-8169 Mobile - Cell: 508-612-4171 Phones: Work: 508-393-3069

Email: info@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

Printed: February 26, 2008

Juniper Hill Golf Course, Inc. acility Name: CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL) CAS: 86290-81-5 [x] Identical to previous year [] TRADE SECRET []Pure [x] Mix [] Solid [x] Liquid [] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 6000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank East of Cart Garage Temp: 4 Pressure: 1 Container Type: A Amount: 500 gallons Location: AST -Fuel Tank East of Maint. Bldg Temp: 4 Pressure: 1 Container Type: A CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts CHEM NAME: LIQUEFIED PETROLEUM GAS CAS: 74-98-6 [ ] Identical to previous year []TRADE SECRET []Pure [x] Mix [] Solid [x] Liquid [x] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [ ] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 4240 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank West of Clubhouse Pressure: 2 Temp: 4 Container Type: A Amount: 1000 gallons Location: UST-Fuel Tank West of Maint. Bldg Temp: 4 Pressure: 2 Container Type: B CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts CHEM NAME: Soluable Fertilizer - Inorganic Salts CAS: [x] Identical to previous year []TRADE SECRET []Pure [x] Mix [x] Solid [] Liquid [] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [] Fire [] Sudden Release of Pressure [] Reactivity [] Immediate (acute) [] Delayed (chronic) INVENTORY: Max Daily Amt code: 04 (10,000 - 99,999 pounds) Avg Daily Amt code: 02 (100 - 999 pounds) Max quantity in largest container: 25000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 25000 pounds Location: East End of Maint. Bldg Temp: 4 Pressure: 1 Container Type: J CHEMICALS IN INVENTORY STATE FIELDS:

Reporting Period: January 1 to December 31, 2007

Page 3

Printed: February 26, 2008

acility Name: Juniper Hill Golf Course, Inc.			
No additional chemical information is required by Massachusetts			
FACILITY STATE FIELDS:  Massachusetts requires some information located under other tabs.			
STATE / LOCAL FEES: \$375			
<ul><li>[x] I have attached a site plan</li><li>[ ] I have attached a list of site coordinate abbreviations</li><li>[ ] I have attached a description of dikes and other safeguard measures</li></ul>			
NOTES: Site Plan attached to separate email			
Certification (Read and sign after completing all sections)  I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.			
Dudley W. Darling Vice President  Name and official title of owner/operator OR owner/operator's authorized representative  Signature	02/26/2008 Date signed		

Tier Two

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Reporting Period: January 1 to December 31, 2008

Page 1

Printed: February 26, 2009

Facility Name: Juniper Hill Golf Course, Inc.

FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 85

Latitude: 42.3109 Longitude: 71.6277 Method: G0 - GPS (Other)

Description: CE - Center of Facility

RECEIVED

Fed 27 2009

NORTHBOROUGH FIRE DEPT

**IDENTIFICATION NUMBERS:** 

Dun & Bradstreet: 069921237

EIN #: 04-2299518

NAICS: 71391 (Golf Courses and Country Clubs)

SIC: 7992 (PUBLIC GOLF COURSES)

CONTACT INFORMATION:

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Contact Type 2: Submitter

Contact Type 3: Regulatory Point of

Contact Contact Type 4: Owner / Operator

Address: 202 Brigham St, Northborough, MA, 01532 USA

Phones: Mobile - Cell: 508-612-4578 Work: 508-393-2444

FAX: 508-393-2279 Home: 508-393-1633

Email: ddarling@juniperhillgc.com

Ackley, Thomas

Title: Supt. Contact Type 1: Emergency Contact Contact Type 2: Other

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Phones: Work: 508-393-3069 Mobile - Cell: 508-612-3617 FAX: 508-393-8169 Home: 508-393-4594

Email: tackley@juniperhillgc.com

Cullen, Robert

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Phones: Work: 508-393-3069 Mobile - Cell: 508-612-4171 FAX: 508-393-8169 Home: 508-865-4650

Email: info@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

Facility Name:

Reporting Period: January 1 to December 31, 2008

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Page 2

Printed: February 26, 2009

Emergency and Hazardous Chemical Inventory Specific Information by Chemical

STORAGE CODES & STORAGE LOCATIONS:

Juniper Hill Golf Course, Inc.

CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL) CAS: 86290-81-5 [x] Identical to previous year []TRADE SECRET [] Pure [x] Mix [] Solid [x] Liquid [] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Amt: 9000 pounds Max Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Amt: 4500 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 6000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank East of Cart Garage Container Type: A Pressure: 1 Temp: 4 Container Type: A Pressure: 1 Temp: 4 Location: AST -Fuel Tank East of Maint. Bldg Amount: 500 gallons CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts CHEM NAME: LIQUEFIED PETROLEUM GAS CAS: 74-98-6 [x] Identical to previous year [ ] TRADE SECRET [] Pure [x] Mix [] Solid [x] Liquid [x] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [x] Sudden Release of Pressure [] Reactivity [x] Immediate (acute) [] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Max Amt: 8480 pounds Avg Amt: 4240 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 4240 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Location: AST-Fuel Tank West of Clubhouse Amount: 1000 gallons Temp: 4 Container Type: A Pressure: 2 Container Type: B Pressure: 2 Temp: 4 Location: UST-Fuel Tank West of Maint. Bldg Amount: 1000 gallons CHEMICALS IN INVENTORY STATE FIELDS: No additional chemical information is required by Massachusetts CHEM NAME: Soluable Fertilizer - Inorganic Salts CAS: [x] Identical to previous year [ ] TRADE SECRET [] Pure [x] Mix [x] Solid [] Liquid [] Gas [] EHS PHYSICAL & HEALTH HAZARDS: []Fire []Sudden Release of Pressure []Reactivity []Immediate (acute) []Delayed (chronic) INVENTORY: Max Amt: 25000 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds) Avg Daily Amt code: 02 (100 - 999 pounds) Avg Amt: 500 pounds Max quantity in largest container: 25000 pounds No. of days on-site: 365

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical

Reporting Period: January 1 to December 31, 2008

Printed: February 26, 2009

Facility Name:	Juniper Hill Golf Course, I	nc.

Container Type: J Pressure: 1 Temp: 4

Location: East End of Maint. Bldg

Amount: 25000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Massachusetts

#### **FACILITY STATE FIELDS:**

Massachusetts requires some information located under other tabs.

#### STATE / LOCAL FEES: \$375

[x] I have attached a site plan

[ ] I have attached a list of site coordinate abbreviations

[ ] I have attached a description of dikes and other safeguard measures

#### Certification (Read and sign after completing all sections)

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#### Dudley W. Darling Vice President

Name and official title of owner/operator OR owner/operator's authorized representative

Signature

2/26/2009

Date signed

Tier Two

Reporting Period: January 1 to December 31, 2009

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NORTHBOROUGH FIRE DEPT.

Page 1

**Emergency and Hazardous Chemical Inventory** 

Specific Information by Chemical

Printed: March 1, 2010

Facility Name: Juniper Hill Golf Course, Inc.

FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 95

Latitude: 42.3109 Longitude: 71.6277

Method: G0 - GPS (Other)

Description: CE - Center of Facility

IDENTIFICATION NUMBERS:

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EIN #: 04-2299518

NAICS: 71391 (Golf Courses and Country Clubs)

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Contact Type 3: Regulatory Point of

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Home: 508-393-1633

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FAX: 508-393-8169 Home: 508-865-4650

Email: info@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: March 1, 2010

Facility Name: Juniper Hill Golf Course, Inc.
TO THE CALCULATION OF THE PROPERTY OF THE PROP
CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL)
CAS: 86290-81-5
[x] Identical to previous year
[]TRADE SECRET
[]Pure [x] Mix [] Solid [x] Liquid [] Gas [] EHS
PHYSICAL & HEALTH HAZARDS:  [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic)
[X] FILE [ ] Studient Melegge of Legogia [ ] The state of Legogia [ ] T
INVENTORY:  Max Amt: 9000 pounds  Max Daily Amt code: 03 (1,000 - 9,999 pounds)
Avg Amt: 4500 pounds
Max quantity in largest container: 6000 pounds
No. of days on-site: 365
ATOMACE CODES & STOPAGE LOCATIONS:
Temp' 4   Ocation: AST-Fuel Talk Last of Out Guilde
Container Type: A Pressure: 1 Temp: 4 Location: AST -Fuel Tank East of Maint. Blog 7 and and a second secon
CHEMICALS IN INVENTORY STATE FIELDS:
Massachusetts requests the following:
*Mode of Shipment:
[] Trucks [] Tank Trucks [] Rail Car [] Tank Car [] Pipeline [] Barge [] Other (Specify)
Specify other:
Frequency of Shipment: per
Maximum capacity per single vessel:
Max Shipment Qty (lbs):
Ave Qty (lbs):
Physical State in Transit: Comments (please provide both the primary and alternate routes of travel):
Carrier:
Carrot.
CHEM NAME: LIQUEFIED PETROLEUM GAS
CAS: 74-98-6
[x] Identical to previous year
r 1 TRADE SECRET
[]Pure [x]Mix []Solid [x]Liquid [x]Gas []EHS
PHYSICAL & HEALTH HAZARDS:  [x] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
Max Amt: 8480 pounds Max Daily Amt code: 03 (1,000 - 9,999 pounds)
Avg Amt: 4240 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)
Max quantity in largest container: 4240 pounds
No. of days on-site: 365
STORAGE CODES & STORAGE LOCATIONS:  Container Type: A Pressure: 2 Temp: 4 Location: AST-Fuel Tank West of Clubhouse Amount: 1000 gallons
Container Type: A Troods of Maint, Bldg Amount: 1000 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Massachusetts requests the following:
*Mode of Shipment: [ ] Trucks [ ] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
[] Trucks [] Tank Trucks [] Tank
Specify other:
Frequency of Shipment: per
Maximum capacity per single vessel:  Max Shipment Qty (lbs):
Max onlymon wy (1897)

Reporting Period: January 1 to December 31, 2009

**Emergency and Hazardous Chemical Inventory** 

Page 3

Printed: March 1, 2010

Specific Information by Chemical

Facility Name: Juniper Hill Golf Course, Inc.	
Ave Qty (lbs): Physical State in Transit: Comments (please provide both the primary and alternate to Carrier:	outes of travel):
CHEM NAME: Soluable Fertilizer - Inorganic Salts	
CAS:	
<ul><li>[x] Identical to previous year</li><li>[ ] TRADE SECRET</li></ul>	
[] Pure [x] Mix [x] Solid [] Liquid [] Gas [] EHS	3
PHYSICAL & HEALTH HAZARDS:	
[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity INVENTORY:	[ ] Immediate (acute) [ ] Delayed (chronic)
Max Amt: 25000 pounds Max Daily Amt code: 04 (10,00	
Avg Amt: 500 pounds Avg Daily Amt code: 02 (100 - 999)  Max quantity in largest container: 25000 pounds	a pounds)
No. of days on-site: 365	
STORAGE CODES & STORAGE LOCATIONS:	
Container Type: J Pressure: 1 Temp: 4 Location: CHEMICALS IN INVENTORY STATE FIELDS:	East End of Maint. Bldg Amount: 25000 pounds
Massachusetts requests the following:	
*Mode of Shipment:	
[ ] Trucks	k Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Frequency of Shipment: per	
Maximum capacity per single vessel:	
Max Shipment Qty (lbs): Ave Qty (lbs):	
Physical State in Transit:	
Comments (please provide both the primary and alternate r	outes of travel):
Carrier:	
·	
FACILITY STATE FIELDS:	·
Massachusetts requires some information located under other ta	ubs.
Requested Contact: Carrier Information	-
STATE / LOCAL FEES: \$375	
ful I have attached a site way	
<ul><li>[x] I have attached a site plan</li><li>[ ] I have attached a list of site coordinate abbreviations</li></ul>	•
[ ] I have attached a description of dikes and other safeguard me	asures
Certification (Read and sign after completing all sections)	townsting submitted in pages one through 2
I certify under penalty of law that I have personally examined and am familiar with the int and that based on my inquiry of those individuals responsible for obtaining this informat	
Dudley W. Darling Vice President	3/1/2010
Name and official title of owner/operator	nature Date signed

Tier Two

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Reporting Period: January 1 to December 31, 2010

Page 1

Printed: March 2, 2011

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NORTHBOROUGH FIRE DEPT.

Facility Name: Juniper Hill Golf Course, Inc.

FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 95

Latitude: 42.3109 Longitude: 71.6277

Method: G0 - GPS (Other)

Description: CE - Center of Facility

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EIN #: 04-2299518

NAICS: 71391 (Golf Courses and Country Clubs)

SIC: 7992 (PUBLIC GOLF COURSES)

CONTACT INFORMATION:

Darling, Dudley

Title: Vice President Contact Type 1: Emergency Contact

ct Contact Type 2: Submitter

Contact Type 3: Regulatory Point of

Address: 202 Brigham St, Northborough, MA, 01532 USA

Phones: Mobile - Cell: 508-612-4578 Work: 508-393-2444

FAX: 508-393-2279

Home: 508-393-1633

20

Email: ddarling@juniperhillgc.com

Ackley, Thomas

Title: Supt. Contact Type 1: Emergency Contact Contact Type 2: Other

Address: 202 Brigham St, Northborough, MA, 01532 USA

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Cullen, Robert

Title: Asst. Supt. Contact Type 1: Emergency Contact Address: 202 Brigham St, Northborough, MA, 01532 USA

Phones: Work: 508-393-3069 FAX: 508-393-8169 Home: 508-791-4457 Mobile - Cell: 508-340-9622

Email: info@juniperhillgc.com

Darling, Thornton

Title: Equip & Maint. Mgr. Contact Type 1: Emergency Contact Address: 202 Brigham St., Northborough, MA, 01532 USA

Phones: Work: 508-393-3069 Mobile - Cell: 508-612-4171 FAX: 508-393-8169 Home: 508-865-4650

Email: info@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[ ] All chemicals in inventory are identical to last year's submission

Emergency and Hazardous Chemical Inventory

[] Tank Trucks

[x] Trucks

Specific Information by Chemical

Page 2 Printed: March 2, 2011

Facility Name: Juniper Hill Golf Course, Inc. CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL) CAS: 86290-81-5 [x] Identical to previous year []TRADE SECRET . [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Max Amt: 9000 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Amt: 4500 pounds Max quantity in largest container: 6000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Location: AST-Fuel Tank East of Cart Garage Temp: 4 Pressure: 1 Container Type: A Location: AST -Fuel Tank East of Maint. Bldg Amount: 500 gallons Temp: 4 Container Type: A Pressure: 1 CHEMICALS IN INVENTORY STATE FIELDS: Massachusetts requests the following: \*Mode of Shipment: [ ] Other (Specify) [] Barge [ ] Pipeline [] Tank Car [] Rail Car [x] Tank Trucks []Trucks Specify other: Frequency of Shipment: 2 per Month Maximum capacity per single vessel: 22140 Max Shipment Qty (lbs): 9225 Ave Qty (lbs): 5068 Physical State in Transit: Liquid Comments (please provide both the preplanned and usual routes of travel): Rt 290 east to Church St, Northboro (Exit 24), right on Church St to Rt 20 east, Rt 20 east for 3/4 miles, turn right on Brigham St, 1 mile to golf course. Carrier: Petersen Oil 75 Crescent St., Worcester, MA 01605 (508) 368-1000 CHEM NAME: Lead Acid Storage Battery CAS: [ ] Identical to previous year []TRADE SECRET [] Pure [x] Mix [x] Solid [x] Liquid [x] Gas [] EHS CHEMICAL COMPONENTS: [ ] EHS, CAS: 7439-92-1, Component: LEAD, 60% Wt [ ] EHS, CAS: 7664-93-9, Component: SULFURIC ACID, 38% Wt PHYSICAL & HEALTH HAZARDS: [x] Fire [] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Max Amt: 5339 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Amt: 5000 pounds Max quantity in largest container: 4077 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 5000 pounds Location: CART GARAGE Pressure: 1 Temp: 4 Container Type: R Location: GROUNDS MAINTENANCE Amount: 1500 pounds Temp: 4 Pressure: 1 Container Type: R CHEMICALS IN INVENTORY STATE FIELDS: Massachusetts requests the following: \*Mode of Shipment: [] Other (Specify) []Barge [ ] Pipeline [] Tank Car [] Rail Car

Reporting Period: January 1 to December 31, 2010

Page 3

mergency and Hazardous Chemical Inventory

Specific Information by Chemical

INVENTORY:

Max Amt: 25000 pounds

Avg Amt: 500 pounds

Printed: March 2, 2011

Facility Name: Juniper Hill Golf Course, Inc.	
Specify other: Frequency of Shipment: 2 per Year Maximum capacity per single vessel: 1948 Max Shipment Qty (lbs): 3568 Ave Qty (lbs): 2756 Physical State in Transit: Solid Comments (please provide both the preplanned and usual routes of travel): Rt 495 north to Rt 9 west(Exit 23B), Rt 9 west 135 west, Rt 135 west for 1.3 miles turn right onto Brigham St, 1 mile to Golf Course. 148 golf carts plus 8 maintenance carts are removed to offsite storage in two shipments at the end of the season ( early December and late December) and are returned in to shipments at the beginning of the next season (February and March). Shipments are made by car haulers holding 24 carts each. Carrier: Cape Cod Express, 1 Express Dr, Wareham, MA 02571,800-642-7539	wo
CHEM NAME: LIQUEFIED PETROLEUM GAS  CAS: 74-98-6  [x] Identical to previous year  [] TRADE SECRET  [] Pure [x] Mix [] Solid [x] Liquid [x] Gas [] EHS  PHYSICAL & HEALTH HAZARDS:  [x] Fire [x] Sudden Release of Pressure [] Reactivity [x] Immediate (acute) [] Delayed (chronic) INVENTORY:  Max Amt: 6784 pounds	
No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Container Type: A Pressure: 2 Temp: 4 Location: AST-Fuel Tank West of Clubhouse Amount: 1000 gallons Container Type: B Pressure: 2 Temp: 4 Location: UST-Fuel Tank West of Maint. Bldg Amount: 1000 gallons CHEMICALS IN INVENTORY STATE FIELDS: Massachusetts requests the following:	
*Mode of Shipment:  [] Trucks [x] Tank Trucks [] Rail Car [] Tank Car [] Pipeline [] Barge [] Other (Specify)  Specify other:  Frequency of Shipment: 1.2 per Month  Maximum capacity per single vessel: 11872  Max Shipment Qty (lbs): 6784  Ave Qty (lbs): 2209  Physical State in Transit: Liquid  Comments (please provide both the preplanned and usual routes of travel): Rt 20 west to Brigham St, right on Brigham st of Golf Course.  Carrier: Suburban Propane 100 Cedar Hill St., Marlborough, MA 01752 (508) 481-1000 emergency (508) 481-1000	St, 1
CHEM NAME: Soluable Fertilizer - Inorganic Salts  CAS:  [x] Identical to previous year  [ ] TRADE SECRET  [ ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas [ ] EHS  PHYSICAL & HEALTH HAZARDS:  [ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)	

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 02 (100 - 999 pounds)

Reporting Period: January 1 to December 31, 2010

Page 4

emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: March 2, 2011

Facility Name: Juniper Hill Golf Course, Inc.	
Max quantity in largest container: 25000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Container Type: J Pressure: 1 Temp: 4 Location: E CHEMICALS IN INVENTORY STATE FIELDS: Massachusetts requests the following: *Mode of Shipment:	east End of Maint. Bldg Amount: 25000 pounds
[x] Trucks [] Tank Trucks [] Rail Car [] Tank Specify other: Frequency of Shipment: 7 per Year Maximum capacity per single vessel: 40000 Max Shipment Qty (lbs): 40000 Ave Qty (lbs): 6066 Physical State in Transit: Solid	outes of travel): Rt 290 east to Exit 24, right on Church St to Rt 20 oolf Course.
FACILITY STATE FIELDS:  Massachusetts requires some information located under other tal Requested Contact: Carrier Information  STATE / LOCAL FEES: \$375	os.
X	asures
Certification (Read and sign after completing all sections)  I certify under penalty of law that I have personally examined and am familiar with the info	rmation submitted in pages one through 4, on, I believe that the submitted information is true, accurate, and complete.
Dudley W. Darling Vice President	Dady W, Oal, 3/1/2011 Date signed
	The state of the s

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical

Reporting Period: January 1 to December 31, 2011

Page 1

Printed: February 1, 2012

Juniper Hill Golf Course, Inc. Facility Name:

FACILITY IDENTIFICATION:

Juniper Hill Golf Course, Inc.

Dept:

202 Brigham Street

Northborough, MA 01532 USA

County: Worcester

Number of employees: 95

Latitude: 42.3109 Longitude: 71.6277 Method: G0 - GPS (Other)

Description: CE - Center of Facility

**IDENTIFICATION NUMBERS:** 

Dun & Bradstreet: 069921237

EIN #: 04-2299518

NAICS: 71391 (Golf Courses and Country Clubs)

SIC: 7992 (PUBLIC GOLF COURSES)

CONTACT INFORMATION:

Darling, Dudley

Title: Vice President Contact Type 1: Emergency Contact Contact Type 2: Submitter

Contact Type 4: Owner / Operator

Address: 202 Brigham St, Northborough, MA, 01532 USA

Email: ddarling@juniperhillgc.com

Phones: Mobile - Cell: 508-612-4578 Work: 508-393-2444

FAX: 508-393-2279

Home: 508-393-1633

Contact Type 3: Regulatory Point of

Ackley, Thomas

Title: Supt. Contact Type 1: Emergency Contact Contact Type 2: Other

-Address: 202 Brigham St, Northborough, MA, 01532 USA

Phones: Work: 508-393-3069 Mobile - Cell: 508-612-3617 FAX: 508-393-8169 Home: 508-393-4594

Email: tackley@juniperhillgc.com

Cullen, Robert

Title: Asst. Supt. Contact Type 1: Emergency Contact Address: 202 Brigham St, Northborough, MA, 01532 USA

Phones: Work: 508-393-3069 FAX: 508-393-8169 Home: 508-791-4457 Mobile - Cell: 508-340-9622

Email: info@juniperhillgc.com

Darling, Thornton

Title: Equip & Maint. Mgr. Contact Type 1: Emergency Contact Address: 202 Brigham St., Northborough, MA, 01532 USA

Phones: Work: 508-393-3069 Mobile - Cell: 508-612-4171 FAX: 508-393-8169 Home: 508-865-4650

Email: info@juniperhillgc.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

COSTIVAL.

FEB 012012 WORTHBOROUGH FIRE DEPT

Printed: February 1, 2012

Juniper Hill Golf Course, Inc. Facility Name: CHEM NAME: GASOLINES: AUTOMOTIVE (<4.23G LEAD/GAL) CAS: 86290-81-5 [x] Identical to previous year [] TRADE SECRET []Pure [x] Mix [] Solid [x] Liquid [] Gas [] EHS PHYSICAL & HEALTH HAZARDS: [x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Max Amt: 9000 pounds Avg Amt: 4500 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Max quantity in largest container: 6000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Amount: 1000 gallons Pressure: 1 Temp: 4 Location: AST-Fuel Tank East of Cart Garage Container Type: A Location: AST -Fuel Tank East of Maint. Bldg Amount: 500 gallons Container Type: A Pressure: 1 Temp: 4 CHEMICALS IN INVENTORY STATE FIELDS: Massachusetts requests the following: \*Mode of Shipment: [ ] Pipeline []Barge [ ] Other (Specify) [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Trucks Specify other: Frequency of Shipment: 2 per Month Maximum capacity per single vessel: 22140 Max Shipment Qty (lbs): 9225 Ave Qty (lbs): 5068 Physical State in Transit: Liquid Comments (please provide both the preplanned and usual routes of travel): Rt 290 east to Church St, Northboro (Exit 24), right on Church St to Rt 20 east, Rt 20 east for 3/4 miles, turn right on Brigham St, 1 mile to golf course. Carrier: Petersen Oil 75 Crescent St., Worcester, MA 01605 (508) 368-1000 CHEM NAME: Lead Acid Storage Battery CAS: [ ] Identical to previous year []TRADE SECRET [ ] Pure [x] Mix [x] Solid [x] Liquid [x] Gas [ ] EHS CHEMICAL COMPONENTS: [ ] EHS, CAS: 7439-92-1, Component: LEAD, 60% Wt [ ] EHS, CAS: 7664-93-9, Component: SULFURIC ACID, 38% Wt PHYSICAL & HEALTH HAZARDS: [x] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [x] Delayed (chronic) INVENTORY: Max Daily Amt code: 03 (1,000 - 9,999 pounds) Max Amt: 5339 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds) Avg Amt: 5000 pounds Max quantity in largest container: 4077 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Location: CART GARAGE Amount: 5000 pounds Pressure: 1 Temp: 4 Container Type: R Location: GROUNDS MAINTENANCE Amount: 1500 pounds Container Type: R Pressure: 1 Temp: 4 CHEMICALS IN INVENTORY STATE FIELDS: Massachusetts requests the following: \*Mode of Shipment: [ ] Other (Specify) [ ] Tank Car [ ] Pipeline []Barge [x] Trucks [] Tank Trucks [ ] Rail Car

Reporting Period: January 1 to December 31, 2011

Page 3

Jency and Hazardous Chemical Inventory

µecific Information by Chemical

Printed: February 1, 2012

Juniper Hill Golf Course, Inc. Facility Name:

Specify other:

Frequency of Shipment: 2 per Year

Maximum capacity per single vessel: 1948

Max Shipment Qty (lbs): 3568

Ave Qty (lbs): 2756

Physical State in Transit: Solid

Comments (please provide both the preplanned and usual routes of travel): Rt 495 north to Rt 9 west(Exit 23B), Rt 9 west to Rt 135 west, Rt 135 west for 1.3 miles turn right onto Brigham St, 1 mile to Golf Course. 148 golf carts plus 8 maintenance carts are removed to offsite storage in two shipments at the end of the season (early December and late December) and are returned in two shipments at the beginning of the next season (February and March). Shipments are made by car haulers holding 24 carts each.

Carrier: Cape Cod Express, 1 Express Dr. Wareham, MA 02571,800-642-7539

CHEM NAME: LIQUEFIED PETROLEUM GAS
CAS: 74-98-6
[x] Identical to previous year
[]TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [x] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [x] Sudden Release of Pressure [] Reactivity [x] Immediate (acute) [] Delayed (chronic)
INVENTORY:
Max Amt: 6784 pounds
Avg Amt: 4475 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)
Max quantity in largest container: 3392 pounds
No. of days on-site: 365
STORAGE CODES & STORAGE LOCATIONS:
Container Type: A Pressure: 2 Temp: 4 Location: AST-Fuel Tank West of Clubhouse Amount: 1000 gallons
Container Type: B Pressure: 2 Temp: 4 Location: UST-Fuel Tank West of Maint. Bldg Amount: 1000 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
Massachusetts requests the following:
*Mode of Shipment:
[ ] Trucks [x] Tank Trucks [ ] Rail Car [ ] Tank Car [ ] Pipeline [ ] Barge [ ] Other (Specify)
Specify other:
Frequency of Shipment: 1.2 per Month
Maximum capacity per single vessel: 11872
Max Shipment Qty (lbs): 6784
Ave Qty (lbs): 2209
Physical State in Transit: Liquid
Comments (please provide both the preplanned and usual routes of travel): Rt 20 west to Brigham St, right on Brigham St, 1
mile to Golf Course.
Carrier: Suburban Propane 100 Cedar Hill St., Marlborough, MA 01752 (508) 481-1000 emergency (508) 481-1000
Camer, Subdictant Topane 100 Sedar fill St., Manbolough, MA 01702 (500) 401-1000 emergency (500) 401-1000
CHEM NAME: Soluable Fertilizer - Inorganic Salts
CAS:
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)
INVENTORY:
Max Amt: 25000 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)
Avg Amt: 500 pounds Avg Daily Amt code: 02 (100 - 999 pounds)

Printed: February 1, 2012

Facility Name: Juniper Hill Golf Course, Inc.	
Max quantity in largest container: 25000 pounds No. of days on-site: 365 STORAGE CODES & STORAGE LOCATIONS: Container Type: J Pressure: 1 Temp: 4 Location: CHEMICALS IN INVENTORY STATE FIELDS: Massachusetts requests the following: *Mode of Shipment:	East End of Maint. Bldg Amount: 25000 pounds
[x] Trucks [] Tank Trucks [] Rail Car [] Tank Specify other: Frequency of Shipment: 7 per Year Maximum capacity per single vessel: 40000 Max Shipment Qty (lbs): 40000 Ave Qty (lbs): 6066 Physical State in Transit: Solid	routes of travel): Rt 290 east to Exit 24, right on Church St to Rt 20 Golf Course.
FACILITY STATE FIELDS:  Massachusetts requires some information located under other ta Requested Contact: Carrier Information	bs.
STATE / LOCAL FEES: \$375	
<ul><li>[x] I have attached a site plan</li><li>[ ] I have attached a list of site coordinate abbreviations</li><li>[ ] I have attached a description of dikes and other safeguard me</li></ul>	asures
Certification (Read and sign after completing all sections)  I certify under penalty of law that I have personally examined and am familiar with the inf and that based on my inquiry of those individuals responsible for obtaining this information.	
Dudley W. Darling Vice President  Name and official title of owner/operator OR owner/operator's authorized representative sig	Date signed



The Commonwealth of Nassachusetts

Executive Office of Public Safety

Department of Fire Services-Office of the State Fire Marshal

P.O. Box 1025, State Road, Flow, Mcd 01775



Date: 3/5/99 C. 82 S.40 M.G.L.

# DIG SAFE NUMBER APPLICATION FOR PERMIT

C. 82 S.40 M.G.L.	
To: Head of Fire Department: $NORTHBORO$	
In accordance-with the provisions of Chapter 148, M.G.L. as provided in Section application is hereby made by:	
Name (JUNIPER HILL GOLF COURSE INC.)	
Address: 202 BRIGHAM-ST, NORTHBORD MA 01532 (Sire or PO Bax)	
R75 GALLONS OF DIESEL FUEL	
State clearly the purpose for which the permit is requested: FOR USE IN VEHICLES	

Certificate of Competency #:

MAINTI BUILDING

By: Aree Due { } Amount: 3.5

Name of competent operator if applicable: DiDL=V(U)DRC/U By: C

Ougas.

Date of Expiration:
Applicant Signatures

202 BRIGHAM STREE

Location:

1080066

Fire Department Number:



# The Commonwealth of Massachusetts Department of Fire Services

# Department of Fire Services Office of the State Fire Marshal



3/5/99

Date:

P. O. Box 1025 State Road, Stow, MA 01775

#### **PERMIT**

	ORTHBOROUGH (City of Town) ance with the provisions of	Permit No 199900000301  (If Applicable MGL 148 , as provided)	· .	Dig Safe Number  Start Date
This Perm	nit is granted to:			
		Full name of person, Firm or Corporation		
Permissio	n to See comments of	n permit.		
Comments:	Name: JUNIPER HILL Temp. diesel storage pe Phone: Paid by Check, 1747. P	rmit for 275 gall tank located at new AST		
Restrictions:	See comments on permi	t.		
at 202 BR	GHAM ST. NORTHBO	ROUGH MA 01532		
Fee Paid \$	( Give location by st	reet and no., or describe in such manner as to pr	ovied adequate identificati	on of location )
		(Signature of offical granting permit)	Offical granting permi	t (Title)
This Permit v	vill expire 09/01/1999			





# The Commonwealth of Massachusetts Department of Fire Services Office of the State Fire Marshal



Date: \_12/9/99

P. O. Box 1025 State Road, Stow, MA 01775

#### **PERMIT**

In accord	NORTHBOROUGH ( City of Town ) lance with the provision	Permit No 199900001040  (If Applicable of M.G.L. Chapter MGL 148, as provided	) in Section10A	Dig Safe Number Start Date
This Pern	nit is granted to:	Full name of person, Firm or Corporation		, <u>, , , , , , , , , , , , , , , , , , </u>
Permissio	on toInstall and S	tore LPG for Residential Usage, Heat/Hot Water	/Cooking	
	-			
Comments:	Name: JUNIPER HI suburban propane Phone: Paid by Check, 3317	LL G.C . Paid on 12/09/1999.		
Restrictions:	In compliance with a	ll applicable laws and regulations. Not to exceed	quantities listed.	
at 202 BR	IGHAM ST. NORTH	BOROUGH MA 01532		
Fee Paid \$	( Give location b	y street and no., or describe in such manner as to pro	ovied adequate identification	n of location)
		( Signature of offical granting permit )	Offical granting permit	( Title )
This Permit	will expire			







# The Commonwealth of Massachusetts

#### Department of Fire Services Office of the State Fire Marshal



2/23/00

Date:

P. O. Box 1025 State Road, Stow, MA 01775

#### PERMIT

	NORTHBOROUGH ( City of Town ) ance with the provisions of	Permit No 200000000242  (If Applicable M.G.L. Chapter MGL 148 , as provide	d in Section 10A	Dig Safe Number
	nit is granted to:			Start Date
		Full name of person, Firm or Corporation		
Permissio	n to Install and Stor	e LPG for Residential Usage, Heat/Hot Water	r/Cooking	
Comments:	Name: JUNIPER HILL by surburban, 1000gal Phone:			,
	Paid by Cash, . Paid on	02/23/2000.	···	
Restrictions:	In compliance with all a	pplicable laws and regulations. Not to exceed	l quantities listed.	
at 202 BRI	IGHAM ST. NORTHBO	ROUGH MA 01532		
	( Give location by st	reet and no., or describe in such manner as to pr	ovied adequate identification	on of location )
Fee Paid \$	25.00		, 1	···· ,
		(Signature of offical granting permit)	Offical granting permi	t (Title)
This Permit w	vill expire	,	0 01	, 22020 ,



# The Commonwealth of Massachusetts Department of Public Safetry - Office of the State Fire Marshal

The state of the State Stateshall
APPLICATION FOR PERMIT
To Maintain an Existing/New Storage Tank Facility Regulated under 527 CMR 9.00
To: Head of Fire Department City, town or district: NORTHBORO Date: 7/7/00
Application is hereby made for a permit to maintain an existing/new storage tank facility as required by 527 CMR 9.00:
Location of property: 202 BRIGHAM ST
Street address
Owner of property: JUNIPER HILL GOLF COURSE, INC.
Full name of person, firm or corporation
Number of storage tanks:/_ aboveground underground
Signature of owner or authorized representative: Duly W. Down DUDGEY W. DARCING Fee paid: \$ 25,00 (M.G.L. Chapter 148 section 104)  VICE PRES
Fee paid: \$
(Fire Department's copy – To be filed with FP-290, Part 1)

The Commonwealth of Massachusetts Department of Public Safetry - Office of the State Fire Marshal

## PERMIT

To Maintain an Existing/New Storage Tank Facility for Storage Tanks Regulated under 527 CMR 9.00

not otolage Taliks negulated	under 527 CMR 9.00
In accordance with the provisions of 527 CMR 9.00 this permis granted to:	t to maintain an existing/new storage tank facility
Location of property:Street Northbo	rough, MA 01532 .
Owner of property:	et address N.C.
Full name of po	arson, firm or corporation
Number of storage tanks: aboveground	
Facility to be maintained in accordance with the restrictions de	
To store above ground, one one thousand	gallon gasoline tank. Not to
exceed one thousand gallong	orm to 527 CMR 9, Chap 48/148.
Code of Northborough regulations.	
Fee paid: \$ (M.G.L. Chapter 148, section 10A)	NORTHBOROUGH FIRE BELLATIVENT
This permit will expire 10/14/2004	11 PICAGA DEPERT
Date	Signature of Head of Fire Dand
	Signature of Head of Fire Department or appointed designee

(Owner's copy - To be posted at the storage facility)



# Commonwealth of Massachusetts - Department of Fire Services Executive Office of Public Safety - UST Regulatory Compliance Unit

Notification for Storage Tanks F	legulated Under 52	27 CMR 9.00
Forward completed form, signed by local fire department, to: Mass. of Fire Services, P.O. Box 1025 - State Road, Stow, MA 0177. Use Form FP-290R to notify of tank removals or closures in place Telephone (978) 567-3710  (Fire Department retains one copy of FP-290)  A. New Facility (see instructions, #1)  X. B. Amended  INSTRUCTIONS: Form FP-290 (Notification for Aboveground and Underground Storage Telepholocation containing underground or aboveground storage and tanks regulated under 527 Clanks are owned at this location, photography the form may be photocopied, the facility owner ceign each copy separately; photocopied signatures are not sufficient. Both copies of the to the local fire department, who will phock all information and certify the forms. The copy of the FP-290 for its records, and the facility owner shall be responsible for forward to the form the form the form of the FP-290 for its records, and the facility owner and checked by the UST in All questions on this form are to be until the FP-290 is received and checked by the UST in All questions on this form are to be until the FP-290 in the forms are to be provided the complete thanks have not been previous 2 Facility street address must include both a street number and a street name. Post office acceptable, and will cause a registration to be returned. If geographic location of facility is distance and direction from closest intersection, e.g., (facility at 199 North Street is located commons Road (intersection).	Date Fire I  C. Renewal  Mks) is to be completed for MR 9.00. If more than five at to the form. The FP-290 or owner's representative must FP-290 are to be forwarded fire department will retain one ling the other copy to the noit portion of the FP-290; tegulatory Compliance Unit.  Y located.  Door numbers are not not provided, please indicate of the power	Pept. Use Only  Received: 07-10-2000  Dept. ID# 27815  Dept. Sig. 2222 In. Alwari  Peuse Only  acility Number ate Entered lerk's Initials omments
GENERAL IN	CONTRACTOR AND	
Notification Required Fire Prevention Form FP-290 is to be used as Notification, Registration, and Permit for aboveground and underground storage tanks and tank facilities regulated under 527 Code of Massachusetts Regulations 9.00. No regulated aboveground or underground storage tank facility shall be installed, maintained, replaced, substantially modified or removed without a permit (FP-290) issued by the head of the local fire department. The owner of any storage facility shall within seven working days notify the head of the local fire department and the Dept. of Fire Services of any change in the name, address, or telephone number of the owner or operator of a storage facifity subject to regulation by Chapter 148, Mass. General Law and by 527 CMR 9.00.  Underground Storage Tanks Each owner of an underground tank first put into operation on or after Jan. 1, 1991, shall, within thirty days after the tank is first put into operation, notify the Department of Fire Services (the department) of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, location, and uses of such tank. By no later than Jan. 31, 1991, each owner of an underground storage tank that was in operation at any time after Jan. 1, 1974, regardless of whether or not such tank was removed from beneath the surface of the ground at any time, shall notify the department of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, and location of the tank, and the type and quantity of substances stored in such tank, specifying, to the extent known, the owner of the ground prior to the submittal of such notice to the department. Such notice shall also specify, to the extent known, the date the tank was removed from beneath the surface of the ground prior to the submittal of such notice to the department. The operator of any tank that has no owner or ownership of the tank, and date of installation, capacity, type, and loca	fuel for noncommercial purposes, or (b) a tar use on the premises where stored are not to a civil penalty not to exceed \$25,000 for which laise Information is submitted. (MGL Aboveground Storage Tanks 527 CMR 9.00 requires the registration of following definition: a horizontal or vertical capacity, that is intended for fixed installating the storage of Hazardous Substar Combustible Liquids.  Exception #1: Aboveground tanks of more than 12.00 (Requirements for the Installation of Excess of 10,000 Gallons) are not required Exception #2; (a) a farm or residential tank motor fuel for noncommercial purposes, consumptive use on the premises where significant one hundred dollars nor more than or 10B, and 527 CMR 9.00)  Where to Notify? Two completed notification and the local fire department. One copy will owner shall send a separate copy to the aim with the complete of the Regulated Scentifying that all leak detection, invente for the Regulated Storage Tank System available for inspection.	on without back fill above or below grade, and is nices, Hazardous Wastes, or Flammable or land 10,000 gallons capacity regulated by 520 CMR if Tanks Containing Fluids Other Than Water in it to be registered under 527 CMR 9.00.  of 1,100 gallons or less capacity used for storing or (b) a tank used for storing heating oil for lored are not required to be registered under 527 es any rule or regulation made by the Board of Fire terwise provided, be punished by a line of not less he thousand dollars. (MGL, Chapter 148, section on forms should be signed by both the tank owner ill be retained by the fire department, and the tank ddress at the top of this page.  ks in use or that have been taken out of operation torage Tank Systems must maintain records by control and tightness testing requirements in are current. These records must be readily
I. OWNERSHIP OF TANK(S)	II. Location	on of Tank(s)
Owner Name (Corporation, Individual, Public Agency, or Other Entity)	If known, give the geographic loca seconds. Example: Lat. 42, 36, 12	tion of tanks by degrees, minutes, and N Long. 85, 24, 17W
Juniper Hill Golf Course, Inc.	Latitude <u>42,18,43N</u>	• •
202 Brigham St.	300 yards south Distance and direction from closest intersect	of Collins Rd and on (see instructions #2)
	Juniper Hill Gol- Facility Name or Company Site Identifier, as	Brigham Straide Riverside
Northboro , MA 01532	202 Brigham St. Street Address (P.O. Box not acceptable - se	ee instructions #2)
Worcester	Northboro, MA	01532 State Zip Code
(508) 393-2444 04-2299518	Worcester	Otate Ep 0000
Phone Number (Include Area Code) Owner's Employer Federal ID #	County	

Owner's Employer Federal ID #

Phone Number (Include Area Code)

III. Type (			V. I	NDIAN L	ANDS		
☐ Federal Government		Tanks are located on land within an Indian Reservation or on					
☐ State Government	(storage and sale)		ther trust lands.	l hv nat	live Ameri	can nation, tribe,	or individual.
☐ Local Government	(storage and use)			by Ha	are milen		
		V. Type o	F FACILITY				.*
Select the Appropriate Fac	cility Description: (check	all that apply	<b>'</b> )				
Gas Station		Marina			ng/Transpor	t	
Petroleum Distributor Railroad Utilities  Airport Federal - Military Residential							
Airport _ Aircraft Owner		recerar - Militar Industrial	,	Farm	mai		•
Vehicle Deale		Contractor	_ <u>x</u> _	Other (	explain) _	Golf Cours	e
	VI. CONTAC	T PERSON	IN CHARGE	OF	TANKS		
Dudlor W D						mber (include area	code):
Name: <u>Dudley W. Dans</u>		ss. 2 Brighar	n St			08) 393-33	
Job Title: Vice Pres	140	_	MA 01532		Business:	<u>(508) 393–</u>	2444
			Responsib	ILITY			
						7 CMP 9 00	
☐ I hav	re met the financial resp	oonsibility requ	uirements in acc	:oruani 1			
Check all that apply:							
☐ Self Insurance		Guarantee		i	□ Let	tter of Credit	
XX Commercial Insura	ance   □	Surety Bond					
☐ Risk Retention Gro	oup   □	State Fund			ved - Specify		
	VIII. Env	IRONMENT	AL SITE INF	ORM	MOITA		
This information should b	e available from local h	ealth agent, c	onservation con	nmissio	on, or plan	ning department	•
1	in wellhead protection		•		No □ Uni		
· ·	in surface drinking wat		ection area	Yes 🗶	No □ Uni	rnown	
	within 100 feet of a we			Yes X	] No □ Unl	known	
4	within 300 feet of a stre		body 🗆	Yes X	No □ Unl	known	
	ON OF STORAGE			OMPLE	TE FOR EAC	CH TANK AT THIS L	OCATION)
Tank Identification Numb		ank No1	Tank No		No	Tank No	Tank No
1. Tank status	s serial # (if known)	M581046			•		
a, rain iiii	b. Currently in Use	X					
c. Temporarily Out	of Use (Start Date)						
	nanently Out of Use		``.				
e. Aboveground st	( .1. (4.07)	X AST UST	□ AST □ UST	□ A:	ST 🗆 UST	□ AST □ UST	☐ AST ☐ UST
2. Date of Installation (mo	o./day/yr.)	11/18/98					
3. Estimated Total Capac	ity (gallons)	1000					

FP-290 (revised 11/96)

Page 2

ank Identification Number (cont.)	Tank No1_	Tank No	Tank No	Tank No	Tank No
4. Substance Currently or Last Stored					
a. Gasoline	X			☐ MV ☐ Marina	☐ MV ☐ Marina
Motor vehicle or other use	X MV □ Marina □ other	☐ MV ☐ Mariná ☐ other	☐ MV ☐ Marina ☐ other	□ mv □ manna □ other	other
b. Diesel					
Motor vehicle or other use	☐ MV ☐ Marina ☐ other	☐ MV ☐ Marina ☐ other			
c. Kerosene					
d. Fuei Oil*					
"Consumptive Use" tanks need not be registered. "Consumptive Use" fuel used exclusively for area					
heating and/or hot water.		<u> </u>			
e. Waste Oil					<u> </u>
f. Other, Please specify					
Hazardous Substance					
(other than 4a thru 4e above)					
CERCLA name and/or					
CAS number					
Mixture of Substances					
Please specify		<u></u>			
	<u> </u>				
Table (mark only on					
5. Material of Construction - Tank (mark only one	7)				,
Bare steel (includes asphalt, galvanized and epoxy coated)	X				
Cathodically protected steel					
Composite (steel with fiberglass)					
Fiberglass reinforced plastic (FRP)					
Concrete					
Unknown					
Other	X			<b> </b>	
Please specify	<u>Vaulted</u> tank				
a Taraka Tark				<u>                                     </u>	
6. Type of Construction-Tank (mark only one)					
Single walled	X				
Double walled					
Unknown					
Other					
Please specify					
	₩ Yes □ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Is tank lined?	"				. ☐ Yes ☐ No
Does tank have excavation liner?	☐ Yes 🌠 No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	D 182 D 140

ank Identification Number (cont.)	Tank No1_	Tank No	Tank No	Tank No	Tank No
7. Material of Construction - Piping (mark only one					,
Bare steel (includes asphalt, galvanized and epoxy coated)	X				
Cathodically protected steel					
Fiberglass reinforced plastic (FRP)					
Flexible					
Copper					
Unknown					
Other					
Please specify					
Type of Construction - Piping (mark only one)     Single walled	X				
Double walled					
- Unknown					
Other					
Please specify		,			
Has piping been repaired?	□ Yes DXNo	□ Yes □ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Is piping gravity feed?	☐ Yes DXNo	□ Yes □ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Date		,			-
	. CERTIFICA	TION OF CO	MPLIANCE		
	. CERTIFICA	TION OF CO	MPLIANCE		
1. Installation     A. Installer certified by tank and piping manufacturers	X. CERTIFICA	TION OF CO	MPLIANCE		
Installation     A Installer certified by tank and piping		TION OF CO	MPLIANCE		
Installation     A. Installer certified by tank and piping manufacturers     B. Installer certified or licensed by the	х	TION OF CO	MPLIANCE		
Installation     A. Installer certified by tank and piping manufacturers     B. Installer certified or licensed by the implementing agency     C. Installation inspected by a registered	х	TION OF CO	MPLIANCE		
Installation     A. Installer certified by tank and piping manufacturers     B. Installer certified or licensed by the implementing agency     C. Installation inspected by a registered engineer     D. Installation inspected and approved by	X	TION OF CO	MPLIANCE		
Installation     A. Installer certified by tank and piping manufacturers     B. Installer certified or licensed by the implementing agency     C. Installation inspected by a registered engineer     D. Installation inspected and approved by the implementing agency     E. Manufacturers' installation checklists	X X	TION OF CO			
1. Installation  A. Installer certified by tank and piping manufacturers  B. Installer certified or licensed by the implementing agency  C. Installation inspected by a registered engineer  D. Installation inspected and approved by the implementing agency  E. Manufacturers' installation checklists have been completed  F. Another method allowed by 527 CMR	X X	Tank	Tank	Tank	Tank
1. Installation A. Installer certified by tank and piping manufacturers B. Installer certified or licensed by the implementing agency C. Installation inspected by a registered engineer D. Installation inspected and approved by the implementing agency E. Manufacturers' installation checklists have been completed F. Another method allowed by 527 CMR 9.00. Please specify  2. Tank Leak Detection	X			Tank	
<ol> <li>Installation         <ul> <li>A. Installer certified by tank and piping manufacturers</li> <li>B. Installer certified or licensed by the implementing agency</li> <li>C. Installation inspected by a registered engineer</li> <li>D. Installation inspected and approved by the implementing agency</li> <li>E. Manufacturers' installation checklists have been completed</li> <li>F. Another method allowed by 527 CMR 9.00. Please specify</li> </ul> </li> <li>Tank Leak Detection (mark only one)</li> </ol>	X X X X Tank			Tank	
1. Installation A. Installer certified by tank and piping manufacturers B. Installer certified or licensed by the implementing agency C. Installation inspected by a registered engineer D. Installation inspected and approved by the implementing agency E. Manufacturers' installation checklists have been completed F. Another method allowed by 527 CMR 9.00. Please specify  2. Tank Leak Detection (mark only one) A. Double-wall tank - Interstitial monitoring	X X X X X X X X X X X X X X X X X X X			Tank	
<ol> <li>Installation         <ul> <li>A. Installer certified by tank and piping manufacturers</li> <li>B. Installer certified or licensed by the implementing agency</li> <li>C. Installation inspected by a registered engineer</li> <li>D. Installation inspected and approved by the implementing agency</li> <li>E. Manufacturers' installation checklists have been completed</li> <li>F. Another method allowed by 527 CMR 9.00. Please specify</li> </ul> </li> <li>Tank Leak Detection (mark only one)</li> <li>A. Double-wall tank - Interstitial monitoring</li> <li>B. Approved in-tank monitor</li> </ol>	X X X X X X X X X X X X X X X X X X X			Tank	
1. Installation A. Installer certified by tank and piping manufacturers B. Installer certified or licensed by the implementing agency C. Installation inspected by a registered engineer D. Installation inspected and approved by the implementing agency E. Manufacturers' installation checklists have been completed F. Another method allowed by 527 CMR 9.00. Please specify  2. Tank Leak Detection (mark only one) A. Double-wall tank - Interstitial monitoring B. Approved in-tank monitor C. Soil vapor monitoring (check one below)	X X X X X Tank X X			Tank	Tank

. . . .

ank Identification Number (cont.)	Tank N	o. <u>1</u>	Tank N	10	Tank No	D	Tank No	o	Tank No	o
3. Piping Leak Detection (mark only one)		Piping		Piping		Piping		Piping		Piping
A. Pressurized		i.								
a. Interstitial space monitor										
<ul> <li>b. Product line leak detector</li> <li>(mark all that apply below)</li> </ul>										
☐ Automatic flow restrictor*										
☐ Automatic shut-off device*										
☐ Continuous alarm*										
<ul> <li>Also requires annual test of device and piping tightness test or monthly vapor</li> </ul>										
monitoring of soil.										
B. Suction: Check valve at tank only		x					•			
(Requires interstitial space monitor or line tightness test every three years)		بن		ا ا						<u> </u>
Interstitial space monitor										
☐ Line tightness test										
C. Suction: Check valve at dispenser only										
(No monitor required)				<u> </u>	////				<u> </u>	
D. Other method allowed by 527 CMR										
9.00. Please specify										
4. Date of last tightness test (tank & piping)						1			77777	
5. Gravity feed piping										
-	Tank	77777	Tank	V/////	Tank	7////	Tank		Tank	
6. Spill containment and overfill protection					,					
A. Spill containment device installed										
B. Overfill prevention device installed										
7. Daily Inventory Control (mark only one)										
A. Manual gauging by stick and records reconciliation										
B. Mechanical tank gauge and records	$\mathbf{x}$									
reconciliation										
C. Automatic gauging system				<u>/////</u>						Dising
8. Cathodic Protection (if applicable)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
A. Sacrificial Anode Type										
B. Impressed Current Type										
C. Date of Last Test										
Certification of Compliance No.:										
XI. CERT	FICAT	ON (Re	ad and sig	n after con	npleting all	sections)				
NOTE: Both the copy being sent to the Dept. of Fire Services and accepted on either document.	the copy re	tained by th	e local fire	department	must be sign	ned separat	ely. A photo	copied sig	nature will no	ot be
I declare under penalty of perjury that I have personally examined inquiry of those individuals immediately responsible for obtaining	and am fai	miliar with t	he Informati	on submitted	d in this and	all attached	d documents	s, and that	based on my	,
Name and official title of owner or owner's authorized representat		Signature:		JUNIAGO ON		20, 400014	,		ate:	
Dudley W. Darling Vice Pres		5	2	w.	O a.	R'			7/9/00	,

#### 527 CMR: BOARD OF FIRE PREVENTION REGULATIONS

4.03: continued

#### The Commonwealth of Massachusetts Department of Public Safety

#### 527 CMR 4.00 - Form 1

Application for Permit, Permit, and Certificate of completion for the Installation or Alteration of Fuel Oil Burning Equipment and the Storage of Fuel Oil

700000	(City or Town)	4/14/00
130RUER ROOCS73 TANK ROOCOS75	(City or Town)	(Date)
Permit #s: FD Elec. NEW (ONST.	FDID#: 27215 Fee Paid:	5000
Owner/Occupant Name: TUNIPER 1410	Tel #:	
Installation Address: ROR BRIGHAM	RO Serviced Floor or Unit #: /	+3
Heating Unit Domestic Water Heater Durner: New Existing Location:		
Trade Name: <u>CARLIN</u>	Mfg: SLAME	
Type: Model # or Size:  Fuel Oil	5 (2000 Nozzle Size: 4	5.6
Type: STEEL Capacity: 660	gals. No. of Tanks:	
Special requirements (or additional safety devices)		
OSV Valve Soil line protected Sheet Rock C  Co. Name:   Co. Name:   SWORD ST  Co. Address:   Co. Name:   Co. Name:	(Furnace and boilers) (Wat 14 CORIP Tel # 508 754	er heater) 7366.
•	City: <u>770807</u> 77 Zip:	
Completion Date:		
Combustion Test: Gross Stack Temp.:	Net Stack Temp.:	
CO <sup>2</sup> Test:	Breech Draft:	•
Smoke: Overfire Draft:	Efficiency rating %:	
l, the undersigned certify that the installation of fuel burning equipment currently in effect. Furthermore, this installation has been tested in acco- complete instructions as to its use and maintenance have been furnished to the	tuance with such requirements, is now in proper operation of alteration was man	ng condition and
Installer: <u>CLIFTON BKELLEY</u> Print Name Cert of	25711 Clifton	B Kelley
Print Name Cert of	C# Signature (no Stamp)	· · · · · · · · · · · · · · · · · · ·
Address: 77 CRYSTAL ST	—— City: NC 种植成质面格以用形式	EPARTMENT
Once signed by the fire department, this is a PERMIT		
	te:	
New Unginal as annigation lesse diminate	25 normale Think	

4.03: continued

#### The Commonwealth of Massachusetts Department of Public Safety

527 CMR 4.00 - Form 1

Application for Permit, Permit, and Certificate of completion for the Installation or Alteration of Fuel Oil Burning Equipment and the Storage of Fuel Oil

BURNER 120000375	NORTHIBU	OROUGH $4/5/0$ (Date)	O
TANK RODUCTTY	(City or Town)	(Date)	
Permit #'s: FD Elec. 1	VEN CONST. FDID#: 272	215 Fee Paid: 5000	
Owner/Occupant Name: JUN /	PER HILLS	Tol #-	
Installation Address: 300 8	R16HAI1 RD Service	ed Floor or Unit #: 1/2	
Heating Unit Domestic Wat	er Heater	Other	
Trade Name: C. +RL//	Mfg: 5,7	ME	
Type: Moo Fuel Oil	del # or Size: 450	Nozzle Size: 5. C	
Type: 57EEC Capacit	y: <u>660</u> gals. No	of Tanks:	
Special requirements (or additional sa			
□OSV Valve ☑Oil line protected ←  Co. Name: ☐ ENERAL /  Address: ② 9	Furna	ce and boilers) (Water heater)    # 508 754 736 6   Zip:	-
Combustion Test: Gross Stack Temp	:: Net Stack Te	emp.:	
CO <sup>2</sup> Test:	Breech Draft	::	
Smoke: Overfire Draft:	Efficiency rat	ting %:	
, the undersigned certify that the installation of fue currently in effect. Furthermore, this installation has complete instructions as to its use and maintenance have	el burning equipment has been made in accor	rdance with M.G.L. c. 148 and 527 CMR 4.00 ments, is now in proper operating condition and	Vc4
Print Name	Cert of C#	Signature (no Stamp)	1
Address: _/ / ( \( \frac{1}{1} \) \( \frac{1} \) \( \frac{1}{1} \) \( \frac{1} \) \( \frac{1}{1} \) \( \frac{1}{1} \) \( \frac{1}{1} \) \( \frac{1}{1} \) \( \frac{1} \)	City:	EILES TER	
Once signed by the fire department, this	MODI	THBOROUGH FIRE DEPARTMENT THE ET OF BUILDING EQUIPMENT.	
Approved by:	Date:NORT	<u> THBOROUGH,</u> MA 01532	
Keep Onginal as application	m. issue duplicate as permit. This:form t	may(bephotocopiedA) /5/18/ 303.1530	



# The Commonwealth of Massachusetts Department of Fire Services

# Office of the State Fire Marshal



Date:

P. O. Box 1025 State Road, Stow, MA 01775

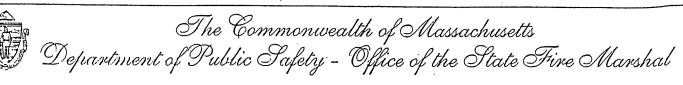
#### PERMIT

N	NORTHBOROUGH	Permit No 2001000000247		Dig Safe Number
	(City of Town)	( If Applicable		Dig Saite Humber
In accorda	ance with the provisions of M	I.G.L. Chapter MGL 148, as provide	ed in Section 10A	Start Date
This Perm	nit is granted to:			
		Full name of person, Firm or Corporation		
Permission	n to Install and Store	LPG for Residential Usage, Heat/Hot Wate	er/Cooking	
		`		
Comments:	Name: JUNIPER HILL C Renew permit- commercia Phone: Paid by Check, . Paid on C	ll facility		
Restrictions:	In compliance with all app	olicable laws and regulations. Not to excee	d quantities listed.	
at 202 BRI	GHAM ST. NORTHBORG	OUGH MA 01532		
	( Give location by stre	et and no., or describe in such manner as to p	rovied adequate identifica	tion of location)
Fee Paid \$	25.00	-		,
		( Signature of offical granting permit )	Offical granting pern	nit (Title)
This Permit w	vill expire 03/21/2002		5 6.	

The Commonwealth of Massachusetts

Department of Public Safetry - Office of the State Fire Marshal

APPLICATION FOR PERMIT  To Maintain an Existing/New Storage Tank Facility Regulated under 527 CMR 9.00
To: Head of Fire Department City, town or district: Northborough Date: 12/18/2006
Application is hereby made for a permit to maintain an existing/new storage tank facility as required by 527 CMR 9.00:
Location of property: 202 Brigham St., Northborough, MA 01532
Owner of property:Juniper Hill Golf Course, Inc.
Full name of person, firm or corporation
Number of storage tanks: 1 aboveground underground
Signature of owner or authorized representative: Duly W. Dale
Fee paid: \$ (M.G.L. Chapter 148, section 10A)
(Fire Department's copy ~ To be filed with FP-290, Part 1)



# PERMIT

To Maintain an Existing/New Storage Tank Facility for Storage Tanks Regulated under 527 CMR 9.00

In accordance with the provisions of 527 CMR 9.00 this permit to maintain an existing/new storage tank facility is granted to:
Location of property: 202 Brigham St., Northborough, MA 01532
Owner of property: Juniper Hill Golf Course, Inc.  Full name of person, firm or corporation
Number of storage tanks: 1 aboveground underground
Facility to be maintained in accordance with the restrictions described below:  527 C.M.R. 9.00 and 527 C.M.R. 14.00, not to exceed 1,000 gal. gasoline licensed
amount.
Fee paid: \$ 100.00 (M.G.L. Chapter 148, section 10A)
This permit will expire 12/29/2011  Date    Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date   Date

(Owner's copy - To be posted at the storage facility)



# Commonwealth of Massachusetts - Department of Fire Services Executive Office of Public Safety - UST Regulatory Compliance Unit

#### Notification for Storage Tanks Regulated Under 527 CMR 9.00

Notification for Storage Taliks	icaning and an
Forward completed form, signed by local fire department, to: Mass. of Fire Services, P.O. Box 1025 - State Road, Stow, MA 017	75
Use Form FP-290R to notify of tank removals or closures in pla Telephone (978) 567-3710	Date Received: 12-22-06  Fire Dept. ID# \( \frac{222-06}{222}
(Fire Department retains one copy of FP-290)	Fire Dept. Sig.
☐ A. New Facility (see instructions, #1) ☐ B. Amended	IX C. Renewal State Use Only
INSTRUCTIONS: Form FP-290 (Notification for Aboveground and Underground Storage T each location containing underground or aboveground storage tanks regulated under 527 (tanks are owned at this location, photocopy the following pages and staple continuation she must be completed in duplicate. Although the form may be photocopied, the facility owner sign each copy separately; photocopied signatures are not sufficient. Both copies of the tothe local fire department, who will check all information and certify the forms. The copy of the FP-290 for its records, and the facility owner shall be responsible for forward to the form of the Freedom of the form of the fo	anks) is to be completed for CMR 9.00. If more than five eets to the form. The FP-290 or owner's representative must a FP-290 are to be forwarded if the department will retain one rriting to other copy to the rmit portion of the FP-290; Regulatory Compliance Unit.  Sky located.  Box numbers are not is not provided, please indicate
GENERAL I	NFORMATION
Notification Required  Fire Prevention Form FP-290 is to be used as Notification, Registration, and Permit for aboveground and underground storage tanks and tank facilities regulated under 527  Code of Massachusetts Regulations 9.00. No regulated aboveground or underground storage tank facility shall be installed, maintained, replaced, substantially modified or removed without a permit (FP-290) issued by the head of the local fire department. The owner-of any storage facility shall within seven working days notify the head of the local fire department and the Dept. of Fire Services of any change in the name, address, or telephone number of the owner or operator of a storage facility subject to regulation by Chapter 148, Mass. General Law and by 527 CMR 9.00.  Underground Storage Tanks  Each owner of an underground tank first put into operation on or after Jan. 1, 1991, shall, within thirty days after the tank is first put into operation, notify the Department of Fire Services (the department) of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, location, and uses of such tank. By no later than Jan. 31, 1991, each owner of an underground storage tank that was in operation at any time after Jan. 1, 1974, regardless of whether or not such tank was removed from beneath the surface of the ground at any time, shall notify the department of the existence of such tank, specifying, to the extent known, the owner of the tank, date of installation, capacity, type, and location of the tank, and the type and quantity of substances stored in such tank, or which were stored in such tank before the tank ceased being in operation if the tank was removed from beneath the surface of the ground prior to the submittal of such notice to the department. The operator of any tank that has no owner or owners owner cannot be definitely ascertained, shall notify the department of the tank, and the type and quantity of installation, capacity, type, and location of the	Exception: (a) a farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes, or (b) a tank used for storing heating oil for consumptive use on the premises where stored are not required to be registered under 527 CMR 9.00.  Penalties: Any owner who knowingly fails to notify or submits faise information shall be subject to a civil penalty not to exceed \$25,000 for each tank for which notification is not given or for which false information is submitted. (MGL Chapter 148, section 38H, 527 CMR 9.00)  Aboveground Storage Tanks 527 CMR 9.00 requires the registration of any aboveground storage tank which meets the following definition: a horizontal or vertical tank, equal to or less than 10,000 gallons capacity, that is intended for fixed installation without back fill above or below grade, and is used for the storage of Hazardous Substances, Hazardous Wastes, or Flammable or Combustible Liquids.  Exception #1: Aboveground tanks of more than 10,000 gallons capacity regulated by 520 CMR 12.00 (Requirements for the Installation of Tanks Containing Fluids Other Than Water in Excess of 10,000 Gallons) are not required to be registered under 527 CMR 9.00.  Exception #2: (a) a farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes, or (b) a tank used for storing heating oil for consumptive use on the premises where stored are not required to be registered under 527 CMR 9.00.  Penalties: Any person who knowingly violates any rule or regulation made by the Board of Fire Prevention Regulations shall, except as otherwise provided, be punished by a fine of not less than one hundred dollars nor more than one thousand dollars. (MGL, Chapter 148, section 10B, and 527 CMR 9.00)  Where to Notify? Two completed notification forms should be signed by both the tank owner and the local fire department. One copy will be retained by the fire department, and the tank owner shall send a separate copy to the address at the top of
I. Ownership of Tank(s)	II. LOCATION OF TANK(s)
Owner Name (Corporation, Individual, Public Agency, or Other Entity)	If known, give the geographic location of tanks by degrees, minutes, and seconds. Example: Lat. 42, 36, 12 N Long. 85, 24, 17W
Juniper Hill Golf Course, Inc.	Latitude <u>42,18, 43N</u> Longitude <u>71, 37, 4</u> 5W
202 Brigham St Street Address	300 yards South of Collins Rd and Distance and direction from closest intersection (see instructions #2)  Brigham St.
· · · · · · · · · · · · · · · · · · ·	-Juniper Hill Colf Course Riverside Facility Name or Company Site Identifier, as applicable
Northborough, MA 01532 City State Zip Code	202 Brigham St.  Street Address (P.O. Box not acceptable - see instructions #2)
Worcester	Northborough, MA 01532

04-2299518

Owner's Employer Federal ID #

(508) 393-2444 Phone Number (Include Area Code)

III. TYPE (	of Owner	IV. Indian Lands							
☐ Federal Government	☐ Commercial (storage and sale)	☐ Tanks are located on land within an Indian Reservation or on other trust lands.							
☐ State Government	☐ Private	1			ative Amer	ican nation, tribe	e, or individual.		
Local Government (storage and use)  V. Type of Facility									
	V <sub>s</sub>	A YPE OI	FACILIT	Υ					
Select the Appropriate Fac	ility Description: (check al	I that apply	)						
Gas Station	Mai				ing/Transpo	ort			
Petroleum Dis		road eral - Militan	· . ——	Utilitie Resid					
Aircraft Owner		ustrial		Farm					
Vehicle Dealer	ship Cor	tractor	_X_	Other	(explain) _	Golf Cours	se		
	VI. CONTACT	Person	IN CHARG	GE OF	Tanks				
Name: <u>Dudley W. Da</u>	arling Address:				Phone Nu	ımber (include are	a code):		
Job Title: Vice Presid	_	Brigham	_St		Home: (5		3		
000 Title: <u>+1200 11001</u>	ł	hboroug	h, MA 01	532	Business:	(508) 393-	-2444		
	VII. FIN	IANCIAL	Respons	IBILITY	<i>f</i>				
<b>⊠</b> I hav	☐ I have met the financial responsibility requirements in accordance with 527 CMR 9.00.								
Check all that apply					T				
Check all that apply:					·  -	tter of Credit			
□ Self Insurance ▼ Commercial Insura	l	☐ Guarantee ☐ Surety Bond				Trust Fund			
☐ Risk Retention Gro		☐ State Fund				Other Method Allowed - Specify			
_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
	WAR TO SO WE MINE!		A 1						
	VIII. ENVIRO			· · · · · · · · · · · · · · · · · · ·		ning danastmani			
This information should be						•	l <b>.</b>		
	n wellhead protection are				No □ Un				
	n surface drinking water s	•			X No □ Uni				
	within 100 feet of a wetlan			_	≹No □ Uni				
	within 300 feet of a stream				₹No □ Un				
	ON OF STORAGE TA								
Tank Identification Number 1. Tank status	r I ank	No. <u>1</u>	Tank No	_ lank	No	Tank No	Tank No		
	serial # (if known) M58	1046			<del></del>				
1	b. Currently in Use	x							
c. Temporarily Out	of Use (Start Date)								
d. Perm	anently Out of Use								
e. Aboveground sto		T 🗆 UST	□ AST □ US	T 🗆 AS	ST 🗆 UST	□ AST □ UST	☐ AST ☐ UST		
2. Date of Installation (mo./	/day/yr.) 11	/18/98							
3. Estimated Total Capacit	y (gallons) 1	000							
ED 000 (									

rank Identification Number (cont.)	Tank No. 1	Tank No	Tank No	Tank No	Tank No
4. Substance Currently or Last Stored					
a. Gasoline	X.			☐ MV ☐ Marina	☐ MV ☐ Marina
Motor vehicle or other use	MV □ Marina     □ other	<ul><li>□ MV</li><li>□ Mariná</li><li>□ other</li></ul>	☐ MV ☐ Marina ☐ other	Other	□ other
b. Diesel					
Motor vehicle or other use	☐ MV ☐ Marina ☐ other	☐ MV ☐ Marina ☐ other	☐ MV ☐ Marina ☐ other	☐ MV ☐ Marina ☐ other	☐ MV ☐ Marina ☐ other
c. Kerosene					
d. Fuei Oil* ""Consumptive Use" tanks need not be registered. "Consumptive Use" fuel used exclusively for area heating and/or hot water.					
e. Waste Oil					
f. Other, Please specify					
Hazardous Substance (other than 4a thru 4e above)					
CERCLA name and/or					
CAS number					
Mixture of Substances					
Please specify					
5. Material of Construction - Tank (mark only one	≡)				
Bare steel (includes asphalt, galvanized and epoxy coated)	X				
Cathodically protected steel					
Composite (steel with fiberglass)					
Fiberglass reinforced plastic (FRP)					
Concrete					
Unknown					
Other					
Please specify	CONCRETE Vaulted				
	Tank				
6. Type of Construction-Tank (mark only one)					
Single walled	X				
Double walled					
Unknown					
Other					
Please specify	POLY				
Is tank lined?	JACKET 7 Yes X No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Does tank have excavation liner?	☐ Yes 🏋 No	□ Yes □ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

			1 11	T	T1. N -
nk Identification Number (cont.)	Tank No1_	Tank No	Tank No	Tank No	Tank No
7. Material of Construction - Piping (mark only one					
Bare steel (includes asphalt, galvanized and epoxy coated)	X	,			
Cathodically protected steel					
Fiberglass reinforced plastic (FRP)					
Flexible					
Copper	,				
Unknown					
Other					
Please specify					
8. Type of Construction - Piping (mark only one)					
Single walled					
Double walled					
Unknown					
Other					
Please specify					
Has piping been repaired?	□ Yes 😾 No	☐ Yes ☐ No	□ Yes □ No	□ Yes □ No	□ Yes □ No
Is piping gravity feed?	□ Yes 120 No	☐ Yes ☐ No	☐ Yes ☐ No	□ Yes □ No	☐ Yes ☐ No
Date					
Х.	. CERTIFICA	TION OF CO	MPLIANCE		
1. Installation			-	[	<del>[</del> ]
A. Installer certified by tank and piping manufacturers					
B. Installer certified or licensed by the implementing agency	X				
C. Installation inspected by a registered engineer			·		
D. Installation inspected and approved by the implementing agency	X				
E. Manufacturers' installation checklists have been completed	X				
F. Another method allowed by 527 CMR 9.00. Please specify					
2. Tank Leak Detection (mark only one)	Tank	Tank	Tank	Tank	Tank
A. Double-wall tank - Interstitial monitoring					
B. Approved in-tank monitor					
C. Soil vapor monitoring (check one below)					
☐ Monthly ☐ Continuous					
E. Inventory record-keeping and tank testing					
F. Other method allowed by 527 CMR 9.00. Please specify	INTERST!	TIAL MONIT	ORING		

ank Identification Number (cont.)	Tank N	01_	Tank N	lo	Tank No	o	Tank No	o	Tank No	)
3. Piping Leak Detection (mark only one)		Piping		Piping		Piping		Piping		Piping
A. Pressurized				,						
a. Interstitial space monitor										
b. Product line leak detector										
(mark all that apply below)										
☐ Automatic flow restrictor*										
☐ Automatic shut-off device* ☐ Continuous alarm*										
* Also requires annual test of device and										
piping tightness test or monthly vapor										
monitoring of soil.									<i>XIIII</i>	
<ul><li>B. Suction: Check valve at tank only (Requires interstitial space monitor or</li></ul>		$\mathbf{x}$								
line tightness test every three years)									1.	
☐ Interstitial space monitor										
☑ Line tightness test							:			
C. Suction: Check valve at dispenser only (No monitor required)										
D. Other method allowed by 527 CMR	:									
9.00. Please specify										
4. Date of last tightness test (tank & piping)	10/1	0/06								
5. Gravity feed piping										
6. Spill containment and overfill protection	Tank		Tank		Tank		Tank		Tank '	
A. Spill containment device installed										
B. Overfill prevention device installed	x									
7. Daily Inventory Control (mark only one)										
A. Manual gauging by stick and records reconciliation										
B. Mechanical tank gauge and records reconciliation	$\mathbf{x}$									
C. Automatic gauging system										
8. Cathodic Protection (if applicable)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
A. Sacrificial Anode Type										
B. Impressed Current Type										
C. Date of Last Test										
Certification of Compliance No.:										
XI. CERT	IFICAT	I <b>ON</b> (Re	ad and sig	n after cor	npleting all	sections)				
NOTE: Both the copy being sent to the Dept. of Fire Services and accepted on either document.	d the copy re	etained by th	ne local fire	department	must be sigi	ned separat	ely. A photo	ocopied sig	gnature will n	ot be
I declare under penalty of perjury that I have personally examine inquiry of those individuals immediately responsible for obtaining	d and am fa the informa	miliar with t	he informati re that the si	on submitte	d in this and omation is t	all attache rue, accura	d document te, and com	s, and that plete.	based on my	,
Name and official title of owner or owner's authorized representa		Signature	:						Pate:	
Dudley W. Darling Vice Pres	iden+	· 6	Due	42	), D	ale .	,		12/18	/06

FP-290 (revised 11/96)

Page 5

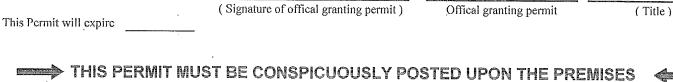


# The Commonwealth of Massachusetts Department of Fire Services Office of the State Fire Marshal

P. O. Box 1025 State Road, Stow, MA 01775

#### APPLICATION FOR PERMIT

Date: 1/4/07 \_\_\_\_ Permit No 2007000000016 Northborough (City or Town) (If Applicable) Dig Safe Number In accordance with the provisions of M.G.L. Chapter MGL 148, as provided in Section 10A application is hereby made Start Date by Dudley W Darling Juniper Hill Golf Course (Full name of person, Firm or Corporation) Address 14 Increase Ward Dr Northborough MA 01532 State clearly purpose for (Street or P.O. Box City or Town) which permit For permission to Store and use hazardous materials Per Permit Issued is requested Comments: Storage of Gasoline at 202 Brigham St. Northborough MA 01532 (Give location by street and no., or describe in such manner as to provied adequate identification of location) Name of competent operator (If Applicable) Date Issued-rejected Issued 01/04/2007 (Signature of Applicant) Date of expiration 25.00 Due 0.00 The Commonwealth of Massachusetts **Department of Fire Services** Office of the State Fire Marshal P. O. Box 1025 State Road, Stow, MA 01775 PERMIT Date: 1/4/07 Permit No 200700000016 Northborough Dig Safe Number (City of Town) (If Applicable) MGL 148 , as provided in Section \_\_\_\_\_10A In accordance with the provisions of M.G.L. Chapter Start Date This Permit is granted to: **Dudley W Darling Juniper Hill Golf Course** Full name of person, Firm or Corporation Store and use hazardous materials Per Permit Issued



( Give location by street and no., or describe in such manner as to provied adequate identification of location )

Christopher J Tetreault

Offical granting permit

Restrictions: In compliance with all applicable laws and regulations. Including a valid license as needed.



Comments:

Fee Paid \$

Storage of Gasoline

202 Brigham St. Northborough MA 01532

A 27215 MA 05 22 State Incident Date	2007   2007000000807   000   Delete Change Change No Activity   Change N					
Street address   202     Intersection   In front of   Number/Milepost   Prefix	he address for this incident is provided on the Wildland Fire ve Location Specification". Use only for Wildland fires.    Brigham St.					
C Incident Type    100   Hazardous condition, other	Check boxes if					
F Actions Taken  86   Investigate  Primary Action Taken (1)  Additional Action Taken (2)  Additional Action Taken (3)	G1 Resources  Check this box and skip this section if an Apparatus or Personnel form is used.  Apparatus Personnel  Suppression 0 0 0  EMS 0 0 0  Other 0 0 0  Check box if resource counts include aid received resources  G2 Estimated Dollar Losses & Values  LOSSES: Required for all fires if known. Optional for non fires None  Property \$ 0.00 ©  PRE-INCIDENT VALUE: Optional Property \$ 0.00 ©  Contents \$ 0.00 ©					
Completed Modules  ☐ Fire-2 ☐ Structure-3 ☐ Civillian Fire Cas4 ☐ Fire Serv. Casualty-5 ☐ EMS-6 ☐ HazMat-7 ☐ Wildland Fire-8 ☐ Apparatus-9 ☐ Personnel-10 ☐ Arson-11  ☐ Detector alerted occidence of the confinence occidence	Nome					
J Property Use       ★ Structures       341       □ Clinic, clinic type infirmary       539       □ Household goods, sales, repairs         131       □ Church, place of worship       342       □ Doctor/dentist office       579       □ Motor vehicle/boat sales/repairs         161       □ Restaurant or cafeteria       361       □ Prison or jail, not juvenile       571       □ Gas or service station         162       □ Bar/tavern or nightclub       419       □ 1 - of 2 - family dwelling       599       □ Business office         213       □ Elementary school or kindergart.       429       □ Multi - family dwelling       615       □ Electric generating plant         215       □ High School or junior high       439       □ Rooming/boarding house       629       □ Laboratory/science lab         241       □ College, adult ed.       449       □ Commercial hotel or motel       700       Manufacturing plant         311       □ Care facility for the aged       459       □ Residential, board and care       819       □ Livestock/poultry storage (barn)         331       □ Hospital       Hospital       Hospital       Non-residential parking garage         519       □ Food and beverage sales       891       □ Warehouse						
124       ☐ Playground or park       938         655       ☐ Crops or orchard       946         669       ☐ Forest (timberland)       951         807       ☐ Outdoor storage area       960         919       ☐ Dump or sanitary landfill       961	□ Vacant lot □ Graded/cared for plot of land □ Lake, river, stream □ Railroad right of way □ Other street □ Highway/divided highway □ Residential street/driveway □ Vacant lot □ Graded/cared for plot of land □ 981 □ Construction site □ Hindustrial plant yard □ Look up and enter a □ Property Use code only if you have NOT checked a Property Use box:: □ Vacant lot □ Construction site □ Hindustrial plant yard □ Property Use □ 965 □ Uncovered Parking Area □ NFIRS - Revision 03/11/99					

K1		ntity Invo	olved							•	
	Local option		Business	name (if applicable)				Area (	Code Phone Number		
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	nes	Number	Prefix	x Street or Highwa	у				Street Type	Suffix	
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		Post Office B	ox		pt/Suite/Room	l City	1				
		State	Zip Code	Type							
	☐ More pe		•		attach Sup	plemen	tal Forms (NFIRS-1S) as	necess	sary.		
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K <sub>2</sub>	_	Then check	erson involved? k this box and skip this section	Juniper Hill (	Solf Cours	۵.		11/5/	08) 393-2444		,
	Local option			Business name (if				<u> </u>	a Code Phone Number	er	۱
	Check this box if same address as incident location.	<u></u>									
	Then skip the three duplicate address		. First Na			MI	Last Name			Suffix	,
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	☐ More rema	rks? shad	le this box and	i attach Suppleme	ental Forms	(NFIRS-	IS) as necessary.				
M	Authorizat	ion									
	_	PH	1		Captain/l	EMT	ptain/Shift Comman		05/22/2007		ı
Check t	Officer in	charge ID	Signature Frede	rick P Hurst	Position or rar		Assignment	Month	Day	Year	'
same as Officer		PH	1		Captair	n/EMT	ptain/Shift Command	I	05/22/2007		ı
charge.		aking report	Signature Frede	rick P Hurst	Position or rar			Month	Day	Year	1

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Special Study ID# Special Study Value  L2 Remarks: local option		pecial Special Spec tudy ID# Study Value Study							

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# The Commonwealth of Massachusetts

APPLICATION FOR PERMIT  To: HEAD OF FIRE DEPARTMENT  Northbording  To: HEAD OF FIRE DEPARTMENT   In accordance with the provisions of Chapter 148,	made By: Name JUNIP	State clearly purpose for which permits to be at 202 Bright State and store inqueried petroleum gas quested at 202 Bright St	Name of competent operator (If applicable)  Date Issued—rejected  Date of expiration  2 Fee \$.35 (Paid Due A)	
		(ə	EPAKIMENT PER (If applicab R B B B	

Northborough, Ma 01532 Juniper Hill Golf Course FUEL TANK 1500 GAL AST 500 GAL GASOLINE 1000 GAL DIESEL --CHENICAL STORAGE 202 Brigham St. Maintenance Building STORAGE AREA FUEL TANK 1000 GAL UST PROPANE (1) FUEL TANK 1000 GAL AST GASOLINE Cart Barn Clubhouse SITE PLAN CLUBHOUSE 1000 GAL AST 100 FUEL TANK PROPANE Pavilion



#### COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION

ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

RICHARD K. SULLIVAN JR. Secretary KENNETH L. KIMMELL Commissioner

**DUDLEY DARLING** JUNIPER HILL GOLF COURSE 202 BRIGHAM ST NORTHBOROUGH, MA 01532

### NOTICE OF NONCOMPLIANCE: NON-BO-12-7S002

Noncompliance with M.G.L. Chapter 111, s. 142A through 142N and 310 CMR 7.24 (6)

JUNIPER HILL GOLF COURSE At: 202 BRIGHAM ST NORTHBOROUGH, MA 01532

DEP Facility Acct #: 37542 Stage II RO Acct #: 363315

#### Dear DUDLEY DARLING:

Enclosed please find a Notice of Noncompliance, an important legal document.

Department of Environmental Protection (MassDEP) personnel have observed or determined that on November 1, 2011, activity occurred at JUNIPER HILL GOLF COURSE, in noncompliance with one or more laws, regulations, orders, licenses, permits, or approvals enforced by MassDEP.

Attached is a written description of (1) the referenced activity, (2) the applicable regulations, and (3) the actions MassDEP now wants you to take to correct the noncompliance matters. If you have any questions regarding this Notice, please contact Jeff Gifford of this office at (617) 556-1144.

Sincerely,

Date: February 1, 2012

I twen a. De Tabrile

Steven A. DeGabriele

Director, Business Compliance Division

Bureau of Waste Prevention

Department of Environmental Protection

cc:

Fire Department - NORTHBOROUGH Jeff Gifford, DEP/BWP/Boston

#### NOTICE OF NONCOMPLIANCE

THIS IS AN IMPORTANT NOTICE. FAILURE TO TAKE ADEQUATE ACTION IN RESPONSE TO THIS NOTICE COULD RESULT IN SERIOUS LEGAL CONSEQUENCES.

Based on MassDEP's investigation on November 1, 2011, noncompliance occurred or was observed at JUNIPER HILL GOLF COURSE, in noncompliance with one or more laws, regulations, orders, licenses, permits or approvals enforced by MassDEP.

This Notice of Noncompliance describes (1) the requirement violated, (2) the date and place MassDEP asserts the requirement was violated, (3) either the specific actions which must be taken in order to return to compliance or direction to submit a written proposal describing how and when you plan to return to compliance, and (4) the deadline for taking such actions or submitting such a proposal.

If the required actions are not completed by the deadlines specified below, an administrative penalty may be assessed for every day after the date of this Notice that the noncompliance occurs or continues. MassDEP's reserves its rights to exercise the full extent of its legal authority in order to obtain full compliance with all applicable requirements, including, but not limited to, criminal prosecution, civil action including court-imposed civil penalties, or administrative action, including administrative penalties imposed by MassDEP.

#### NAME OF ENTITY(S) IN NONCOMPLIANCE:

JUNIPER HILL GOLF COURSE DEP Facility Acet #: 37542

#### LOCATION(S) WHERE NONCOMPLIANCE OCCURRED OR WAS OBSERVED:

202 BRIGHAM ST NORTHBOROUGH, MA 01532

#### DATE(S) WHEN NONCOMPLIANCE OCCURRED OR WAS OBSERVED:

November 1, 2011

#### DESCRIPTION OF NONCOMPLIANCE:

MassDEP's investigation shows that JUNIPER HILL GOLF COURSE violated the following Compliance Testing and Submittal Requirements of 310 CMR 7.24 (6), Dispensing of Motor Vehicle Fuel, as cited below:

- 1. Failure to submit a Stage II Form C, Annual In-Use Compliance Certification, in violation of 310 CMR 7.24(6)(c)3. The regulation, 310 CMR 7.24(6)(c)3 states:
  - "3. Annual In-use Compliance Certification. Except as provided in 310 CMR 7.24(6)(c), any person subject to 310 CMR 7.24(6) shall annually submit to the Department a fully completed and signed Annual in-use Compliance Certification, on a form obtained from the Department, attesting to the following:

a. the installed Stage II system is operated and maintained as required by 310 CMR 7.24(6)(b);

b. the following in-use compliance tests, as applicable, were performed as required by 310 CMR 7.24(6)(d):

i. Vapor Balance Systems. Annual In-use Compliance Tests. Pressure Decay Test; Vapor-Tie Test; P/V Vent Test; Every-third-year in-use compliance test: Dynamic Pressure/Liquid Blockage Test.

ii. Vacuum Assist Systems. Annual in-use compliance tests: Pressure Decay Test; Vapor-Tie Test; P/V Vent Test; and Air-to-Liquid Ratio Test; Every-third-year in-use compliance test: Dynamic Pressure/Liquid Blockage Test.

iii. Healy Systems. All applicable tests shall be performed annually.
c. The applicable in-use compliance tests were performed and passed not more than 30 days prior to the date postmarked on the envelope used to submit the Certification to the Department."

#### ACTION(S) TO BE TAKEN AND THE DEADLINE FOR TAKING SUCH ACTION(S):

The following action(s) to be taken have individual deadlines associated with them. As the Stage II System Responsible Official at JUNIPER HILL GOLF COURSE, take the necessary steps to correct the violations within the specified deadlines as noted and return to compliance with the requirements described below. MassDEP's regulations at 310 CMR 5.09 presume that you receive this Notice of Noncompliance, if delivered by regular mail, three business days after it was issued (i.e., the date of the cover letter).

1. Within 45 days from the receipt of this Notice, submit to MassDEP a fully completed Stage II Form C Annual In-Use Compliance Certification, in compliance with 310 CMR 7.24 (6)(c)3.

A blank Stage II Form C, Annual In-Use Compliance Certification , and instructions can be obtained from the MassDEP Stage II website, <a href="http://www.mass.gov/dep/service/online/erpforms.htm#stageii">http://www.mass.gov/dep/service/online/erpforms.htm#stageii</a>, or the form can be obtained from your Stage II Testing Company.

Please address your reply to this Notice of Noncompliance to:

Attn: Jeff Gifford
Department of Environmental Protection
Bureau of Waste Prevention - Stage II Program,
P.O. Box 120-165
Boston, MA 02112-0165

Date: February 1, 2012

Steven A. DeGabriele

Steven a. De Tabrile

Director, Business Compliance Division

Bureau of Waste Prevention

Department of Environmental Protection



# The Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal P.O. Box 1025, State Road, Stow, MA 01775



#### **APPLICATION FOR PERMIT**

City or Town NORTHBOROUGH	DIG SAFE NUMBER
Date 7/30/12	Start Date:
	Start Date:
In accordance with the provisions of M.G.L. Chapt	ter 148, as provided in Section application is hereby made
by <u>TUNIPERHILL GOLF</u>	- COURSE, INC
Address 202 ARICUANA	name of person, Firm or Corporation)
Address NOZ ON ON ON	Street or P.O. Box) (City or Town)
•	permit is requested) STORE 1000 GAL, GASOLINE
IN AN ABOVE GROUND	STORAGE TANK.
Name of competent annuates (If A - II - II - ) DC	To The DARWING
Name of competent operator (if Applicable) $\frac{VV}{VI}$	CEPRESIDENT
Date Issued-rejected B	DCEY W. DARCINGCERT. No
So	ee\$ Paid Due
Depart Office o	nwealth of Massachusetts tment of Fire Services f the State Fire Marshal
r. O. bo.	x 1025 State Road, Stow, MA 01775
Northborough Permit N	PERMIT Date: 8/7/12
(City of Town)	0 201200001064 Dig Safe Number
In accordance with the provisions of M.G.L. Chapter	MGL 148 , as provided in Section 10A Start Date
This Permit is granted to: Dudley W Darling	
	on, Firm or Corporation
Permission to Store and use hazardous materials I	Per Permit Issued
Comments: To store 1,000 gallons gasoline in an aboveg	round storage tank. Subject to all applicable rules and regulations.
	regulations. Including a valid license as needed.
at 202 Brigham St. Northborough MA 01532	
(Give location by street and no for descr	NORTHBOROUGH FIRE DEDADTMENT ibe in such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as to provide adequate identification of location in the such manner as the such m
Fee Paid \$ 25.00 / //anno	Nancy L Lepore LEPC
Signature of or This Permit will expire 08/07/2013	fical grapting permit) (508) 393-1537, FAX (508) 393-1539





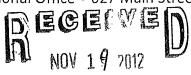
Commonwealth of Massachusetts Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

Central Regional Office • 627 Main Street, Worcester MA 01608 • 508-792-7650

DEVAL L. PATRICK Governor

TIMOTHY P. MURRAY Lieutenant Governor



RICHARD K. SULLIVAN JR. Secretary

KENNETH L. KIMMELL Commissioner

TOWN OF WESTBOROUGH BOARD OF HEALTH

DATE: November 16, 2012

DCAM-OFM Program Manager 1 Ashburton Place Boston, MA 02108

ATTN: Edward Nicosia

RE: PWS Town: Westborough

PWS Name: Westborough State Hospital

PWSID#: 2328001
Program: Enforcement
• 310 CMR 22.05

Microbiological/Bacteria

Notice of Noncompliance and Return to Compliance

ENF#: NON-CE-12-5D126

RTC-CE-12-5D126

Dear Public Water Supplier:

Please note that the signature on this cover letter indicates formal issuance of the attached document.

• NOTICE OF NONCOMPLIANCE & RETURN TO COMPLIANCE VIOLATION SUMMARY REPORT

Paula Caron

**Drinking Water Program** 

MassDEP Central Regional Office

cc: (no attachment) DWP/Boston Office

cc: (w/attachments)

Certified Operator: Russ Tierney, Whitewater

Local Board of Health

Cheryl Poirier, DEP, CERO, Enforcement Coordinator

Mike Maher, DEP, CERO, Office of Enforcement Copy

Paula Caron, DEP, CERO - WS "File Copy"

WS Enforcement Book Copy / WS Regional Correspondence Copy

W:\WS\DWP SCANNED DOCUMENT ARCHIVE

Archive File Name: Y:\DWP Archive\CERO\Westborough-2328001-WQ-TCR-ENF(NON-CE-12-5D126)-2012-11-16

# NOTICE OF NONCOMPLIANCE & RETURN TO COMPLIANCE VIOLATION SUMMARY REPORT

ISSUED: **NOVEMBER 16, 2012** PWS TOWN: **WESTBOROUGH** 

PWS NAME: WESTBOROUGH STATE HOSPITAL

PWSID#: 2328001

ENF#: NON & RTC-CE-12-5D126

The Department of Environmental Protection Drinking Water Program (the "Department" or "MassDEP"), is in receipt of your public water system's bacteriological reports for the period(s) listed below. Based on the information contained, the Department has determined that your public water system has violated the applicable provisions of 310 CMR 22.00, the Drinking Water Regulations.

 The Monthly Maximum Contaminant Level (MCL) for coliform bacteria for the month(s) of September 2012.

The following regulatory citations are pertinent to these violations:

#### 310 CMR 22.05(8)(a): Monthly Maximum Contaminant Level violation.

For a system which collects fewer than 40 routine samples/month, if no more than one sample collected during a month is total coliform-positive the system is in compliance with the MCL for total coliform. (i.e.: more than one coliform-positive routine sample per month triggers a monthly MCL violation).

#### Public Notification and Certification

The Department is in receipt of the certification form and public notice provided for the MCL violation(s) distributed on September 25, 2012 and received by the Department on September 21, 2012.

310 CMR 22.16(3)(c)(1): Tier 2 Community System waiver for mail or other direct delivery. The Department hereby waives the requirement for mail or other direct delivery as the community public water system had corrected the problem within 30 days and had used an alternate means of delivery as approved by the Department.

#### RTCR Level 1 Assessment

<u>Within 30 days</u> upon receipt of this notice, the Department requests that you complete and return the enclosed <u>Coliform Bacteria Level 1 Assessment Form (RTCR-1)</u> for the MCL violation(s) cited, which will assist your system in evaluating deficiencies, help to identify the source of the contamination, correct problems that may compromise public health, and help to

prevent future violations. Include any deficiencies found and describe corrective actions taken or proposed corrective actions with corresponding dates. <a href="http://www.mass.gov/dep/water/drinking/rtcr1.pdf">http://www.mass.gov/dep/water/drinking/rtcr1.pdf</a>

The Level 1 Assessment is a self-assessment and should be completed by a knowledgeable representative of the water system. For an in-depth explanation of the Level 1 Assessment refer to EPA's "Proposed Revised Total Coliform Rule Assessments and Corrective Actions Guidance Manual" at <a href="http://water.epa.gov/lawsregs/rulesregs/sdwa/tcr/regulation.cfm#draft">http://water.epa.gov/lawsregs/rulesregs/sdwa/tcr/regulation.cfm#draft</a>.

Department records show this event is the **first** noncompliance of this type to occur within a 12-month period. If this type of noncompliance occurs again within a twelve-month period, your system may become a significant non-complier and will be required to submit a plan detailing what specific actions will be taken to prevent any further noncompliance from occurring. In addition, you may be subjected to federal enforcement action if you become a significant non-complier. The Department is keeping a record for this and all other violations and it will be reported to the U.S. EPA as required.

<u>Community Systems</u>: The violations cited within this document must be included in your systems annual Consumer Confidence Report that is due by July 1<sup>st</sup> of each year.

You are hereby notified to comply with 310 CMR 22.05 and to stay in compliance with said regulations in the future. If you have any questions or wish to discuss this matter please contact Nora Hanley of this office at (508) 767-2720.



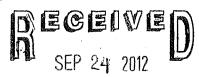
Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

Central Regional Office • 627 Main Street, Worcester MA 01608 • 508-792-7650

DEVAL L PATRICK Governor

TIMOTHY P. MURRAY Lieutenent Governor



TOWN OF WESTBOROUGH BOARD OF HEALTH RICHARD K. SULLIVAN JR. Sponstary

> KENNETH L. KIMMELL Commissioner

September 21, 2012

DCAM-OFM Program Manager C/O Edward Nicosia 1 Ashburton Place, 15<sup>th</sup> Floor Boston, Massachusetts 02108 Re: PWS City/Town: Westborough

PWS Name: Westborough State Hospital

PWS ID#: 2328001

Program: Sanitary Surveys

NON-CE-12-5D082

Dear Public Water System Official:

Attached is a Summary of the Sanitary Survey (including a Notice of Noncompliance) performed at Westborough State Hospital in Westborough on August 1, 2012. This summary identifies those items found during the survey that the Department has determined need to be corrected and the timeframe for completing them.

Please note that the signature on this cover letter indicates formal issuance of the attached document. If you have any questions regarding this letter, or would like a copy of the Sanitary Survey Evaluation, please contact Bob Bostwick at (508) 849-4036 or Robert.Bostwick@state.ma.us.

Sincerely,

Andrea Lemerise for

Acting Section Chief
Drinking Water Program

cc:

PWS Sanitary Survey File (stamped "File Copy")

Certified Operator - Jack Donovan, Whitewater, Inc., 253B Worcester Road, Charlton MA 01507

Bob Gasser - Treeline Construction, Inc., 130 Westborough St, Millbury, MA 01527

Mary Bogdan – DCAM/Office of Surplus Property, PO Box 7, 220 Old Common Rd, Lancaster, MA 01523

Westborough Board of Health

Westborough Town Manager - Jim Malloy, 34 West Main Street, Westborough, MA 01581

DEP-DWP CERO and Boston Correspondence (cover letter only)

Cheryl Poirier - BRP Enforcement Coordinator

Michael Maher - Office of Enforcement

**DWP** Enforcement Book

File Name: Y:\DWP Archive\CERO\Westborough-2328001-SS-ENF(NON-CE-12-5D082) 2012-09-21.docx

W:\WS\DW PROGRAM FILES\SANITARY SURVEYS\Final\Westborough-2328001-SS-ENF(NON-CE-12-5D082) 2012-09-

21.docx

#### Public Water System Summary of Sanitary Survey

State Hospital	2328001		Westborough
Westborough State Hospital	PWS ID#		PWS City/Town
PWS Name			
Survey Date: August 1, 2012	Re	port Date:	September 21, 2012
Surveyor: Bob Bostwick	Λ	ffiliation:	CERO/DWP
Person Interviewed: Roy Maher		Title:	Certified Operator
Person Interviewed: Jack Donovan		Title:	Certified Operator

#### **PUBLIC WATER SUPPLIERS:**

A completed Sanitary Survey Evaluation is on-file at the MassDEP CERO office for the above referenced Sanitary Survey Site Visit. A copy of the checklist will be provided upon request.

In addition to the "System Description" and "Statement of Zone I Compliance", this mailing includes a "Summary of Findings" specifying:

- ▼ Table A Violations referenced as NON-CE-12-5D082
- $\overline{C}$  Table C Recommendations
- Water Supplier Response and Certification Form (To be completed and returned within 30 days of receipt, if Table A and/or Table B items included in Summary of Findings)

During the course of the Sanitary Survey, MassDEP observed conditions in the source, facilities, equipment, operation, or maintenance of the PWS that are violation(s) of a regulation or statute and that jeopardize the delivery of pure and safe water to all consumers (hereafter collectively referred to as "violations"). All violations found at the PWS are listed in the attached Summary of Findings Table A, which is also a Notice of Noncompliance (NON) pursuant to M.G.L. c.21A, §16 and 310 C.M.R. 5.00.

Notwithstanding this NON, MassDEP reserves the right to exercise the full extent of its legal authority in order to obtain full compliance with all applicable requirements. Noncompliance with the terms of the NON may result in further enforcement, including the assessment of administrative penalties of up to \$25,000 for each day after the effective date of the NON during which each violation continues or is repeated, and/or the issuance of a unilateral administrative order requiring the necessary corrective action(s) within a reasonable time period. Noncompliance with the terms of such an order may also result in further enforcement, including the imposition of penalties of up to \$25,000 for each day after the effective date of the Order during which each violation continues or is repeated.

Note: Systems are not relieved of their responsibility for meeting regulatory requirements that may not be covered in the "Summary of Findings".

Westborough Survey Date: August 1, 2012

#### SYSTEM DESCRIPTION

The former Westborough State Hospital property is a consecutive community public water system receiving its water from the MWRA. The property has reduced its usable facilities to 5 building and they include: the power plant (DCAM), Chauncy Hall (DMH), Allen Hall (DYS), Sharp Building (DYS), and Zara Cisco Center (DYS). The property is currently "owned" by DCAM and the on-site management is overseen by Treeline Construction, Inc. out of Millbury. Whitewater has been retained as the system's Certified Operator. The drinking water purchased from the MWRA goes to 2 elevated storages tank (capacity of 0.9 MG) located at the top of the hill above the campus. The water then gravity feeds down the hill through the cast iron distribution piping and supplies water to the identified buildings as well as hydrants.

#### STATEMENT OF ZONE I COMPLIANCE - NOT APPLICABLE

#### GENERAL SYSTEM COMMENTS

#### SYSTEM MANAGEMENT

The property is currently being managed by Treeline Construction, Inc., out of Millbury, for the Massachusetts Department of Capital Asset Management. Whitewater, Inc., has been retained as the Certified Operator for the public water system overseeing all aspects of the system.

#### **SOURCES**

Water is supplied by the MWRA; there are no on-site sources.

#### **PUMPING STATIONS**

It is unclear if any of the pre-existing pump stations are still operating in the distribution system now that many of the buildings have been decommissioned. As part of the development of the current distribution map, any active pump station is to be inspected and its functionality and security are to be determined and submitted to MassDEP. There are currently no service meters at the individual building being supplied drinking water. Individual service meters should be installed on all buildings receiving water to compare with master meter to determine for unaccounted water and leakage.

#### FINISHED WATER STORAGE

From the September 2009 Sanitary Survey

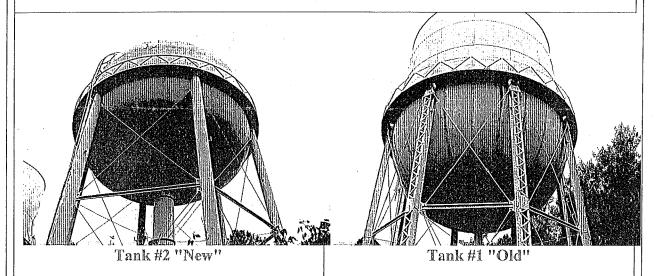
During the Sanitary Survey, it was identified that MWRA was recommending eliminating one of the storage tanks from service. Regarding the plans for the storage tanks, regardless of whether or not Westborough State follows the MWRA recommendation to eliminate one of the storage tanks, the PWS is going to need to:

- Have both tanks inspected internally and externally and submit those reports to DEP;
- 2) Implement the recommendations of that inspection for both tanks, unless the plan to eliminate one is formalized; (including but not limited to flushing, cleaning internally and painting the exterior);
- 3) Investigate installing some sort of tank mixing system to alleviate any stagnant water in the

Westborough Survey Date: August 1, 2012

tanks;

- 4) Install a smooth nose sampling tap for the "new" tank;
- 5) Identify date of construction for both tanks and when they were put into service;
- 6) If a tank is to be decommissioned, what will be changed in order to bypass the tank in case of emergency?



In addition, the brush and poison ivy in fenced in area for the storage tanks need to cut back and the screened overflow vents need to be cleared and checked as part of the tank inspection to be conducted.

#### DISTRIBUTION SYSTEM

The distribution system is being evaluated as a number of the buildings on the campus have been decommissioned when DMH transferred "ownership" to DCAM; and, it is unclear whether or not water continues to be provided to those buildings. If water service is no longer active to the decommissioned buildings, where was that service terminated? At the building or at a distribution line servicing several decommissioned buildings.

#### WATER QUALITY

During the sanitary survey, the water that was being provided to the power plant was seriously discolored and needed to be flushed for quite a while to become almost clear.

On September 11, 2012, MassDEP was notified that a sample taken from the storage tank had come back Coliform positive and E.Coli negative and repeat samples taken September 12, 2012 came back clean.

#### **OUTSTANDING ACTIONS**

ENFO]	RCEMEN	Г АСТ	CIONS				
PWSID#	ENF Issued	ENF Type	ENF#	Comments	Milestone Action	Action Deadline	Action Complete Date
2328001	1/21/2010	NON			SUBMIT PLAN AND SCHEDULE FOR TANK INSP	2/18/2010	
2328001	8/22/2012	NON	125D009	ANSTAT 12	SUBMIT 2011 ANNUAL STATISTICAL REPORT	9/22/2012	_

PWSID#	Inspection Date	DEP Staff	INS Type	Comments	Corrective Action	Action Deadline	Action Complete Date
2328001	9/16/2009	BOSTWICK	SAN	NON-CE-10-5D004, TABLE B AND TABLE C	HIGH-LOW ALARMS	3/5/2010	
2328001	9/16/2009	BOSTWICK	SAN	NON-CE-10-5D004, TABLE B AND TABLE C	RAISE OVERFLOW PIPE AND INSTALL SCREEN	3/5/2010	
2328001	9/16/2009	BOSTWICK	SAN	NON-CE-10-5D004, TABLE B AND TABLE C	INSTALL SMOOTH NOSE TAP ON "NEW" TANK	3/5/2010	
2328001	9/16/2009	BOSTWICK	SAN	NON-CE-10-5D004, TABLE B AND TABLE C	SUBMIT UPDATED DISTRIBUTION MAP	3/5/2010	
2328001	9/16/2009	BOSTWICK	SAN	NON-CE-10-5D004, TABLE B AND TABLE C	REMOVE BRUSH FROM OVERFLOW PIPES	3/6/2010	
2328001	9/16/2009	BOSTWICK	SAN	NON-CE-10-5D004, TABLE B AND TABLE C	SUBMIT X-CONN TESTING PAPERWORK SINCE 2007	3/5/2010	
2328001	5/11/2000	TARDARDIER	CCE		REPLACE SAMPLING TAP BY SMOOTH NOSE TAP	7/15/2000	
2328001	5/11/2000	TARDARDIER	CCE		SUBMIT TO DEPARTMENT ANNUAL X-CONN. SURVEY	7/15/2000	
2328001	5/11/2000	TARDARDIER	CCE		CLEAN, INSPECT AND PAINT BOTH STORAGE TANKS	7/15/2000	
2328001	5/11/2000	TARDARDIER	CCE		SUBMIT FORMAL MAINTENANCE SCHEDULE	7/15/2000	
2328001	5/11/2000	TARDARDIER	CCE		SUBMIT WATER CONSEVATION PLAN	7/15/2000	
2328001	9/22/1997	TARDARDIER	SAN		INSTALL HOSE BIBS ON OUTSIDE & KITCH FAUCETS	2/7/1998	

Westborough Survey Date: August 1, 2012

# SUMMARY OF FINDINGS NOTICE OF NONCOMPLIANCE NON-CE-12-5D082

#### Table A – Violations

Please note that this document is also a Notice of Noncompliance (NON) pursuant to M.G.L. c.21A, §16 and 310 C.M.R. 5.00. Within 30 days of receipt of the NON and Summary of Sanitary Survey, you must fill-in the corrected date(s) and submit this form to MassDEP and the attached WATER SUPPLIER RESPONSE AND CERTIFICATION FORM, including all applicable attachments.

	Citation	TABLE A - CORRECTIVE ACTION	GWR Significant Deficiency†	Action Due Date*	Date Complete by PWS
1.	22.04(13)	Submit an updated Emergency Response Plan.	No	30-Sep- 2012	07-Sep- 2012
2.	22.04(13)	Submit an updated Emergency Response Plan Compliance Checklist.	No	30-Sep- 2012	
3.	22.04(7) & Guidelines Chp 8	Submit a tank inspection report (both interior and exterior) for storage tanks along with a schedule to implement the associated tank recommendations.	No	30-Sep- 2012	
4.	22.04(7) & Guidelines Chp 8	Based on the tank inspection report in A.3., submit a schedule to remove 1 of the tanks from service and implement the recommendations for the remaining tank.	No	30-Oct- 2012	
5.	22.22	Submit results of Cross Connection Survey	No	30-Sep- 2012	13-Sep- 2012
6.	22.04(7) & Guidelines Chp 9	Submit a flushing program.	No	30-Sep- 2012	
7.	22.04(7) & Guidelines Chp 9	Implement flushing program specified in A.6. above.	No	05-Oct- 2012	
8.	22.04(7) & Guidelines Chp 9	Submit a hydrant maintenance program.	No	30-Sep- 2012	<u></u>
9.	22.04(7) & Guidelines Chp 9	Submit a valve maintenance and exercising program.	No	30-Sep- 2012	
10.	22.04(7)	Confirm that all buildings that have been decommissioned are no longer being supplied water.	No	30-Sep- 2012	
11.	22.19(6)	Submit an updated distribution map denoting the location of all: sampling, deadends, hydrants and buildings on the campus that are no longer being supplied water.	No	30-Sep- 2012	
12.	22.06B	Submit an updated Lead and Copper Sampling Plan.	No	30-Sep- 2012	06-Sep- 2012
13.	22.04(7) & Guidelines Chp 9	Confirm that the meter is reading correctly as it relates to the amount of water being provided from the MWRA.	No	30-Sep- 2012	
14.	22.15(5)	Submit the 2011 Annual Statistical Report.	No	30-Sep- 2012	
15.	22.16A	Submit the 2011 Consumer Confidence Report.	· No	30-Sep- 2012	
16.	22.22(3)(d)	Submit copies of all cross connection testing done since 2010.	No	30-Sep- 2012	

Westborough Survey Date: August 1, 2012

#### Table B − Deficiencies\*\*

MassDEP has made note of several items that do not reflect good water system practice; and, if left unresolved, could lead to problems that are more serious and may be elevated to violations in subsequent surveys. Due to the item's importance are serious. item's importance an action due date has been established.

	Citation	TABLE B - CORRECTIVE ACTION	GWR Significant Deficiency†	Action Due Date*	Date Complete by PWS
1.	22.17	Submit confirmation that all records related to the operation and maintenance of the	No	30-Sep- 2012	
2.	22.04(7) & Guidelines Chp 7	Submit functionality of all pump stations during the development of the system	No	30-Sep- 2012	
3.	22.04(7) &	distribution map. Submit a copy of the Operations and	No	30-Oct- 2012	
	Guidelines Chp 11 22.04(7) &	Maintenance Manual. Submit a copy of the Preventative	No	30-Oct- 2012	
5.	Guidelines Chp 11  22.04(7) & Guidelines Chp 8	Maintenance Program.  Submit confirmation that monthly tank inspections are being conducted and recorded on MassDEP's PWS Monthly Storage Tank Inspection Log to be retained on-site and available for review by the MassDEP during	No	30-Oct- 2012	
6.	22.22(3)(b)3.	Submit a completed Cross Connection Sub-	No	30-Sep- 2012	
7.	22.04(7)	Delegation Form.  Develop and retain a log of all customer	No	30-Oct- 2012	
8.	22.04(7)	Complaints.  Confirm that the brush around the storage tanks has been cut back and on a schedule to ensure that it does not become overgrown	No	30-Sep- 2012	
9.	22.04(7)	with poison ivy.  Submit confirmation that all buildings on the Public Water System have service meters with the schedule for their readings to be taken.	No	30-Sep- 2012	

<sup>\*\*</sup> MassDEP reserves the right to exercise its Order authority under M.G.L. Chapter 111, Section 160, or to take other appropriate action as permitted by law, in order to prevent the pollution and to secure the sanitary protection of the water supply and to ensure the delivery of a fit and pure water supply to all consumers, including without limitation if sufficient progress to meeting a recommended deadline is not achieved.

#### Table C - Recommendations

MassDEP has included a list of recommendations you are encouraged to evaluate and follow in order to improve your system's ability to provide safe and pure drinking water. Failure to act on these recommendations may be elevated to deficiencies in subsequent surveys.

	Citation	TABLE C - RECOMMENDATIONS
1.		
2.		
3.		

# Westborough State Hospital 2328001

Westborough Survey Date: August 1, 2012

\* If the time required to complete the action is greater than 3 months, submit quarterly progress reports and anticipated completion date.

† GWR Significant Deficiencies: The EPA, as part of the Groundwater Rule, required states to identify specific Significant Deficiencies that are related to the potential for fecal contamination of the water system. Significant deficiencies, when identified at a PWS that is subject to the Groundwater Rule, are regulated under the treatment technique requirements of the GWR. A PWS has 120 days to correct any significant deficiencies after notification from the state of their existence. If the deficiencies cannot be corrected within 90 days, then the PWS must enter into a MassDEP-approved correction action plan, with intermediate timelines for compliance. Failure to have an approved corrective action plan in place within 120 days or to comply with the timelines contained within the corrective action plan, constitutes a treatment technique violation, as detailed in 310 CMR 22.26(4). If a system fails to correct any identified significant deficiencies, then the PWS will be required to provide an alternate source of water, eliminate the source of contamination, or provide treatment that reliably achieves at least 4-log inactivation of viruses.

Westborough Survey Date: August 1, 2012

# WATER SUPPLIER RESPONSE AND CERTIFICATION FORM

Within 30 days of receipt of this inspection report, you must complete and submit this form if your system has Table A – Violations and/or Table B – Deficiencies. Attach a copy of the completed table(s) listing the date that the corrective action was/or will be taken and all other applicable documentation. (310 CMR 22.04(12)).

The beer	following corrective actions listed in the Summary of Findings Table A and/or Table B have a taken by the Public Water System. (Please check all that apply).
	My system has taken <u>ALL</u> of the corrective actions listed within the timeframes specified in the Summary of Findings.
	• I have listed the completion date for each item within the table(s).
	I have attached copies of supporting documentation as required.
	My system has taken <b>SOME BUT NOT ALL</b> of the corrective actions listed within the timeframes specified in the Summary of Findings.
	• I have listed the actual or anticipated compliance date for each item within the table(s).
	I have attached copies of supporting documentation as required.
	• I have attached a revised corrective action schedule establishing timelines for my system to address outstanding items and I will submit a written progress report each quarter (every 3 months) until all items have been addressed. I understand that my system may be subject to further enforcement.
	My system is <u>UNABLE</u> to comply with some or all of the corrective actions within the timeframes specified in the Summary of Findings. I understand that my system may be subject to further enforcement.
	An explanation is attached.
Fin Dri out	ereby acknowledge receipt of the Summary of Sanitary Survey including the Summary of dings for the sanitary survey conducted by Department of Environmental Protection's nking Water Program. I certify that under penalty of law I am the person authorized to fill this form and the information contained herein is true, accurate and complete to the best of knowledge and belief.
Wa	ter Commissioner, Owner, Owner Representative or Other Responsible Party:
	nature: Date:
Pri	nt Name: Title:
	The standard of the standard of the standard to

Return this form, a copy the Summary of Findings and all attachments to:

MassDEP
BRP Drinking Water Program
627 Main Street
Worcester MA 01608
Attention: Bob Bostwick



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL REGIONAL OFFICE

RECEIVED

TRUDY COXE Secretary

APR 2 4 1996

DAVID B. STRUHS Commissioner

BOARD OF HEALTH

Governor

ARGEO PAUL CELLUCCI

WILLIAM F. WELD

Lt. Governor

April 17, 1996

Steven Schiezel, Chief operating Officer Westborough State Hospital P.O.Box 288
Lyman Street
Westborough, MA 01581

RE: WESTBOROUGH-DWPC-Solid Waste Notice of Noncompliance with G.L. c. 21 § 43 and 314 CMR 3.03 MGL ch.111 §150A & 310 CMR19.015

CERTIFIED MAIL - P261 442 167

#### NOTICE OF NONCOMPLIANCE

THIS IS AN IMPORTANT NOTICE. FAILURE TO TAKE ADEQUATE ACTION IN RESPONSE TO THIS NOTICE COULD RESULT IN SERIOUS LEGAL CONSEQUENCES.

Dear Mr. Schiezel:

On April 5, 1996 the Department responded to a complaint regarding disposal of waste materials at Westborough State Hospital, Lyman Street, Westborough. We observed residuals reportedly from sewer pump station waste disposed of in former sludge drying beds at the hospital's former wastewater treatment plant.

The hospital reportedly has been disposing of two 35 gallon drums each week of rags and other contaminated material removed from the sewer pump station and disposing of this waste material on site. The site has not received Department approval or a Department permit for solid waste disposal for this activity.

Attached hereto is a written description of (1) each activity referred to above, (2) the requirements violated, (3) the action the Department now wants to take and (4) the deadline for taking such action. An administrative penalty may be assessed for every day from now on that you are in noncompliance with the requirements described in this Notice of Noncompliance.

WESTBOROUGH-DWPC Solid Waste Disposal NON Page 2

Notwithstanding this Notice of Noncompliance, the Department reserves the right to exercise the full extent of its legal authority in order to obtain full compliance with all applicable requirements, including, but not limited to, criminal prosecution, civil action including court-imposed civil penalties, or administrative penalties assessed by the Department.

If you have any questions about this matter, please contact Robert Kimball or Margo Webber of this office at (508) 792-7650, X3722 and 3738, respectively.

Very truly yours,

Michael J. Maher

Acting Regional Director Central Regional Office

mw/noncvltr.328

cc: Westborough Board of Health

Purna Rao, Solid Waste Program, CERO

# NOTICE OF NONCOMPLIANCE NONCOMPLIANCE SUMMARY

#### NAME OF ENTITY IN NONCOMPLIANCE:

Westborough State Hospital Lyman Street Westborough, MA 01581

## LOCATION WHERE NONCOMPLIANCE OCCURRED OR WAS OBSERVED:

Westborough State Hospital Grounds, Westborough, MA

#### DESCRIPTION OF NONCOMPLIANCE:

On April 5 1996, Department personnel observed stockpiles of pump station residuals consisting of, at a minimum, rags and toilet paper, disposed of in the old sludge drying beds of the former Westborough State Hospital Wastewater Treatment Facility (WWTF).

## DESCRIPTION OF THE REQUIREMENTS NOT COMPLIED WITH:

- 1. G.L. c.21 §43 and 314 CMR 3.03 Discharging pollutants into waters of the Commonwealth without a valid permit for such a discharge.
- 2. MGL c. 111 s. 150A Disposal of solid waste at a site that has not been assigned by the State.
- 3. 310 CMR 19.015 Disposal of solid waste at a facility that has not received a permit from the Department.

## ACTION TO BE TAKEN AND THE DEADLINES FOR TAKING SUCH ACTION:

- 1. Immediately cease current practice of pump station waste disposal at the former sludge drying beds.
- Within thirty (30) days, remove the existing stockpiles of disposed waste from the sludge drying beds and dispose of them at a DEP approved facility.

3. Within thirty (30) days submit to this office and the Westborough Board of Health a plan for future disposal of the pump station cleanings.

Hpm 33,1996
Date

Michael J. Maher

Acting Regional Director

Bureau of Resource Protection

mw\nondump.328



JANE SWIFT Governor

# COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION Central Regional Office, 627 Main Street, Worcester, MA 01608

BOB DURAND Secretary

LAUREN A. LISS Commissioner

JAN 8 2002

#### CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Massachusetts Department of Mental Health

25 Staniford Street

Boston, MA 02114

Re: CF

CRWSC - Westborough

Westborough State Hospital

Lyman Street

Attention: William M. Corliss

RTN 2-13299

Director of Engineering and Facilities Management

#### NOTICE OF AUDIT FINDINGS

Dear Mr. Corliss:

On December 4, 2001, Massachusetts Department of Mental Health (hereafter referred to as you/your) was notified that the Massachusetts Department of Environmental Protection (the Department) had begun to audit response actions conducted to address the release of oil/hazardous material at the location identified above. In particular, the audit focused on the Release Abatement Measure at this site and subsequent Response Action Outcome (RAO). This notice informs you of the results of the Department's audit.

#### **DETERMINATION**

The Department has determined that violations of applicable requirements of the Massachusetts Contingency Plan (MCP) occurred, but were corrected. Therefore, no additional actions are necessary for this violation at this time. The Audit Memorandum (Attachment A) describes the activities Department personnel performed during the audit, summarizes relevant site information, and lists the violation that you have already corrected.

Although the Department is not requiring additional actions to address the violation identified in the Audit Memorandum, the Department may include this violation to establish a pattern of noncompliance if future enforcement actions are pursued.

stborough State Hospital man Street Westborough, RTN 2-13299

#### LICENSED SITE PROFESSIONAL

A copy of this notice has been sent to Michael A. L'Heureux, LSP # 7062, the LSP-of-Record for the Disposal site.

#### LIMITATIONS

The Department's findings were based upon the certainty of the information reviewed during the audit. These findings do not: (1) apply to actions or other aspects of the site that were not reviewed in the audit, (2) preclude future audits of past, current, or future actions at the site, (3) in any way constitute a release from any liability, obligation, action or penalty under M.G.L. c. 21E, 310 CMR 40.0000, or any other law, regulation, or requirement, or (4) limit the Department's authority to take or arrange, or to require any Responsible Party or Potentially Responsible Party to perform, any response action authorized by M.G.L. c. 21E which the Department deems necessary to protect health, safety, public welfare, or the environment.

If you have any questions regarding this Notice, please contact Mark Matys at (508) 792-7653 extension 2832. Please reference the Release Tracking Number 2-13299 in any future correspondence to the Department regarding the site.

Very truly yours,
May Gardner

JAN 8 2002

Mary Gardner

Section Chief

Audits/Site Management
Bureau of Waste Site Cleanup

Attachments:

A. Audit Memorandum

Cc: Town of Westborough, Board of Selectmen

Town of Westborough, Board of Health V

Michael A. L'Heureux, LSP, Tighe&Bond, 110 West Boylston Street, Worcester, MA

01606

Tom Potter, DEP-Boston

Michael Maher, DEP-CERO

Data Entry: [RAM/ACTAUD RAO/ACTAUD AUDCO/NAFVIO]

NOAF v5.0Final (July 2000)

#### Attachment A - AUDIT MEMORANDUM

#### I. AUDIT ACTIVITIES

The audit consists of the following activities:

- An examination of documents within the Department's records or in other public records.
- A Notice of Audit dated December 4, 2001.
- A Site Inspection on December 14, 2001.

#### II. SITE SUMMARY

The site is located at the Westborough State Hospital Power Plant Facility located on Lyman Street in Westborough. A former salvage yard, wooded and wetlands areas and Lyman Street abut the facility. The property consists of natural soils and a paved access road. The power plant is the only known building on the property. A site history was not available for review.

May 11, 2000	Obtained knowledge of release;
May 16, 2000	Release Notification submitted to DEP for the release of an unknown
	amount of No. 6 fuel oil;
May 16, 2000	Release Abatement Measure (RAM) Plan submitted to DEP;
June 2, 2000	DEP approves RAM Plan;
October 6, 2000	RAM status report received by DEP;
March 28, 2001	Response Action Outcome (RAO) and RAM completion received by DEP
December 4, 2001	DEP issues Notice of Audit

On May 8, 9 and 10, 2000, activities commenced and three (3) 30,000-gallon underground storage tanks (UST)s were removed. On May 11, 2000, 120-day reporting condition was identified during the removal of the three (3) 30,000-gallon USTs. A dewatering well was installed in the southeast corner of the excavation to prepare for the installation of three new 20,000-gallon USTs. Approximately 5,000 gallons of petroleum-impacted groundwater was pumped from the excavation into a 21,000-gallon fractionation tank. Approximately 750 cubic yards of petroleum-impacted soils were stockpiled at the site. On May 12, 2000, the Department halted activities until a RAM plan was submitted to the DEP.

On June 6, 9, 13 and 14, 2000, soil excavation activities continued. The north, west and east sides of the excavations were excavated to below (Method 1 clean-up standards) S-1 and GW-2 soil and groundwater limits. On June 27, 2000, the piping associated with the USTs was removed. Six soil samples were collected and the resulting exposure point concentrations were below the Method 1 clean-up standards.

An area of surficial soil staining was observed in the northeastern corner of the UST excavation. In September 2000, additional soil sampling led to the removal of 75 cubic yards of contaminated soils.

In November 2000, five monitoring wells were installed in and around the release area. Depths to groundwater ranged from 6.02 to 7.86 feet below surface grade. Analysis from the five groundwater samples showed concentrations below Method 1, GW-1 Risk Characterizations standards, with four of the samples below the minimum laboratory method detection limits.

lestborough State Hospital Lyman Street Westborough, RTN 2-13299

In November 2000, 3,538.20 tons of petroleum-impacted soil was transported to New England Waste Services in Woburn, Massachusetts under Bill of Lading. Approximately 2,000,000 gallons of petroleum-impacted groundwater had been pumped, treated and discharged to the town of Westborough municipal sanitary sewer system. Prior to discharge, the groundwater was cleaned using a granular activated carbon (GAC) treatment system.

In February, depth to groundwater ranged from 6.35 to 7.89 feet below surface grade. The second round of groundwater sampling resulted in the five groundwater samples below Method 1, GW-1 Risk Characterizations standards with four samples below the minimum laboratory method detection limits.

The soils at the site are classified as S-2 and S-3. Groundwater is classified as GW-2 and GW-3. A Method 1 Risk Characterization was used as a basis to support a Class A-2 Response Action Outcome. The average exposure point concentrations were above background but below S-1 and GW-1 specifications.

### III. SITE INSPECTION

On December 14, 2001, Mark Matys, from the DEP, met with Mr. George Comugus from Massachusetts Department of Mental Health, Blair Hamblett from Westborough State Hospital and Michael A. L'Heureux, David Horowitz and Kenneth J. Gendron from Tighe & Bond. The release area was inspected and nothing unusual was noted. The writer discussed the history and description of the release location.

### IV. DETERMINATION

On the basis of the activities performed during the audit and in reliance upon the accuracy of that information, the Department makes the following Determination.

## Violations were identified that do not require further action

No further steps are necessary to correct the following violation at this time. Although the Department is not requiring additional actions to address the violation identified above, the Department may use this violation to establish a pattern of noncompliance when pursuing future enforcement actions.

Violation of 310 CMR 40.1003 General Provisions for Response Action Outcomes:

(4) The location of a site for which a Response Action Outcome applies shall be clearly and accurately identified in the Response Action Outcome Statement. The boundaries of a disposal site or portion of a disposal site for which a Response Action Outcome applies shall be clearly and accurately delineated and provided in documentation submitted with the Response Action Outcome Statement.

The RAO was submitted without a site map to scale. The Department received a site map to scale on December 26, 2001, during the course of the audit.



## Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Drinking Water Program

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## MONITORING AND REPORTING VIOLATION NOTICE OF NONCOMPLIANCE (NON)

**Enforcement Notice:** 

NON - CE - 005333

General Information

Mailing Address Information:

WESTBORO STATE HOSP, C/O M.BAKER

PO BOX 288, LYMAN STREET

WESTBOROUGH

MA

M.G.L. c.21A sec. 16, 310 CMR 5.00

01581-0000

ENF DATE: 12/19/2000

2328001

CLASS: COM

TOWN: WESTBOROUGH

Location Where Noncompliance Occurred:

Monitoring Period

WESTBORO STATE HOSPITAL

Comments

Monitoring Period

Contaminant Group

Comments

07/01/2000 09/30/2000 DI(2-ETHYLHEXYL)PHTHALATE - MWRA WACHUSETT AQUEDU

Contaminant Group

## Description of Violations under M.G.L. c. 111 sec. 159-160 and 310 CMR 22.00

The Department of Environmental Protection (DEP), Drinking Water Program, has not received your system's monitoring results and/or the DEP has received an incomplete submittal for the contaminant(s) during the monitoring period(s) specified in Section B. As such, your public water system is in violation of one or more of the following Monitoring and Reporting requirements:

- failure to report to the DEP analytical results for the contaminant(s) during the monitoring period(s) specified in Section B, as required by 310 CMR 22.15;
- failure to monitor for the contaminant(s) during the monitoring period(s) listed above in Section B, as required by 310 CMR 22.03(1);
- failure to notify the DEP of your system's failure to monitor, as required by 310 CMR 22.15;
- failure to notify the public of your system's failure to monitor, as required by 310 CMR 22.16.

## Corrective Actions to Take and Deadline for Taking Such Actions

- 1. If your system has already collected and analyzed samples for the contaminant(s) during the monitoring period(s) listed above in Section B, you must submit two (2) copies of the sampling results to your DEP Regional Office within 10 days of receiving this Monitoring and Reporting Notice of Noncompliance (NON). You must also complete and submit the attached Monitoring and Reporting Violation Response Form (MRVRF) with your results.
- 2. If your system has not collected samples for the contaminant(s) during the monitoring period(s) listed above in Section B, you must take the following actions within 30 days of receiving this NON:
  - Provide public notice and submit a copy of the public notice to your DEP Regional Office. You must also complete and submit to the DEP the attached MRVRF with your notice. Please refer to the enclosed 'Monitoring and Reporting Violation Public Notice'.
  - Immediately coilect and analyze sample(s) for the contaminants listed above in Section B. Submit two (2) copies of the sampling results to your DEP Regional Office. Continue to collect samples for all contaminants according to your most recent sampling schedule. You must also complete and submit to the DEP the attached MRVRF with your results.
  - You must continue to collect samples for all contaminants according to your most recent sampling schedule.
- 3. In addition, if you have two or more monitoring and reporting violations within the last 12 months, you are a potential Significant Noncomplier (SNC) and you are required to submit a plan to the DEP within 30 days detailing the specific actions you will take to prevent further noncompliance. You must also complete and attach the MRVRF with your submittal.

## Important Information

An administrative penalty may be assessed for every day from now on that you are in noncompliance with the requirements described in this Notice of Noncompliance (NON). Notwithstanding this NON, the Department reserves the right to exercise the full extent of its legal authority in order to obtain full compliance with all applicable requirements including, but not limited to, criminal prosecution, civil action, including court-imposed civil penalties or administrative penalties assessed by the Department.

CC: DEP BOSTON-Office of Enforcement(Mike Maher) / DWP Boston

DWP CERO- Cheryl Poirer / ENF Book (certified receipt) / "File Copy"

Local BOH- WESTBOROUGH

Certified Operator

Watershed Chief - Bureau of Resource Protection



M-289-9-57-1151 June 13, 2002

Henry Danis Town Coordinator 34 West Main Street Westborough, MA 01581

Attention: Mr. Danis, Town Administrator

Re: Submittal of a Phase I Initial Site Investigation and Tier II Classification Massachusetts Department of Mental Health Westborough State Hospital Lyman Street Westborough, Massachusetts DEP Release Tracking Number 2-13846

Dear Mr. Danis:

In accordance with the Public Notification Procedures of the Massachusetts Contingency Plan 310 CMR 40.1403, we are hereby notifying you of submittal to the Massachusetts Department of Environmental Protection (DEP) of a Phase I Initial Site Investigation 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. Tier II sites are those which pose a relatively low degree of risk to surrounding receptors. The attached Legal Notice for the above referenced property will be published in an upcoming edition of the Worcester Telegram & Gazette.

A copy of the Phase 1 Report and Tier Classification is available for public review at the Central Regional Office of the Massachusetts Department of Environmental Protection (DEP) at 627 Main Street in Worcester, Massachusetts. Public file review sessions are conducted on Tuesdays and Thursdays, from 9:00 a.m. until 12:00 p.m. and 1:00 p.m. until 4:00 p.m. For more information about file review, contact the DEP at (508) 792-7683.

If you have any questions regarding this correspondence, please contact me at (508) 754-2201.

Very truly yours,

TIGHE & BOND, INC

Kenneth J. Gendron Hydrogeologist

F.\PROJECTS\M\M289\KEROSENE RELEASE AREA\PHASE I\PHI PUBNOT.DOC

cc: Westborough Board of Health, Paul McNulty, 34 W. Main Street, Westborough, MA

Massachusetts DEP Central Region

Massachusetts Department of Mental Health

## Massachusetts Department of Environmental Management Office of Water Resources

06-92 145368

TYPE OF PRINTING Well Completion Report															
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NOTE: Well Completion Reports must be filed by the registered well driller within 30 days of well completion.

## Massachusetts Department of Environmental Management Office of Water Resources

131111

### TYPE OR PRINT ONLY

## **Well Completion Report**

1. WELL LOCATION	GPS (OPTIONAL)	LATITUDE		LONGITUDE		
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Subdivision Name:	Address at Well Location: 200 LYMA 31 Property Owner: Property Owner: 100 CRESCENT Rd 100 CRESCENT Rd 100 City/Town: WESTBORD, MA 00194					
City/Town: <u>Wと名で</u>	BORO, MA	City/To	wn: <u> </u>	HAM, MA	02194	
Assessors Map	Assessors Lot #	: NOTE:	Assessors Map and	Lot # mandatory if no s	treet address available	
Board of Health permit o	Board of Health permit obtained: Yes □ Not Required ☑ Permit Number Date Issued					
2. WORK PERFORMED		3. PROPOSED USE		4. DRILLING METHO	D	
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14. PERMANENT PUMP	(IF AVAILABLE)			15. NAME/ADDRESS OF PUM	P INSTALLATION COMPANY	
Pump Description		Hors	epower			
16. COMMENTS / // / / / / / This well was drilled and/or abandoned under my supervision, according to applicable rules						
17. WELL DRILLER'S S	TATEMENT	This well was drilled and and regulations, and this	d/or abandoned unde s report/is complete⊴	r my supervision, accor and correct to the best of	ding to applicable rules	
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Firm: JAS Dicore	ation Corp.	-	_ Date:	$I \cap II$		

NOTE: Well Completion Reports must be filed by the registered well driller within 30 days of well completion.



## WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP: 332-817
MassDEP File #
eDEP Transaction #

Please note: this form has been modified with added space to accommodate the Registry of Deeds Requirements

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Westborough City/Town A. General Information Westborough 1. From: Conservation Commission 2. This issuance is for a. 🖾 Order of Conditions b. 🗌 Amended Order of Conditions (check one): 3. To: Applicant: Krishna Mishra a. First Name b. Last Name Comm Of Mass. Dept of Mental Health c. Organization 25 Staniford St. d. Mailing Address Boston MA 02114 e. City/Town f. State g. Zip Code 4. Property Owner (if different from applicant): Krishna Mishra a. First Name b. Last Name Commonwealth of Massachusetts c. Organization 167 Lyman Street d. Mailing Address Westborough MA 01581 e. City/Town f. State g. Zip Code

167 Lyman Street a. Street Address	Westborough							
34		b. City/Tow 141	'n					
c. Assessors Map/Plat Number		d. Parcel/L	ot Numbe	r				
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## WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP: 332-817
MassDEP File #
-DED T
eDEP Transaction #
Westborough
City/Town

## A. General Information (cont.)

6.	Property	recorded at the R	egis:	` try o	, f Deec	ds for	(attach additior	nal ir	nformation if more than
	one parce	el):							
	Worceste a. County	<u> </u>					h O-416-4- M		
	615						b. Certificate Num	nper (	if registered land)
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		12/29/10				1/11/			1 /a. lam
7.	Dates:	a. Date Notice of In	tent F	iled			Public Hearing C	losed	c. Date of Issuance
8.	as neede	d):			cumer				n or document reference
		uilding Site Plan (	Phas	se II)	)				
	a. Plan Title			_					
		Cormier Engineer	ring A	Asso	ciates	,	Robert Cormie		
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B	Findin								9, 54,10
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1.	Findings p	oursuant to the M	assa	chus	setts V	/etlan	ds Protection A	\ct:	•
	provided i the areas	n this application	and propo	pres osed	ented is sigi	at the nificar	public hearing	ı, thi	pased on the information s Commission finds that aterests of the Wetlands
Э.	□ Public	: Water Supply	b.		Land	Conta	aining Shellfish	C.	☐ Prevention of Pollution
1.	⊠ Privat	e Water Supply	e.		Fishe	ries		f.	□ Protection of Wildlife Habitat
].	⊠ Grour	dwater Supply	h.		Storm	n Dam	age Prevention	٦i.	⊠ Flood Control
2.	This Comr	nission hereby find	ds the	e pro	ject, a	s prop	osed, is: (check	one	e of the following boxes)
٩p	<b>proved</b> sub	oject to:							
1.	standards be perforn General C that the fo	set forth in the w ned in accordance	etlan e witl ny oth s mod	ids re h the ner s dify c	egulati Notic pecial or diffe	ions. <sup>-</sup> e of Ir condi er from	This Commission tent reference tions attached the plans, spe	on or d ab to the cific	h the performance rders that all work shall ove, the following is Order. To the extent ations, or other I control.



## WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP: 332-817				
MassDEP File #				
, , , , , ,				
eDEP Transaction #				
Westborough				
City/Town				

## B. Findings (cont.)

De	enie	d because:				ø
b.	un pro <b>th</b> e	the proposed work ca the wetland regulations til a new Notice of Inter otect the interests of the performance standa der.	. Therefore, work of is submitted wh e Act, and a final	on this project nich provides ma Order of Condit	may not go forware easures which ar ions is issued. <b>A</b>	ard unless and re adequate to description of
C.	Th Inte ade de	the information submirk, or the effect of the werefore, work on this prent is submitted which pequate to protect the Acscription of the specifached to this Order as	vork on the intere oject may not go provides sufficien ct's interests, and ic information v	ests identified in forward unless it information ar I a final Order o which is lacking	the Wetlands Pr and until a revise and includes meas f Conditions is is:	otection Act.  ed Notice of ures which are
3.	dis	Buffer Zone Impacts: Sturbance and the wetter	Shortest distance	between limit o	of project	27-feet
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Re	sour	ce Area	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
4.		Bank	a. linear feet	b. linear feet	c. linear feet	d. linear feet
5.		Bordering				d. iiilodi icot
6.		Vegetated Wetland Land Under	a. square feet	b. square feet	c. square feet	d. square feet
0.		Waterways	a. square feet	b. square feet	c. square feet	d. square feet
	[]		e. c/y dredged	f. c/y dredged		
7.	∟ Sub	Bordering Land oject to Flooding	a. square feet	b. square feet	c. square feet	d. square feet
	Cub	ic Feet Flood Storage	e. cubic feet	f. cubic feet	or orbin for t	<del></del>
8.		Isolated Land	e. cubic leet	i. cubic leet	g. cubic feet	h. cubic feet
	Sub	ject to Flooding	a. square feet	b. square feet		
	Cub	ic Feet Flood Storage	c. cubic feet	d. cubic feet	e. cubic feet	f. cubic feet
9.		Riverfront Area	a. total sq. feet	b. total sq. feet		•
		Sq ft within 100 ft	c. square feet	d. square feet	e. square feet	f. square feet
		Sq ft between 100- 200 ft	g. square feet	h. square feet	i square feet	i square feet

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## WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:				
332-817				
MassDEP File #				
eDEP Transaction #				
Westborough				

City/Town

## B. Findings (cont.)

Со	astal Resource Area Impa	cts: Check all the	at apply below.	(For Approvals (	Only)			
		Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement			
10.	□ Designated Port     Areas	Indicate size under Land Under the Ocean, below						
11.	Land Under the Ocean	a. square feet						
	Ocean	a. square reet	b. square feet					
		c. c/y dredged	d. c/y dredged					
12.	☐ Barrier Beaches	Indicate size ur below	ider Coastal Be	aches and/or Co	astal Dunes			
13.	Coastal Beaches	a. square feet	b. square feet	cu yd c. nourishment	cu yd			
		a. square reet	b. square reet		d. nourishment			
14.	Coastal Dunes	a. square feet	b. square feet	c. nourishment	cu yd d. nourishment			
15.	☐ Coastal Banks	a. linear feet	b. linear feet					
16.	Rocky Intertidal Shores	a. square feet	b. square feet					
17.	Salt Marshes	a. square feet	b. square feet	c. square feet	d. square feet			
18.	Land Under Salt Ponds	a. square feet	b. square feet					
		c. c/y dredged	d. c/y dredged					
19.	Land Containing Shellfish	a. square feet	b. square feet	c. square feet	d. square feet			
20.	Fish Runs	Indicate size un the Ocean, and Waterways, abo	or inland Land	nks, Inland Bank, Under Waterbod	Land Under ies and			
21.	☐ Land Subject to	a. c/y dredged	b. c/y dredged					
	Coastal Storm Flowage	a. square feet	b. square feet	•				



## WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided	by MassDEP:
332-817	•
MassDFF	File #

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## B. Findings (cont.)

* #22. If the project is for	22.
the purpose of	
restoring or	
enhancing a	
wetland	
resource area	23.
in addition to	
the square	
footage that	
has been	$\overline{\mathbf{C}}$
entered in	Ο.
Section B.5.c	
(BVW) or	Th
B.17.c (Salt	1 11
Marsh) above,	1.
please enter	١.
picase criter	
the additional	

22.	Restoration/Enhancement *:		
	a. square feet of BVW	b. square feet of salt marsh	
23.	Stream Crossing(s):		
	a. number of new stream crossings	b. number of replacement stream crossings	

## C. General Conditions Under Massachusetts Wetlands Protection Act

## The following conditions are only applicable to Approved projects.

- 1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
- 2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
- 3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.
- 4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
  - a. the work is a maintenance dredging project as provided for in the Act; or
  - b. the time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance. If this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
- 5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
- 6. If this Order constitutes an Amended Order of Conditions, this Amended Order of Conditions does not extend the issuance date of the original Final Order of Conditions and the Order will expire on unless extended in writing by the Department.
- 7. Any fill used in connection with this project shall be clean fill. Any fill shall contain no trash, refuse, rubbish, or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles, or parts of any of the foregoing.
- 8. This Order is not final until all administrative appeal periods from this Order have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed.



## WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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## C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

- 9. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to the Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work.
- 10. A sign shall be displayed at the site not less then two square feet or more than three square feet in size bearing the words,

"Massachusetts Department of Environmental Protection" [or, "MassDEP
----------------------------------------------------------------------

"File Number <u>332-817</u>

- 11. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before MassDEP.
- 12. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Conservation Commission.
- 13. The work shall conform to the plans and special conditions referenced in this order.
- 14. Any change to the plans identified in Condition #13 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
- 15. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
- 16. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.
- 17. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Conservation Commission.



## **WPA Form 5 – Order of Conditions**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:		
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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

18. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Conservation Commission, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.

NOTICE OF STORMWATER CONTROL AND MAINTENANCE REQUIREMENTS

- 19. The work associated with this Order (the "Project") is (1) ⊠ is not (2) ☐ subject to the Massachusetts Stormwater Standards. If the work is subject to the Stormwater Standards, then the project is subject to the following conditions:
  - a) All work, including site preparation, land disturbance, construction and redevelopment, shall be implemented in accordance with the construction period pollution prevention and erosion and sedimentation control plan and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Construction General Permit as required by Stormwater Condition 8. Construction period erosion, sedimentation and pollution control measures and best management practices (BMPs) shall remain in place until the site is fully stabilized.
  - b) No stormwater runoff may be discharged to the post-construction stormwater BMPs unless and until a Registered Professional Engineer provides a Certification that: *i.* all construction period BMPs have been removed or will be removed by a date certain specified in the Certification. For any construction period BMPs intended to be converted to post construction operation for stormwater attenuation, recharge, and/or treatment, the conversion is allowed by the MassDEP Stormwater Handbook BMP specifications and that the BMP has been properly cleaned or prepared for post construction operation, including removal of all construction period sediment trapped in inlet and outlet control structures; *ii.* as-built final construction BMP plans are included, signed and stamped by a Registered Professional Engineer, certifying the site is fully stabilized;

iii. any illicit discharges to the stormwater management system have been removed, as per the requirements of Stormwater Standard 10;

iv. all post-construction stormwater BMPs are installed in accordance with the plans (including all planting plans) approved by the issuing authority, and have been inspected to ensure that they are not damaged and that they are in proper working condition; v. any vegetation associated with post-construction BMPs is suitably established to withstand erosion.



## WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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## C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

- c) The landowner is responsible for BMP maintenance until the issuing authority is notified that another party has legally assumed responsibility for BMP maintenance. Prior to requesting a Certificate of Compliance, or Partial Certificate of Compliance, the responsible party (defined in General Condition 18(e)) shall execute and submit to the issuing authority an Operation and Maintenance Compliance Statement ("O&M Statement) for the Stormwater BMPs identifying the party responsible for implementing the stormwater BMP Operation and Maintenance Plan ("O&M Plan") and certifying the following: *i*.) the O&M Plan is complete and will be implemented upon receipt of the Certificate of Compliance, and *ii*.) the future responsible parties shall be notified in writing of their ongoing legal responsibility to operate and maintain the stormwater management BMPs and implement the Stormwater Pollution Prevention Plan.
- d) Post-construction pollution prevention and source control shall be implemented in accordance with the long-term pollution prevention plan section of the approved Stormwater Report and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Multi-Sector General Permit.
- e) Unless and until another party accepts responsibility, the landowner, or owner of any drainage easement, assumes responsibility for maintaining each BMP. To overcome this presumption, the landowner of the property must submit to the issuing authority a legally binding agreement of record, acceptable to the issuing authority, evidencing that another entity has accepted responsibility for maintaining the BMP, and that the proposed responsible party shall be treated as a permittee for purposes of implementing the requirements of Conditions 18(f) through 18(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 18(f) through 18(k) with respect to that BMP shall be a violation of the Order of Conditions or Certificate of Compliance. In the case of stormwater BMPs that are serving more than one lot, the legally binding agreement shall also identify the lots that will be serviced by the stormwater BMPs. A plan and easement deed that grants the responsible party access to perform the required operation and maintenance must be submitted along with the legally binding agreement.
- f) The responsible party shall operate and maintain all stormwater BMPs in accordance with the design plans, the O&M Plan, and the requirements of the Massachusetts Stormwater Handbook.



## WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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## C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

- g) The responsible party shall:
  - 1. Maintain an operation and maintenance log for the last three (3) consecutive calendar years of inspections, repairs, maintenance and/or replacement of the stormwater management system or any part thereof, and disposal (for disposal the log shall indicate the type of material and the disposal location);
  - 2. Make the maintenance log available to MassDEP and the Conservation Commission ("Commission") upon request; and
  - Allow members and agents of the MassDEP and the Commission to enter and
    inspect the site to evaluate and ensure that the responsible party is in compliance
    with the requirements for each BMP established in the O&M Plan approved by the
    issuing authority.
- h) All sediment or other contaminants removed from stormwater BMPs shall be disposed of in accordance with all applicable federal, state, and local laws and regulations.
- i) Illicit discharges to the stormwater management system as defined in 310 CMR 10.04 are prohibited.
- j) The stormwater management system approved in the Order of Conditions shall not be changed without the prior written approval of the issuing authority.
- k) Areas designated as qualifying pervious areas for the purpose of the Low Impact Site Design Credit (as defined in the MassDEP Stormwater Handbook, Volume 3, Chapter 1, Low Impact Development Site Design Credits) shall not be altered without the prior written approval of the issuing authority.
- I) Access for maintenance, repair, and/or replacement of BMPs shall not be withheld. Any fencing constructed around stormwater BMPs shall include access gates and shall be at least six inches above grade to allow for wildlife passage.

Special Conditions (if you need more space for additional conditions, please attach a to document):  See attached 30-34	эxt

## Conditions (DEP File # 332-817)

## Hadley Building 167 Lyman Street

- 20. This Order of Conditions authorizes only the activity described on the Approved Plans entitled "Hadley Building Site Plan Phase II", dated December 17, 2010. The stormwater is managed and maintained in accordance with the "Stormwater Management Report" dated December 17, 2010. The existing underground drain pipes were inspected and the findings are included in a memo dated July 21, 2010. Any other or additional activity in areas within the jurisdiction of the Conservation Commission will require separate review and approval.
- 21. The term "Applicant" as used in this Order of Conditions shall refer to the owner, any successor in interest or successor in control of the property referenced in the Notice of Intent, supporting documents and this Order of Conditions. The Conservation Commission shall be notified in writing within 30 days of all transfers of title of any portion of property subject to this Order of Conditions.
- 22. The Applicant shall engage the services of a Commonwealth of Massachusetts Registered Professional Civil Engineer, hereinafter (Professional Engineer) to provide construction oversight as contemplated in this Order. The Professional Engineer will observe the contractor(s) and will visit the site regularly whenever construction/land clearing alteration activity occurs within jurisdictional areas or areas that could potentially alter jurisdictional areas. The Professional Engineer will immediately notify the Assistant Conservation Officer or the Conservation Commission, hereinafter (Agent) of any matter that requires attention by the Agent. The Professional Engineer will maintain records of the activity and provide bi-weekly written reports to the Agent until such time as the Agent determines that the written reports are no longer warranted. The Agent reserves the right to conduct on-site progress meetings with the Professional Engineer, contractor(s), and other associated interested parties.
- 23. The erosion control barrier, consisting of haybales and silt fence, shall be observed by the Professional Engineer to confirm proper installation. Stamped written certification shall be sent to the Agent stating that the erosion controls were installed in the locations as shown on the Approved Plan. The erosion controls shall be installed within one week after the completion of the tree harvesting or earlier, if so determined by the Agent. Within two (2) business days after receipt of the erosion control barrier certification, the Agent shall inspect the erosion control barrier with the Professional Engineer and the site contractor(s) prior to any site construction/land clearing alteration activity. The Agent reserves the right to request the haybales and silt fence to be relocated, additional haybales and siltfence to be installed, or removed if reasonably warranted.
- 24. Prior to any construction/land clearing alteration activity, the Professional Engineer shall submit the following to the Agent:

- a. A copy of the recorded Order of Conditions.
- b. A project/construction sequencing plan with an attached timeline.
- c. A <u>statement</u> signed by the Applicant and the person responsible for the construction of the project (supervising site contractor) that such individuals understand the terms and conditions as specified in the Order of Conditions and that such persons agree to comply with the provisions of the Wetlands Protection Act/local Wetland Bylaw Regulations and this Order of Conditions.
- 25. Preliminary soil investigations within the proposed footprint of both Basin 1 and Basin 2 should historic clean fill ranging in depth from 3 feet to 8 feet. Much of this material will be removed and shall be disposed of off-site. Dewatering is not anticipated but if warranted dewatering locations shall be approved by the Agent and shall be monitored by the site contractor daily to ensure that sediment-laden water is appropriately settled prior to discharge. No discharge of water is allowed directly into an area subject to the jurisdiction of the Wetlands Protection Act.
- Before any construction commences on the proposed infiltration/sedimentation Basins 1 & 2, the Professional Land Surveyor or Professional Engineer shall provide stamped certification to the Agent that the staked layout of the infiltration/sedimentation Basins conform to the locations as shown on the Approved Plan.
- 27. Upon completion of the sub-grading associated with the proposed infiltration/sedimentation Basins 1 & 2, the Professional Engineer shall provide stamped written certification to the Agent verifying that the groundwater elevation conforms with the Stormwater Management Report and the amount of imported clean fill has been sub-graded to the proper contour. In addition to the stamped written certification, an on-site meeting to observe the sub-grading shall also commence involving at a minimum, the Agent, Professional Engineer, and the contractor(s). Should no issues arise from the on-site meeting, the contractor can resume constructing the remaining elements associated with the Basins. The stamped certification(s) and the on-site meeting(s) can be done singularly or preferably, all at one time.
- 28. A stamped as-built shall be submitted by the Professional Engineer and Professional Land Surveyor to the Agent upon completion of Basins 1 & 2 and all other drainage improvements.
- 29. The Agent reserves the right to require that any related drainage structures be cleaned during construction. Post-construction maintenance shall adhere to the Operation and Maintenance Plan, dated December 17, 2010.
- 30. If any material change is made on the Approved Plan, the Applicant, site contractor or the Professional Engineer shall inquire from the Agent prior to implementing the change in the field, whether the change is significant enough to

require the filing of a new or modified Notice of Intent. Any material errors on the plans shall be considered changes and the above procedure shall be followed. In the event that a change is significant to require a new or modified Notice of Intent, the Conservation Commission reserves the right to hire an outside consultant at the expense of the Applicant to review such changes.

- 31. No material of any kind may be buried, placed or dispersed in areas within the jurisdiction of the Conservation Commission, except as are expressly permitted by this Order of Conditions and what is shown on the Approved Plan.
- 32. No construction/ land clearing alteration activity shall occur beyond the limits of clearing as shown on the Approved Plan.
- 33. Accumulated and historic trash and debris shall be removed from the wetlands and adjacent buffer zone under the direction of the Agent.
- 34. The Professional Engineer shall provide stamped certification to the Agent that the existing pipes that are to be permanently abandoned were in fact filled with flowable fill.



## WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP: 332-817
MassDEP File #
eDEP Transaction #
Westborough
City/Town

## D. Findings Under Municipal Wetlands Bylaw or Ordinance

1.	ls a	a municipal wetlands bylaw or ordinance applicable? 🔀 Yes 🔲 No
2.	The	Westborough hereby finds (check one that applies): Conservation Commission
	a.	that the proposed work cannot be conditioned to meet the standards set forth in a municipal ordinance or bylaw, specifically:
		1. Municipal Ordinance or Bylaw 2. Citation
		Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides measures which are adequate to meet these standards, and a final Order of Conditions is issued.
	b.	that the following additional conditions are necessary to comply with a municipal ordinance or bylaw:
		Municipal Ordinance or Bylaw     2. Citation
3.	con	e Commission orders that all work shall be performed in accordance with the following aditions and with the Notice of Intent referenced above. To the extent that the following aditions modify or differ from the plans, specifications, or other proposals submitted with Notice of Intent, the conditions shall control.
		e special conditions relating to municipal ordinance or bylaw are as follows (if you need re space for additional conditions, attach a text document):



## WPA Form 5 - Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP: 332-817

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City/Town

2. Number of Signers

## E. Signatures

This Order is valid for three years, unless otherwise specified as a special condition pursuant to General Conditions #4, from the date of issuance.

Please indicate the number of members who will sign this form. This Order must be signed by a majority of the Conservation Commission.

. Date of Issuance

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate Department of Environmental Protection Regional Office, if not filing electronically, and the property owner, if different from applicant.

Signatures:  Signa	Carle Telaching
by hand delivery on	by certified mail, return receipt requested, on
Date	Date

## F. Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate MassDEP Regional Office to issue a Superseding Order of Conditions. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request of Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

Any appellants seeking to appeal the Department's Superseding Order associated with this appeal will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order, or providing written information to the Department prior to issuance of a Superseding Order.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40), and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal ordinance or bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.



## WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP: 332-817

MassDEP File #

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## G. Recording Information

Prior to commencement of work, this Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on this page shall be submitted to the Conservation Commission listed below.

Detach on dotted line, have stamped by the Reg	istry of Deeds and	submit to the Conservation
Commission. To:		
Conservation Commission		
Please be advised that the Order of Conditions	for the Project at:	
Project Location	MassDEP File Nu	mber
Has been recorded at the Registry of Deeds of:		• •
County	Book	Page
for: Property Owner		
and has been noted in the chain of title of the af	fected property in:	
Book	Page	
In accordance with the Order of Conditions issue	ed on:	
Date		
If recorded land, the instrument number identifyi	ng this transaction	is:
Instrument Number		
If registered land, the document number identify	ing this transaction	is:
Document Number		
Signature of Applicant		



## COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION CENTRAL REGIONAL OFFICE

627 MAIN STREET, WORCESTER, MA 01608 508-792-7650

DEVAL L. PATRICK Governor

RICHARD K. SULLIVAN JR. Secretary

TIMOTHY P. MURRAY Lieutenant Governor KENNETH L. KIMMELL Commissioner

DATE: January 26, 2011

Municipality <u>WESTBOROUGH</u> (city/town)

### RE: NOTIFICATION OF WETLANDS PROTECTION ACT FILE NUMBER

The Department of Environmental Protection has received a Notice of Intent filed in accordance with the Wetlands Protection Act (M.G.L. c. 131, §40):

Applicant:

COMM OF MASS DMH

Owner:

Address:

25 STANIFORD ST

Address:

BOSTON, MA 02114

LOCUS:

167 LYMAN ST

This project has been assigned the following file #: CE 332-0817

## ISSUANCE OF A FILE NUMBER INDICATES <u>ONLY</u> COMPLETENESS OF SUBMITTAL, <u>NOT APPROVAL OF APPLICATION</u>

Although a file # is being issued, please note the following:

NONE NOTED.

If you have any questions regarding this letter, please contact: JOSEPH BELLINO @ (508)-767-2709

Cc: Westborough Conservation Commission, 34 West Main St, Westborough, MA, 01581
Representative: CUOCO AND CORMIER ENGINEERING ASSOCIATES, INC., 170 MAIN ST. UNIT 112, TEWKSBURY, MA, 01876

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 1-866-539-7622 or 1-617-574-6868. http://www.mass.gov/dep

Printed on Recycled Paper

COMM OF MASS DMH 25 STANIFORD ST BOSTON, MA 02114



## **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:		
MassDEP File Number		

Document	Transaction	Number

City/Town

## Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A.	General	Information	

		•	on button to locate project site):			
167 Lyman Street		Westborough	01581			
a. Street Address		b. City/Town	c. Zip Code			
Latitude and Long	iitude:	42° 17' 37"	71° 36' 14"			
_	mado.	d. Latitude	e. Longitude			
34		141-0				
f. Assessors Map/Plat	Number	g. Parcel /Lot Number				
2. Applicant:						
Krishna		Mishra				
a. First Name		b. Last Name				
	ept. of Mental Health					
c. Organization						
25 Staniford St						
d. Street Address						
Boston		MA	02114			
e. City/Town		f. State	g. Zip Code			
(617) 626-8054	(617) 626-8046	Krishna.Mishra@state.	<del>-</del> ,			
h. Phone Number	i. Fax Number	j. Email Address				
Commonwealth of c. Organization 167 Lyman Street	masacriastic					
d. Street Address						
Westborough		MA	01581			
e. City/Town		f. State	g. Zip Code			
(617) 626-8054	(617) 626-8046	Krishna.Mishra@state.i	ma.us			
h. Phone Number	i. Fax Number	j. Emall address				
. Representative (if	Representative (if any):					
Jeffrey		Rider				
a. First Name		b. Last Name				
	Cuoco and Cormier Engineering Associates, Inc.					
c. Company						
170 Main Street, L	Init 112					
d. Street Address						
Tewksbury		MA	01876-1763			
e. City/Town		f. State	g. Zip Code			
603 882 1812	603 882 3352	jrider@cuocoandcormie	er.com			
h. Phone Number	i. Fax Number	j. Email address				
. Total WPA Fee Pa	id (from NOI Wetland Fee	Transmittal Form):				
0	0	0				
a. Total Fee Paid	b. State		City/Town Fee Paid			



## WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

ded by		TANTY Valentia		
MassDI	EP Fil	e Num	nber	
Docum	ent Tr	ansac	tion Nu	ımber

City/Town

## A. General Information (continued)

6.	Gene	al Project Description:					
	Const	ruct infiltration basin at the	edge of the parking le	ot to	C	drain pipes direct discharge into wetland. collect stormwater runoff to provide performed within 100 ft wetland buffer area	
7a.	Projec	et Type Checklist:					
	1.	] Single Family Home	2	. [		Residential Subdivision	
	3.	Limited Project Driveway	Crossing 4	. [		Commercial/Industrial	
	5	Dock/Pier	6	. [	コ	Utilities	
	7.	Coastal Engineering Stru	icture 8	. [		Agriculture (e.g., cranberries, forestry)	
	9.	Transportation	1	0. 🏻	☒	Other	
7b.	Is any 10.24	Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?					
		Yes ⊠ No If yes, describe which limited project applies to this project:					
	2 Limite	ed Project					
8.		·	of Doods for				
Ο.		Property recorded at the Registry of Deeds for:					
	Worcester a. County			Cert	ific	icate # (if registered land)	
	615 c. Book			-	- N	Number	
B.		er Zone & Resour				emporary & permanent)	
1.						·	
1.	Vegeta	ated Wetland, Inland Bank,	or Coastal Resource	Are	ın a.	n the Buffer Zone of a Bordering	
2.	☐ Inl Coasta	and Resource Areas (see 3 al Resource Areas).	310 CMR 10.54-10.58	ያ; if r	not	ot applicable, go to Section B.3,	
	project	all that apply below. Attach will meet all performance and consideration of alternation	standards for each of	the	re	ting documentation describing how the esource areas altered, including standards on.	
	Resour	ce Area	Size of Proposed Alto	eratic	<u>on</u>	Proposed Replacement (if any)	
	а. 🔲	Bank	1. linear feet			2. linear feet	
	b. 🔲	Bordering Vegetated					
		Wetland	1. square feet			2. square feet	
	с. 🔲	Land Under Waterbodies and	1. square feet			2. square feet	
		Waterways	3. cubic yards dredged				

affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

For all projects



## WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

riovided (	oy MassDEP:
Mass	DEP File Number
Deal	ment Transaction Number

City/Town

## B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Resource Area		Size of Proposed Alteration	Proposed Replacement (if any)		
d. 🗌	Bordering Land Subject to Flooding	1. square feet	2. square feet		
-		3. cubic feet of flood storage lost	4. cubic feet replaced		
e. 📙	Isolated Land Subject to Flooding	1. square feet			
		2. cubic feet of flood storage lost	3. cubic feet replaced		
f. 🔲	Riverfront Area	Name of Waterway (if available)			
2.	Width of Riverfront Area (ch	neck one):			
	25 ft Designated De	ensely Developed Areas only			
	☐ 100 ft New agricultu	ıral projects only			
	200 ft All other proje	ects			
3.	Total area of Riverfront Area	a on the site of the proposed project	. square feet		
4.	Proposed alteration of the F	Riverfront Area:	Square 166t		
	otal amora fact	h foot-ville 400 ft			
	<ul> <li>a. total square feet</li> <li>b. square feet within 100 ft.</li> <li>c. square feet between 100 ft. and 200 ft.</li> </ul> 5. Has an alternatives analysis been done and is it attached to this NOI?  Yes No				
		ty is proposed created prior to Augu	st 1, 1996?		
☐ Coa	astal Resource Areas: (See	310 CMR 10.25-10.35)			
will me	eet all performance standard	n narrative and supporting documen is for each of the resource areas alto ve project design or location.	tation describing how the project ered, including standards		
Resou	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)		
а. 🔲	Designated Port Areas	Indicate size under Land Under t	he Ocean, below		
b. 🔲	Land Under the Ocean	1. square feet			
		2. cubic yards dredged			
с. 🔲	Barrier Beach	Indicate size under Coastal Beach	es and/or Coastal Dunes below		
d. 🔲	Coastal Beaches	1. square feet	2. cubic yards beach nourishment		
е. 🔲	Coastal Dunes	1. square feet	2. cubic yards dune nourishment		

3.

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



## WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Pro	ovided by MassDEP:
	MassDEP File Number
	Document Transaction Number

City/Town

## B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

			Size of Propose	d Alteration	Proposed Replacement (if any)
	f. 🔲	Coastal Banks	1. linear feet		
	g. 🔲	Rocky Intertidal Shores	1. square feet		
	h. 🔲	Salt Marshes	1. square feet		2. sq ft restoration, rehab., creation
	i. 🔲	Land Under Salt Ponds	1. square feet		
	. —	Land Cantainin	2. cubic yards dredo	ged	
	j. 📙	Land Containing Shellfish	1. square feet		
	k. 🔲	Fish Runs	Indicate size un Ocean, and/or in above	der Coastal Banl nland Land Unde	ks, inland Bank, Land Under the Pr Waterbodies and Waterways,
			1. cubic yards dredo	ged	
	I	Land Subject to Coastal Storm Flowage	1. square feet		
4.	Restoration/Enhancement  If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.				esource area in addition to the very please enter the additional
	a. square	e feet of BVW		b. square feet of S	alt Marsh
5.	☐ Pro	eject Involves Stream Cross	sings		
	a. numbe	er of new stream crossings		b. number of repla	cement stream crossings
C.	Othe	r Applicable Stand	dards and R	equirement	s
Stı	reamlin	ed Massachusetts End	angered Speci	es Act/Wetland	ds Protection Act Review
۱.	the mos Heritag <i>Natural</i>	st recent Estimated Habitat	Map of State-Lisi Program (NHES	ted Rare Wetland P)? To view hab	of Rare Wildlife as indicated on d Wildlife published by the Natural itat maps, see the <i>Massachusetts</i>
	a.	es 🛛 No If yes, inc	lude proof of ma	ailing or hand d	elivery of NOI to:
	b. Date o	Divisio Route	al Heritage and En on of Fisheries and 135, North Drive oorough, MA 01581	d Wildlife	s Program



1. c.

## Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Pro	ovided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	City/Town

## C. Other Applicable Standards and Requirements (cont'd)

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.C, and include requested materials with this Notice of Intent (NOI); OR complete Section C.1.d, if applicable. If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).

c. Sub	mit Supplemental Information for Endange	ered Species Review*	
1.	☐ Percentage/acreage of property to be alt	ered:	
	(a) within wetland Resource Area	percentage/acreage	
	(b) outside Resource Area	percentage/acreage	
2.	Assessor's Map or right-of-way plan	, ,	
3.	Project plans for entire project site, in wetlands jurisdiction, showing existing a tree/vegetation clearing line, and clearly	nd proposed conditions, ex	disting and proposed
	(a) Project description (including description)	cription of impacts outside	of wetland resource area &
	(b) Photographs representative of the	e site	
	(c) MESA filing fee (fee information a <a href="http://www.mass.gov/dfwele/dfw/nhesp">http://www.mass.gov/dfwele/dfw/nhesp</a> Make check payable to "Commonwe NHESP at above address	o/regulatory_review/mesa/r	<u>mesa fee schedule.htm</u> ). HESP" and <b>mail to</b>
	Projects altering 10 or more acres of land, a	also submit:	
	(d) Vegetation cover type map of site		
	(e) Project plans showing Priority & E	stimated Habitat boundarie	es
d. OR	Check One of the Following		
1. [	Project is exempt from MESA review Attach applicant letter indicating which http://www.mass.gov/dfwele/dfw/nhethe NOI must still be sent to NHESP 310 CMR 10.37 and 10.59.)	ch MESA exemption applies esp/regulatory_review/mesa	a/mesa_exemptions.htm;
2. [	Separate MESA review ongoing.	a. NHESP Tracking #	b. Date submitted to NHESP

<sup>\*</sup> Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <a href="http://www.mass.gov/dfwele/dfw/nhesp/nhesp.htm">http://www.mass.gov/dfwele/dfw/nhesp/nhesp.htm</a>, regulatory review tab). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

<sup>\*\*</sup> MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.

wpaform3.doc • rev. 11/16/09

Page 5 of 8



## Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by Ma	ssDEP:
MassDEP	File Number
Document	Transaction Number

					City/Town
C.	. Oth	ner A	Applicab	le Standards and Requir	rements (cont'd)
	3	3. 🗌	Include co	MESA review completed. py of NHESP "no Take" determination h approved plan.	on or valid Conservation & Management
2.			l projects or fish run?	nly, is any portion of the proposed pro	pject located below the mean high water
	а. 🛚	Not a	applicable –	project is in inland resource area on	ly
	b. 🔲	Yes	☐ No	If yes, include proof of mailing or h	and delivery of NOI to either:
				South Shore - Cohasset to Rhode Island, and the Cape & Islands:	North Shore - Hull to New Hampshire:
				Division of Marine Fisheries - Southeast Marine Fisheries Station Attn: Environmental Reviewer 1213 Purchase Street – 3rd Floor	Division of Marine Fisheries - North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

Gloucester, MA 01930

New Bedford, MA 02740-6694

A portion of the site constitutes redevelopment

No. Check why the project is exempt:

Single-family house

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)? If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP a. Yes ⊠ No Website for ACEC locations). Note: electronic filers click on Website. b. ACEC 4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00? a. 🗌 Yes 🛛 No Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)? a. 🗌 Yes 🔯 No Is this project subject to provisions of the MassDEP Stormwater Management Standards? а. 🛛 Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if: 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)

Proprietary BMPs are included in the Stormwater Management System.

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

2.

3.

1.

b. 🔲



WPA Form 3 – Notice of Intent
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Prov	ided by MassDEP:
	Meaning the Mark
	MassDEP File Number
	<b>Document Transaction Number</b>

					City/Town	
C.	Othe	er Ap	oplicable Standards and F	Requirements (con	t'd)	
	2.		Emergency road repair			
	з. [		Small Residential Subdivision (less tha equal to 4 units in multi-family housing	an or equal to 4 single-fam project) with no discharge	ily houses or less than or to Critical Areas.	
D.	Add	litior	nal Information			
	Applica	ants m	ust include the following with this Noti	ce of Intent (NOI). See ins	tructions for details.	
Online Users: Attach the document transaction number (provided on your receipt page) for following information you submit to the Department.				ceipt page) for any of the		
1. Substituting USGS or other map of the area (along with a narrative description, if necessary) of sufficient information for the Conservation Commission and the Department to loc (Electronic filers may omit this item.)			necessary) containing rtment to locate the site.			
	2. 🛚	Bord	s identifying the location of proposed a ering Vegetated Wetland [BVW] replic oundaries of each affected resource a	ation area or other mitigati	s proposed to serve as a ing measure) relative to	
	3. 🛚	Field	tify the method for BVW and other reso Data Form(s), Determination of Appli attach documentation of the methodolo	cability, Order of Resource	eations (MassDEP BVW Area Delineation, etc.),	
	4. 🛛	List ti	he titles and dates for all plans and oth	ner materials submitted wit	h this NOI.	
Hadley Building Site Plan (Phase II)						
	_	lan Title		D 1 10 1		
	Cuoco and Cormier Engineering Associates b. Prepared By 12/17/10			Robert Cormier c. Signed and Stamped by		
				1"=20'		
			vision Date	e. Scale		
	Dra	inage	Calculations for Stormwater Manager		12/17/10	
			and Maintenance Manuel	, ion	g. Date	
	5. 🔲	If the	re is more than one property owner, pl on this form.	lease attach a list of these		
	6.	Attac	Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.			
	7. 🗌	Attac	h proof of mailing for Massachusetts D	Division of Marine Fisheries	s, if needed.	
	8. 🛛	Attac	h NOI Wetland Fee Transmittal Form			
	9. 🛛	Attacl	h Stormwater Report, if needed.			



## WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDE	P File Number
Docume	ent Transaction Num

## E. Fees

1. Example: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number	3. Check date		
4. State Check Number	5. Check date		
6. Payor name on check: First Name	7. Payor name on check: Last Name		

## F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

_ Khyshice:	12/28/2010
1. Signature of Applicant	2. Date   2010
Signature of Property Owner (if different)	4. Date 4
5. Signature of Representative (if any)	6. Date

### For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

## For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

### Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



## Important: When filling out forms on the computer, use only the tab key to move your cursor - do not



use the return



## Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

## NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## A. Applicant Information

1.	Applicant:	pplicant:				
	Krishna		Mishra			
	a. First Name		b. Last Name			
	Commonwealth of Mass	s. Dept of Mental Health				
	c. Organization					
	25 Staniford St					
	d. Mailing Address					
	Boston		MA	02114		
	e. City/Town		f. State	g. Zip Code		
	(617) 626-8054	(617) 626-8046	Krishna.Mishra@state.ma.us			
	h. Phone Number	i. Fax Number	j. Email Address			
2.	Property Owner (if differ	ent):				
	Krishna		Mishra			
	a. First Name		b. Last Name			
	Commonwealth of Mass	achusetts				
	c. Organization					
	167 Lyman Street					
	d. Mailing Address					
	Westborough		MA	01581		
	e. City/Town		f. State	g. Zip Code		
	(617) 626-8054	(617) 626-8046	Krishna.Mishra@state.ma.us			
	h. Phone Number	i. Fax Number	j. Email Address			
3.	Project Location:					
	167 Lyman Street		Westborough			
	a. Street Address		b. City/Town			

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

## B. Fees

The fee should be calculated using the following six-step process and worksheet. **Please see Instructions before filling out worksheet.** 

**Step 1/Type of Activity:** Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

**Step 4/Subtotal Activity Fee:** Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

**Step 6/Fee Payments:** To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



## **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

## **NOI Wetland Fee Transmittal Form**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)			
Step 1/Type of Activity		Step ndividual tivity Fee	Step 4/Subtotal Activity Fee
			EXEMPT
	Step 5/Total P	roject Fee:	EXEMPT
	Step 6/Fee P	ayments:	
	Total Projec	ct Fee:	a. Total Fee from Step 5
	State share of filir	ng Fee:	b. 1/2 Total Fee <b>less \$</b> 12.50
	City/Town share of fill	ling Fee:	c. 1/2 Total Fee plus \$12.50

## C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection Box 4062 Boston, MA 02211

b.) To the Conservation Commission: Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

**To MassDEP Regional Office** (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



## NORTHEASTERN CONSULTING FORESTRY SERVICES

Land & Resource Management Wetland Site Evaluations & Delineations P.O. Box 294 • Lowell, MA 01853-0294



www.TeamNCFS.com • NCFS@Mindspring.com

Fax (978) 453-0979

## WETLANDS REPORT FOR 167 LYMAN STREET WESTBORO, MASSACHUSETTS

On March 8, 2010, Northeastern Consulting Forestry Services inspected a site at 167 Lyman St., in Westboro, Massachusetts to ascertain the existence of wetlands as defined by Sections 401 and 404 of 334 of U.S.C. 1344 (Federal Clean Water Act), Massachusetts General Law, Chapter 131, Section 40, (Massachusetts Wetlands Protection Act), and the Rivers Protection Act.

The method used to determine the jurisdictional boundary of the wetlands was the Department of Environmental Protection handbook, title Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act.

Upon examination, the following resource areas were determined to exist on or near the site:

- 1. Isolated Land Subject to Flooding
- 2. Bordering Vegetated Wetland associated with the Isolated Land Subject to Flooding

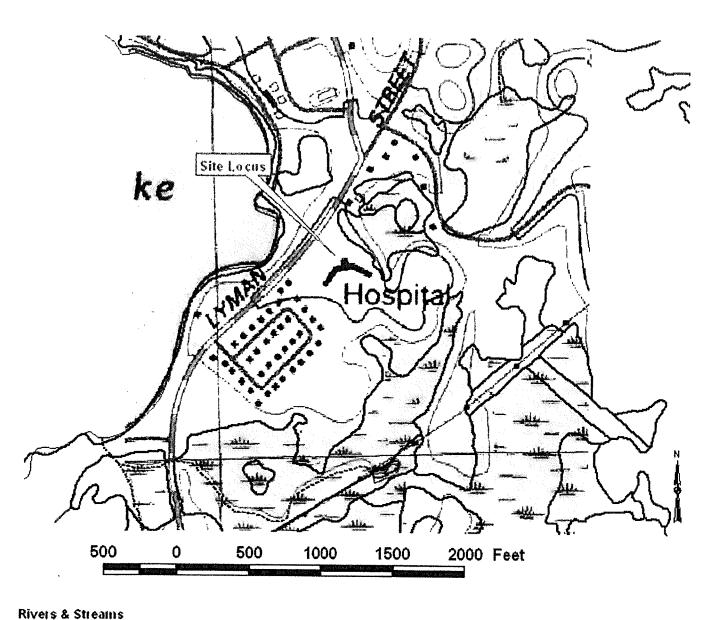
Bordering Vegetated Wetland Boundary stations were marked with Pink-glo flagging and numbered WF-1 through WF-22. The strips of flagging represents points where fifty-percent, or greater, of the vegetational community consists of upland species as defined in the Massachusetts Wetlands Protection Act M.G.L. Chapter 131, Section 40, 310 CMR 10.55 (2), and the Federal Clean Water Act Sections 401 and 404 of 334 of U.S.C. 1344. At each of these stations, a record of the vegetational community was inventoried.

At Bordering Vegetated Wetland Boundary Station WF- 11 Field Data Form, Section One was filled out to verify the fifty-percent line.

There is a Certified Vernal Pool on site per the Atlas and CD produced by the Natural Heritage & Endangered Species Program, MA Division of Fisheries & Wildlife and MassGIS valid from October 2009.

\* Note - On May 5<sup>th</sup>, 2010 this firm observed only an inch of water in the Certified Vernal Pool.

167 Lyman Street Westboro, MA Wetlands Map



# Perennial Stream // Intermittent Stream Shoreline Intermittent Shoreline Manmade Shoreline Ditch/Canal Aqueduct Dam Channel in Water DEP Wetlands (1: 12.000) Wetlands Boundaries Hydrologic Connection Approx. Mean Low Water Line Edge of Interpreted Area MA Town Boundaries

## Prepared by:

Northeastern Consulting Forestry Services

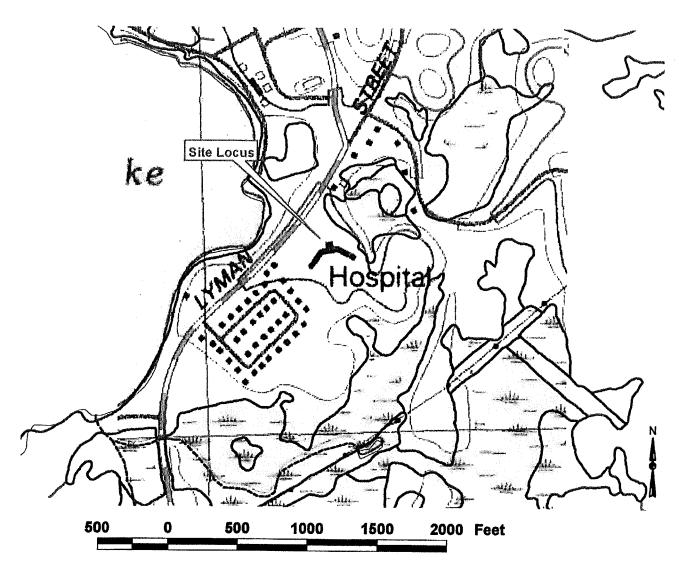
Low ell (978) 453-7471

Lunenburg (978) 582-9079

www.teamNCFS.com

Nap produced tring MareGIS

167 Lyman Street Westboro, MA Wetlands Map



# Rivers & Streams Perennial Stream Intermittent Stream Shoreline Intermittent Shoreline Manmade Shoreline Ditch/Canal Aqueduct Dam Channel in Water DEP Wetlands (1:12,000) Wetlands Boundaries Hydrologic Connection Approx. Mean Low Water Line Edge of Interpreted Area MA Town Boundaries

Prepared by:

Northeastern Consulting Forestry Services

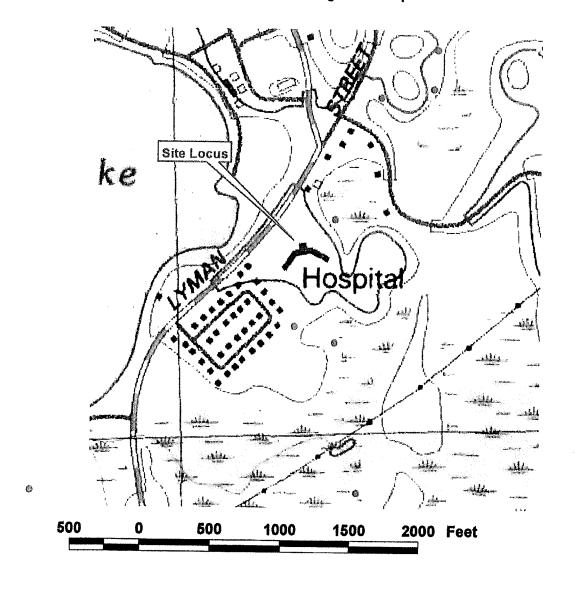
Lowell (978) 453-7471

Lunenburg (978) 582-9079

www.teamNCFS.com

Map produced using MassGIS

## 167 Lyman Street Westboro, MA Natural Heritage Data Map



Priority Habitat
Certified Vernal Pool
ACEC's
MA Town Boundaries

Prepared by:

Northeastern Consulting Forestry Services

Lowell (978) 453-7471

Lunenburg (978) 582-9079

www.teamNCFS.com

## NavTeq Out of State Other Streets Names vi NavTeq Out of State Other Streets W Roads V Towns tabels F Zone A 300 m (1.14795) WESTROHOUGH NORTHBOROUGH COOMING TO TO MENSOR

# HADLEY BUILDING

167 LYMAN STREET

M NavleqMA State Highways

VI NavTeq MA US Highways

M NHESP Certified vernal Pools

(2) MassDOT Roads by Class

Limited Access Highway

Multi-Jane Hwy, Not Limited Access other Numbered Hwy

Major Road - Collector

Minor Street or Road, Ramp

Interstate Highways Major MassDOT Routes

State

M Massachusetts Town Boundaries

MARCHITAGE - They may book y not mask national male automotive standards, and county be seed for expressing numbers. Physics constitutions of tree all marchitages.

Source, Massista (union mastrapolomers), Magis and photos are for placeing mapoles only

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Deli

	plants: 1	wetland indicator pla	<ol> <li>Number of dominant non-wetland indicator</li> </ol>	Number of dominant wetland indicator plants:
egnum;plants listed as vator plants due to	40); plants in the genus <i>Sphagnum;plants liated</i> as re identified as wetlands indicator plants due to	nnAct (MGLc. 131, .s.40); lations. If any plants are ic	scies listed intheWetiands Protection physiological or morphological adapt splation next to the asterisk.	<ul> <li>Usean asterisko markwetland indicator plants: plant species listed intheWetlands ProtectionAct (MGLc. 131, .s.40); plants in the genus Sphagnum:plants listed FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations, describe the adaptation next to the asterisk.</li> </ul>
FAC+*	Yes	45	50	Sweet Pepperbush/Clethra alnifolia
FAC*	Yes	55	60	Red Maple/Acer rubru, m
				Shrub
UPL	Yes	100	10	Norway Maple/Acer platanoides
				Sapling
E. Welland Indicator Category*	D. Dominant Plant (yes or no)	C. Percent Dominance	B. Percent Cover (or basal area)	A. Sample Layer and Plant Species (by common / scientific name)
Date of Delineation: 5/5/10	Date of Del	Transect Number: WF-11	Observation Plot Number: WF-11upside To	Section 1. Vegetation Observation
	<u>.</u>	tion I only fill out Sections I and 11	neate BVW boundary: fill out Sec used to delineate BVW boundary: ch additional information)	hat a geta getat thoc
le#	St, Westboro DEP File #	t kw.afion: 167 Lyman St	Prepared by: Nottheastern Consulting Forestry Services Project kw afton: 167 Lyman St., Westboro	Applicant Prepared by: Nottheastern

ľ.q

MA DER 3195

If the vegetation alone is presumed adequate to delineate the BVW boundry, Submit this torm w4th the Request forDefermination, otApplicability or Notice of Intent. Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes [X] no

6760-834 (879)

# DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant Prepared by	Prepared by: Northeastern Consulting Forestry Services Project by aften: 167 Lyman St., Westborn	Forestry Services Proje	ot kny afinn: 167 Lyman Si	. Westhow DEP File #	
eck all that apply:	•				
Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only	equate to delineate BVM	/ boundary: fill out Se	ction I only		
Method other than dominance test used (attach additional information)	of hydrology used to deli est used (attach addillon	neate BVW boundary: af information)	fill out Sections I and 1		
Section 1. Vegetation	Observation Plot Number: WF-11upside		Transect Number_WF-11	Date of De	Date of Delineation: 5/5/10
A. Sample Layer and Plant Species (by common / scientific name)		B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator
Tree					
Black Oak/Quercus velutina		80	100	Vac	7 TB1
Sapling				1.68	Orb
Norway Maple/Acer platanoides		5	100	Yes	Idu
Shrub					21.1
Sweet Pepperbush/Clethra alnifolia		5	17	\$	EACT#
lapanese Barberry/Berberis thurbergii		5	17	\$	FACTI
Honeysuckle/Lonicera x bella		20	67	Væ	EAC.
Vine					
Bittersweet/Celastrus scandens		15	100	Yes	FACU-
					1.000

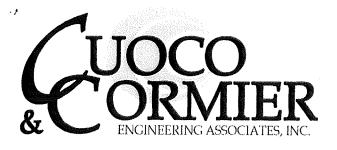
If the vegetation alone is presumed adequate to delineate the BVW boundry. Submit this torm w4th the Request forDeformination, otApplicability or Notice of intent.

is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes

MA DER 3195

s M

Usean asteriskto markwetland indicator plants: plant species listed intheWetlands ProtectionAct (MGLc.131, .s.40); plants in the genus Sphegnum; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetlands indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk. Number of dominant wetland indicator plants: Vegetation conclusion: 0 Number of dominant non-wetland indicator plants:



LAND PLANNING SERVICES

« NASHUA, NH
« TEWKSBURY, MA

74 Northeastern Blvd. - Unit 10A Nashua, NH 03062-3142 Tel. (603) 882-1812 Fax. (603) 882-3352 www.cuocoandcormier.com

#### **MEMO**

From:

Ting Chang

Date:

September 21. 2010

To:

Krishna Mishra

CC:

Jeff Rider; 8463

RE:

Westborough State Hospital

On September 20, 2010, I was on site with John's sewer to investigate the existing drainage system at the front parking lot of the Hadley Building as part of the Conservation Commission request to identify existing drainage pipe connection source. During the investigation, John's sewer perform pipe cleaning with water jet and video the existing pipe to identify the pipe connection and its conditions. Where the drainage pipe doesn't have any access point; dye test was perform to determine the connection source of the existing drainage pipe. Following is the result of the investigation (see attached sketch for pipe naming and numbering):

Pipe I (from CB I to headwall): This pipe collect stormwater runoff on the parking lot via catch basin then discharge into the wetland buffer area. This pipe was jet clean and video. There are few misjoints in the existing 8" pipe, mis-joints located at approximately 8 ft, 15 ft, 54 ft and 60 ft from catch basin I. Last mis-joint occurred at about 4 ft from end of pipe; the pipe joint dislocated about 3 inches. Due to numbers of mis-joints, pipe can't be completely clean; pressure jet tends to bring more soil into the pipe.

Pipe 2: This pipe is connected to the interior building roof leader and discharge into the wetland buffer area. This pipe is jet clean, video and dye tests were performed from the roof to confirm the roof drain connection. The I2 inches clay pipe was repair at one point, video show an approximately I0 LF of I0 inches green PVC sleeve located about 45 ft from the end of the pipe. The spot repair with the different pipe size and material was improper installed causing unstable pipe bedding and clogging of pipe.

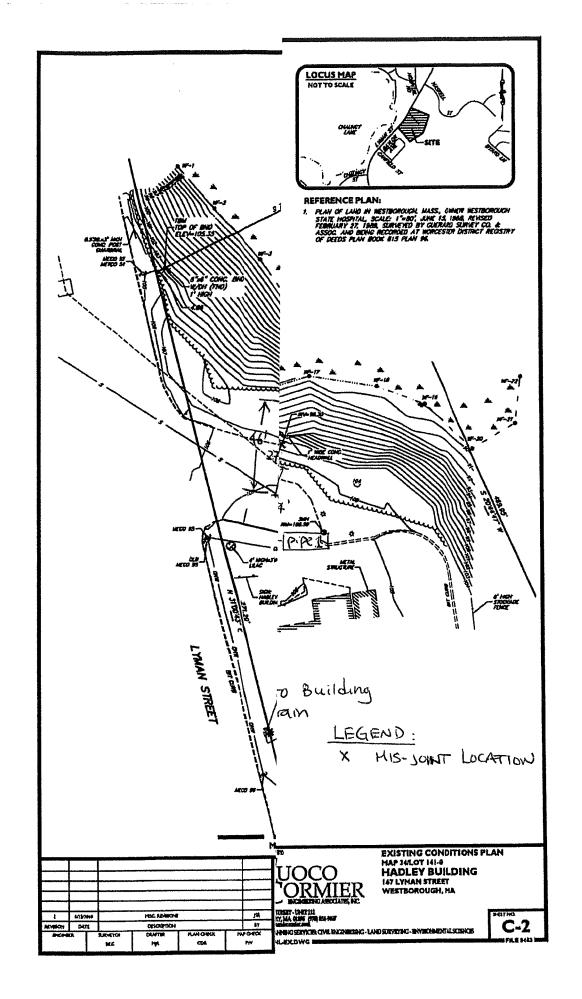
Pipe 3: (from CB 2 to headwall): This pipe collect stormwater runoff on the parking lot via catch basin and discharge into the wetland buffer. This 8" clay pipe is full of dirt and overgrown root into the pipe; pipe was clean with water jet. Video show pipe mis-joint at 38 ft and 40 ft from CB 2, and 4 ft from headwall.

Pipe 4: This pipe is buried with dirt to the top of headwall; we were unable to access the pipe. Based on the original Plot Plan, this pipe is connected to a series of the exterior drain of basement footing, intercepting ground water to building (see enclosed original plot plan).

Pipe 5: (from CB 3 to headwall): This pipe collect stormwater runoff on the parking lot via catch basin and discharge into the wetland buffer. Dirt was removed from the end of pipe with shovel, and then jet cleans the interior. Video show spot repair was done on the existing 8" clay pipe at approximately 19 ft from the catch basin with a green PVC pipe. In addition, pipe mis-joints occurred at 27 ft and 46 ft from the catch basin, the dislocation of the pipe is close to 3 inches.

There are series of areal drains located in the low point next to concrete steps at the side entrance of the building, based on the original plot plan; these areal drains are tied in with the exterior foundation drain pipe. AD I is clean with jet water and video, it end about 13 ft from the areal drain, and camera couldn't go further. AD 2 pipe is broken on the bottom, not clean was done due to consideration of bringing soil into the pipe.

Due to the conditions of the existing pipes, we recommend all pipes and AD 2 structure to be replaced.





#### Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands Program

## **Checklist for Stormwater Report**

#### A. Introduction

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the Massachusetts Stormwater Handbook. The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals. This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8<sup>2</sup>
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

<sup>&</sup>lt;sup>1</sup> The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

<sup>&</sup>lt;sup>2</sup> For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.



#### **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands Program

### **Checklist for Stormwater Report**

#### **B. Stormwater Checklist and Certification**

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

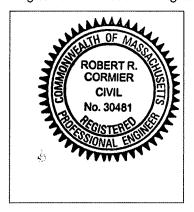
*Note:* Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

#### Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature



Signature and Date

#### Checklist

	<b>Dject Type:</b> Is the application for new development, redevelopment, or a mix of new and levelopment?
	New development
$\boxtimes$	Redevelopment
П	Mix of New Development and Redevelopment



# **Massachusetts Department of Environmental Protection**Bureau of Resource Protection - Wetlands Program

# **Checklist for Stormwater Report**

Checklist (continued)
<b>LID Measures:</b> Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design the project:
☐ No disturbance to any Wetland Resource Areas
☐ Site Design Practices (e.g. clustered development, reduced frontage setbacks)
Reduced Impervious Area (Redevelopment Only)
☐ Minimizing disturbance to existing trees and shrubs
☐ LID Site Design Credit Requested:
☐ Credit 1
☐ Credit 2
☐ Credit 3
☐ Use of "country drainage" versus curb and gutter conveyance and pipe
☐ Bioretention Cells (includes Rain Gardens)
☐ Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
☐ Treebox Filter
☐ Water Quality Swale
☐ Grass Channel
☐ Green Roof
Other (describe):
Standard 1: No New Untreated Discharges
No new untreated discharges     ■
Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook include



# Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands Program

# **Checklist for Stormwater Report**

Checklist (continued)							
Standard 2: Peak Rate Attenuation							
<ul> <li>Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.</li> <li>Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.</li> </ul>							
□ Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.							
Standard 3: Recharge							
Soil Analysis provided.							
Required Recharge Volume calculation provided.							
Required Recharge volume reduced through use of the LID site Design Credits.							
☐ Sizing the infiltration, BMPs is based on the following method: Check the method used.							
☐ Static ☐ Simple Dynamic ☐ Dynamic Field <sup>1</sup>							
⊠ Runoff from all impervious areas at the site discharging to the infiltration BMP.							
Runoff from all impervious areas at the site is <i>not</i> discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.							
Recharge BMPs have been sized to infiltrate the Required Recharge Volume.							
Recharge BMPs have been sized to infiltrate the Required Recharge Volume <i>only</i> to the maximum extent practicable for the following reason:							
☐ Site is comprised solely of C and D soils and/or bedrock at the land surface							
M.G.L. c. 21E sites pursuant to 310 CMR 40.0000							
Solid Waste Landfill pursuant to 310 CMR 19.000							
Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.							
☐ Calculations showing that the infiltration BMPs will drain in 72 hours are provided.							
Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.							

<sup>&</sup>lt;sup>1</sup> 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.



#### Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands Program

### **Checklist for Stormwater Report**

#### Checklist (continued)

#### Standard 3: Recharge (continued)

- The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.
- Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

#### Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
- Provisions for storing materials and waste products inside or under cover;
- Vehicle washing controls;
- Requirements for routine inspections and maintenance of stormwater BMPs;
- Spill prevention and response plans;
- Provisions for maintenance of lawns, gardens, and other landscaped areas;
- Requirements for storage and use of fertilizers, herbicides, and pesticides;
- Pet waste management provisions;
- Provisions for operation and management of septic systems;
- Provisions for solid waste management;
- Snow disposal and plowing plans relative to Wetland Resource Areas;
- Winter Road Salt and/or Sand Use and Storage restrictions;
- Street sweeping schedules;
- Provisions for prevention of illicit discharges to the stormwater management system;
- Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
- Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
- List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.

applicable, the 44% TSS removal pretreatment requirement, are provided.

	A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.
	is within the Zone II or Interim Wellhead Protection Area
	is near or to other critical areas
	is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
	involves runoff from land uses with higher potential pollutant loads.
$\boxtimes$	The Required Water Quality Volume is reduced through use of the LID site Design Credits.
	Calculations documenting that the treatment train meets the 80% TSS removal requirement and if



# Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands Program

# **Checklist for Stormwater Report**

CI	necklist (continued)
Sta	andard 4: Water Quality (continued)
$\boxtimes$	The BMP is sized (and calculations provided) based on:
	☐ The ½" or 1" Water Quality Volume or
	The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.
	The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.
	A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.
Sta	ndard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)
	The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.  The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted <i>prior to</i> the discharge of stormwater to the post-construction stormwater BMPs.
	The NPDES Multi-Sector General Permit does <i>not</i> cover the land use.
	LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.
	All exposure has been eliminated.
	All exposure has <i>not</i> been eliminated and all BMPs selected are on MassDEP LUHPPL list.
	The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.
Sta	ndard 6: Critical Areas
	The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.
	Critical areas and BMPs are identified in the Stormwater Report.



#### **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands Program

## **Checklist for Stormwater Report**

Checklist (continued) Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a: ☐ Limited Project ☐ Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area. Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff ☐ Bike Path and/or Foot Path Redevelopment Project Redevelopment portion of mix of new and redevelopment. Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report. The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment

#### Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b)

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative:
- Construction Period Operation and Maintenance Plan;
- Names of Persons or Entity Responsible for Plan Compliance;
- Construction Period Pollution Prevention Measures;
- Erosion and Sedimentation Control Plan Drawings;
- Detail drawings and specifications for erosion control BMPs, including sizing calculations;
- Vegetation Planning;
- Site Development Plan;

improves existing conditions.

- Construction Sequencing Plan;
- Sequencing of Erosion and Sedimentation Controls;
- Operation and Maintenance of Erosion and Sedimentation Controls:
- Inspection Schedule;
- Maintenance Schedule;
- Inspection and Maintenance Log Form.

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing	าต
the information set forth above has been included in the Stormwater Report.	Ü



# Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands Program

# **Checklist for Stormwater Report**

C	hecklist (contin	ued)
St (cc	tandard 8: Constructiontinued)	tion Period Pollution Prevention and Erosion and Sedimentation Control
	it is not possible to Sedimentation Cor Erosion and Sedim	ly complex and information is included in the Stormwater Report that explains why submit the Construction Period Pollution Prevention and Erosion and Introl Plan with the application. A Construction Period Pollution Prevention and Interest has not been included in the Stormwater Report but will be and disturbance begins.
$\boxtimes$	The project is <b>not</b> of	covered by a NPDES Construction General Permit.
	Stormwater Report  The project is cove	red by a NPDES Construction General Permit but no SWPPP been submitted.
04		e submitted BEFORE land disturbance begins.
	_	n and Maintenance Plan
$\boxtimes$	The Post Construction includes the following	tion Operation and Maintenance Plan is included in the Stormwater Report and ng information:
	Name of the state     Name of the s	ormwater management system owners;
	☑ Party responsit	ole for operation and maintenance;
	Schedule for in	nplementation of routine and non-routine maintenance tasks;
		ne location of all stormwater BMPs maintenance access areas;
	□ Description and      □	d delineation of public safety features;
		ation and maintenance budget; and
	Operation and	Maintenance Log Form.
	The responsible pa Report includes the	rty is <b>not</b> the owner of the parcel where the BMP is located and the Stormwater following submissions:
	A copy of the le that establishes project site stor	egal instrument (deed, homeowner's association, utility trust or other legal entity) is the terms of and legal responsibility for the operation and maintenance of the trumwater BMPs;
	A plan and ease BMP functions.	ement deed that allows site access for the legal entity to operate and maintain
Sta	andard 10: Prohibiti	on of Illicit Discharges
	The Long-Term Pol	lution Prevention Plan includes measures to prevent illicit discharges;
$\boxtimes$	An Illicit Discharge	Compliance Statement is attached;
	NO Illicit Discharge	Compliance Statement is attached but will be submitted <i>prior to</i> the discharge of post-construction BMPs.

# **Drainage Calculations**

For Stormwater Management

Map 34/Lot 141-0

Site Plan
Hadley Building
167 Lyman Street
Westborough, MA

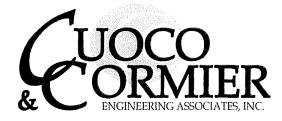
**PREPARED FOR:** 

Commonwealth of Massachusetts
Department of Mental Health
25 Staniford Street
Boston, MA 02114

PREPARED: December 17, 2010

Jeffrey S. Rider, P.E.

LAND PLANNING SERVICES: CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL SCIENCES



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#### **PROJECT NARRATIVE:**

The project site is located on 167 Lyman Street, previously Westborough Mental Hospital, currently use for office purpose only. The site is shown on the Westborough Assessor's Map 34 Lots 141-0. There are bordering vegetated wetlands on the northeast edge of the existing parking lot. The wetland was flagged and delineated by Northeast Consulting Forestry Services on May 5, 2010. No rare species wildlife habitat were identified on site per Natural Heritage & Endangered Species Program.

Site is occupied by office building and associated parking lot. The project is a re-development site. The proposal calls for reconstructing the front entrance and existing parking lot on the northeast side of the Hadley Building and associated drainage system.

Currently, stormwater runoff generated by the parking lot discharge into the existing wetland via catch basins or sheet flow without proper treatment. The new parking lot layout design reduce the amount of impervious area and remove all the existing catch basins, plugs the outlets at the headwall location and fills the pipes. Two Infiltration basins are proposed at the northeast edge of the parking lot to collect sheet flow from the parking lot. Stormwater runoff will be treated by the proposed infiltration basins prior to discharge into the existing wetland. In additional to the treatment, the infiltration basins also attenuated peak discharge runoff and provides groundwater recharge. There is no net increase in post development peak discharge due to reduce in impervious area and the proposed infiltration basins.

The proposal also calls for replacement of the existing foundation drain and roof drain pipe that discharges into the wetland. Both pipes will be replaced in place; the end of the pipe will be pull back from the existing wetland to minimize disturbance to the wetland resource area.

All proposed works will be completed within the 100 ft buffer zone, no work occurs in the wetland area. Prior to construction, sedimentation and erosion measure of silt fence with hay bales will be installed to minimize construction debris polluting downstream.

# Summary



LAND PLANNING SERVICES: CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL SCIENCES

#### **SUMMARY:**

# Pre- and Post-development Conditions Point Of Study Analysis:

#### Peak Discharge Summary:

Discharge Points	2-Year Event		10-Year Event		25-Year Event		100-Year Event	
	(3.1 in.)		(4.5 in.)		(5.3 in.)		(6.3 in.)	
	Pre-	Post-	Pre-	Post-	Pre-	Post-	Pre-	Post-
East to Wetland	1.91	0.00	3.36	0.42	4.21	1.37	5.37	2.81
(East)	cfs	cfs	cfs	cfs	cfs	cfs	cfs	cfs

From this comparison it can be seen that the post-development peak rate of runoff for all storm events has been reduced to below the pre-development conditions rate.

#### **Infiltration Calculations:**

#### Infiltration Required

Re-Development project with redused Impervious area. (-0.102 ac)

No infiltration volume required.

#### Total Volume Recharged in Infiltration Basins System

Infiltration basin East storage (recharge) volume = 0.077 af = 3354 cf. (see HydroCAD report, 2-year event).

Infiltration basin North storage (recharge) volume = 0.026 af = 1132 cf. (see HydroCAD report, 2-year event).

#### Total recharge volume= 4486 cf.

Minimum infiltration rate 8.27 inches per hour for sand (Hydrologic Soil Properties Classified by Soil Texture, Rawls, Brakensiek and Saxton, 1982).

#### Infiltration System Draw Down Check

Infiltration basin East: System depth (outlet invert 104.25 – basin bottom 103.0) =  $1.25' \times 12$  in /8.27 inches per hour exfiltration rate, **Draw down = 1.81 hours. < 72 hours OK** 

Infiltration basin North: System depth (outlet invert 105.75 – basin bottom 104.0) = 1.75' x 12 in /8.27 inches per hour exfiltration rate, **Draw down = 2.54 hours. < 72 hours OK** 

#### **Water Quality Volume Calculations**

**Re-Development project** with redused Impervious area. (-0.102 ac)

The proposed development has been designed as within rapid infiltration rate (greater than 2.4 inches per hour).

1.0 inches of runoff x total impervious area of post-development site for other resource areas – Within rapid infiltration rate area

Calculate the peak discharge rates and volumes of Stormwater for the existing and proposed development conditions on site using the SCS TR-55 method (or other accepted method):

Calculate Stormwater runoff volumes to be treated for water quality based on the following calculations:

 $WQV = (X" runoff) \times Total Impervious Developed Acres on Site (SF) \times (1/12) = (CF)$ 

Total Impervious Area 68128 SF. WQV required =  $(1") \times 0.63 \text{ AC} \times 43560 \times (1/12) = 2286 \text{ CF}$ 

WQV directed to infiltration basins

Infiltration basin East storage (recharge) volume = 0.077 af = 3354 cf. (see HydroCAD report, 2-year event).

Infiltration basin North storage (recharge) volume = 0.022 af = 958 cf. (see HydroCAD report, 2-year event).

Total volume collected within the basins= 4312 cf. > 2286 cf. OK

The two infiltration basins act as a pair of sedimentation forebays and infiltrate the entire two year storm event runoff.

#### **TSS** Removal Calculations:

# **Drainage Treatment Train**(infiltration basin without pre-treatment)

Α	В	С	D	E
ВМР	TSS Removal Rate	Starting TSS Load*	Amount Removed $(B \times C)$	Remaining Load (C-D)
Infiltration Basin	80%	1.00 *	0.80	20%
	Т	80%		

<sup>\*</sup>Equals Remaining load from previous BMP (E)

The proposed infiltration basins without pretreatment does not qualify the 80% TSS removal credit. However, this is a <u>re-development</u> project and the basins are sized to retain the entire two-year storm event, and provides improvement to the existing conditions.

#### **DEP Stormwater Management Standards**

The Proposed Site Plan is a **Redevelopment project** and has been designed to comply with the stormwater management standards to the maximum extent practicable as described in the Department of Environmental Protection's Stormwater Management Policy.

#### Standard #1: Untreated Stormwater

The project has been designed so that new stormwater conveyances do not discharge untreated stormwater to, or cause erosion to, wetlands or waters of the Commonwealth.

#### Standard #2: Post-Development Peak Discharge Rate

Post-development peak discharge rates for the development has been designed not to exceed predevelopment peak discharge rates.

#### Standard #3: Recharge to Groundwater

The annual groundwater recharge for the post-development site approximates annual recharge from existing site conditions. Two infiltration basin system has been designed in order to provide the necessary recharge. (Please refer to the "Infiltration Calculations" section of this report for the specific values and computations.)

#### Standard #4: 80% TSS Removal (Maximum Extent Practicable for Redevelopment Project)

The proposed stormwater management system does not qualify for the 80% removal of the post-development site's average annual load of Total Suspended Solids. The BMPs proposed are two Infiltration Basins without Sediment Forebay, the North basin is sizied to retain up to the hundred-year storm event, and the East basin retains the entire two-year storm event.

#### Standard #5: Lower Potential Pollutant Loads

The Project is considered a Low Pollutant Load uses. Proper BMPs have been designed to prevent the infiltration of untreated storm runoff.

# Standard #6: Protection of Critical Areas (Maximum Extent Practicable for Redevelopment Project)

This project is located within Zone II area. the proposed BMPs have been designed to the maximum extent practicable for redevelopment project per MDEP StormwManagement Standards recommendations for Stormwater Discharges within Zone II Areas.

#### **Standard #7: Redevelopment Projects**

The project is a "Redevelopment Project", the proposed impervious pavement area has been reduced by 0.102 acres. Two infiltration basins have been proposed to retain the two-year storm event ruoff. An Operation and Maintenance Plan is included in this report. Additional inspection and cleaning of the basins are specified to compensate the lack of pre-treatments.

#### **Standard #8: Erosion/Sedimentation Control**

Erosion and sediment controls are incorporated into the project design to prevent erosion, control sediment movement, and stabilize exposed soils.

#### Standard #9: Operation/Maintenance Plan

An Operation and Maintenance plan for both construction and post-development stormwater controls has been developed.

#### Standard #10: Illicit Discharge

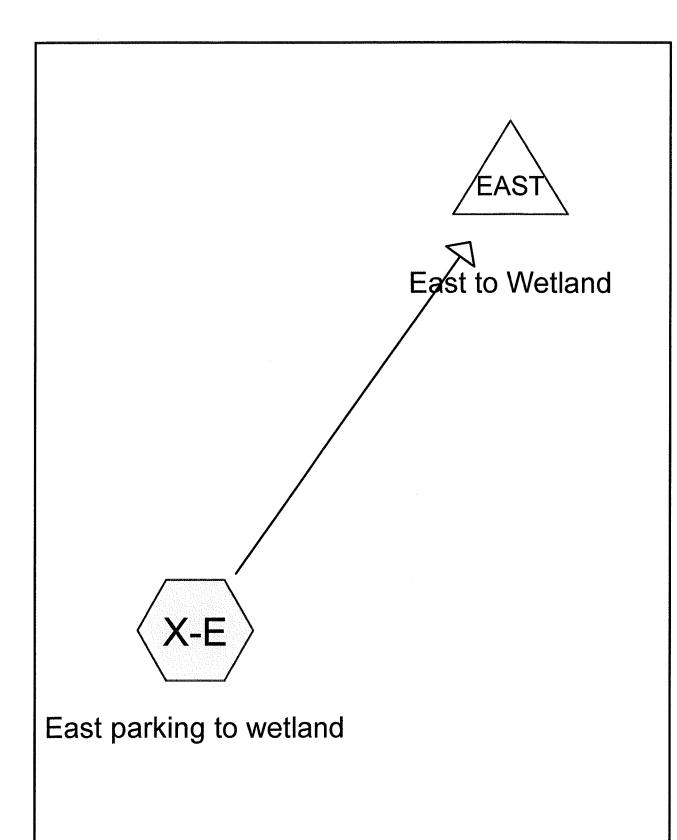
No illicit discharge to the stormwater management systems is allowed from the project site.

# Pre-Development Drainage Calculations

Design Storm Summary: 2, 10, 25 and 100 year events

HydroCAD 9.1 summary reports.













8463 Hadley Bldg. PHASE II Pre-development
Prepared by Cuoco & Cormier Engineering
HydroCAD® 9.10 s/n 04782 © 2009 HydroCAD Software Solutions LLC

Printed 12/17/2010 Page 2

#### Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.229	39	>75% Grass cover, Good, HSG A (X-E)
0.028	80	>75% Grass cover, Good, HSG D (X-E)
0.732	98	Paved parking, HSG A (X-E)
0.988		TOTAL AREA

Type III 24-hr 2-Year Rainfall=3.10"

Prepared by Cuoco & Cormier Engineering

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment X-E: East parking to

Runoff Area=43,055 sf 74.03% Impervious Runoff Depth>1.60" Tc=5.0 min CN=84 Runoff=1.91 cfs 0.132 af

Pond EAST: East to Wetland

Inflow=1.91 cfs 0.132 af Primary=1.91 cfs 0.132 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.132 af Average Runoff Depth = 1.60" 25.97% Pervious = 0.257 ac 74.03% Impervious = 0.732 ac

Type III 24-hr 2-Year Rainfall=3.10"

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#### Summary for Subcatchment X-E: East parking to wetland

Runoff

1.91 cfs @ 12.08 hrs, Volume=

0.132 af, Depth> 1.60"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 2-Year Rainfall=3.10"

Α	rea (sf)	CN I	Description								
	31,872	98	Paved park	aved parking, HSG A							
	9,960	39 :	>75% Gras	s cover, Go	ood, HSG A						
	1,223	80 :	>75% Gras	s cover, Go	ood, HSG D						
<u></u>	43,055	84	84 Weighted Average								
	11,183	25.97% Pervious Area									
	31,872	•	74.03% lmp	pervious Ar	ea						
Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description						
5.0					Direct Entry, Pavement Flow < 5 min.						

#### Summary for Pond EAST: East to Wetland

Inflow Area =

0.988 ac, 74.03% Impervious, Inflow Depth > 1.60" for 2-Year event

Inflow =

1.91 cfs @ 12.08 hrs, Volume=

0.132 af

Primary

1.91 cfs @ 12.08 hrs, Volume=

0.132 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Type III 24-hr 10-Year Rainfall=4.50" Printed 12/17/2010 C Page 5

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment X-E: East parking to

Runoff Area=43,055 sf 74.03% Impervious Runoff Depth>2.81" Tc=5.0 min CN=84 Runoff=3.36 cfs 0.232 af

Pond EAST: East to Wetland

Inflow=3.36 cfs 0.232 af Primary=3.36 cfs 0.232 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.232 af Average Runoff Depth = 2.81" 25.97% Pervious = 0.257 ac 74.03% Impervious = 0.732 ac

Type III 24-hr 10-Year Rainfall=4.50"

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#### Summary for Subcatchment X-E: East parking to wetland

Runoff

3.36 cfs @ 12.07 hrs, Volume=

0.232 af, Depth> 2.81"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 10-Year Rainfall=4.50"

	A	rea (sf)	CN Description									
		31,872	98	98 Paved parking, HSG A								
		9,960	39	•								
		1,223	, , , , , , , , , , , , , , , , , , ,									
-	43,055 84 Weighted Average											
	11,183 25.97% Pervious Area											
		31,872	•	74.03% Imp	pervious Ar	ea						
	Тс	Length	Slope	Velocity	Capacity	Description						
<u>(n</u>	nin)	(feet)	(ft/ft)	(ft/sec)	(cfs)	•						
	EΛ					Dissat Entre	Dayamant Flow < 5 min					

5.0

Direct Entry, Pavement Flow < 5 min.

#### Summary for Pond EAST: East to Wetland

Inflow Area =

0.988 ac, 74.03% Impervious, Inflow Depth > 2.81" for 10-Year event

Inflow

3.36 cfs @ 12.07 hrs, Volume=

0.232 af

Primary

3.36 cfs @ 12.07 hrs, Volume=

0.232 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Type III 24-hr 25-Year Rainfall=5.30" Printed 12/17/2010 C Page 7

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment X-E: East parking to

Runoff Area=43,055 sf 74.03% Impervious Runoff Depth>3.54" Tc=5.0 min CN=84 Runoff=4.21 cfs 0,292 af

Pond EAST: East to Wetland

Inflow=4.21 cfs 0.292 af Primary=4.21 cfs 0.292 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.292 af Average Runoff Depth = 3.54" 25.97% Pervious = 0.257 ac 74.03% Impervious = 0.732 ac

Type III 24-hr 25-Year Rainfall=5.30" Printed 12/17/2010

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#### Summary for Subcatchment X-E: East parking to wetland

Runoff =

4.21 cfs @ 12.07 hrs, Volume=

0.292 af, Depth> 3.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 25-Year Rainfall=5.30"

	A	rea (sf)	CN	Description						
-		31,872	98	Paved park	Paved parking, HSG A					
		9,960	39	>75% Gras	s cover, Go	ood, HSG A				
		1,223	80	>75% Gras	s cover, Go	ood, HSG D				
		43,055	84	Weighted A	verage					
		11,183 25.97% Pervious Area								
		31,872		74.03% lm	pervious Ar	ea				
(n	Tc nin)	Length (feet)	Slope (ft/ft	,	Capacity (cfs)	Description				
	5.0	(1881)	71016	, (10000)	(0,0)	Direct Entry, Pavement Flow < 5 min.				

#### **Summary for Pond EAST: East to Wetland**

Inflow Area =

0.988 ac, 74.03% Impervious, Inflow Depth > 3.54" for 25-Year event

Inflow =

4.21 cfs @ 12.07 hrs, Volume=

0.292 af

Primary =

4.21 cfs @ 12.07 hrs, Volume=

0.292 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Type III 24-hr 100-Year Rainfall=6.40" Printed 12/17/2010

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment X-E: East parking to

Runoff Area=43,055 sf 74.03% Impervious Runoff Depth>4.57" Tc=5.0 min CN=84 Runoff=5.37 cfs 0.376 af

Pond EAST: East to Wetland

Inflow=5.37 cfs 0.376 af Primary=5.37 cfs 0.376 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.376 af Average Runoff Depth = 4.57" 25.97% Pervious = 0.257 ac 74.03% Impervious = 0.732 ac

Type III 24-hr 100-Year Rainfall=6.40"

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#### Summary for Subcatchment X-E: East parking to wetland

Runoff

5.37 cfs @ 12.07 hrs, Volume=

0.376 af, Depth> 4.57"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 100-Year Rainfall=6.40"

	Area (sf)	CN I	Description							
	31,872	98 1	Paved parking, HSG A							
	9,960	39	>75% Ġras	s cover, Go	od, HSG A					
	1,223	80 >	>75% Gras	s cover, Go	od, HSG D					
	43,055	84 \	Neighted A	verage						
	11,183	2	25.97% Pervious Area							
	31,872	7	74.03% lmp	pervious Ar						
To		Slope	•	Capacity	Description					
(min	) (feet)	(ft/ft)	(ft/sec)	(cfs)						
E (	1				Direct Entry	Davament Flow < 5 min				

5.0

Direct Entry, Pavement Flow < 5 min.

#### Summary for Pond EAST: East to Wetland

Inflow Area =

0.988 ac, 74.03% Impervious, Inflow Depth > 4.57" for 100-Year event

Inflow

5.37 cfs @ 12.07 hrs, Volume=

0.376 af

Primary

5.37 cfs @ 12.07 hrs, Volume=

0.376 af, Atten= 0%, Lag= 0.0 min

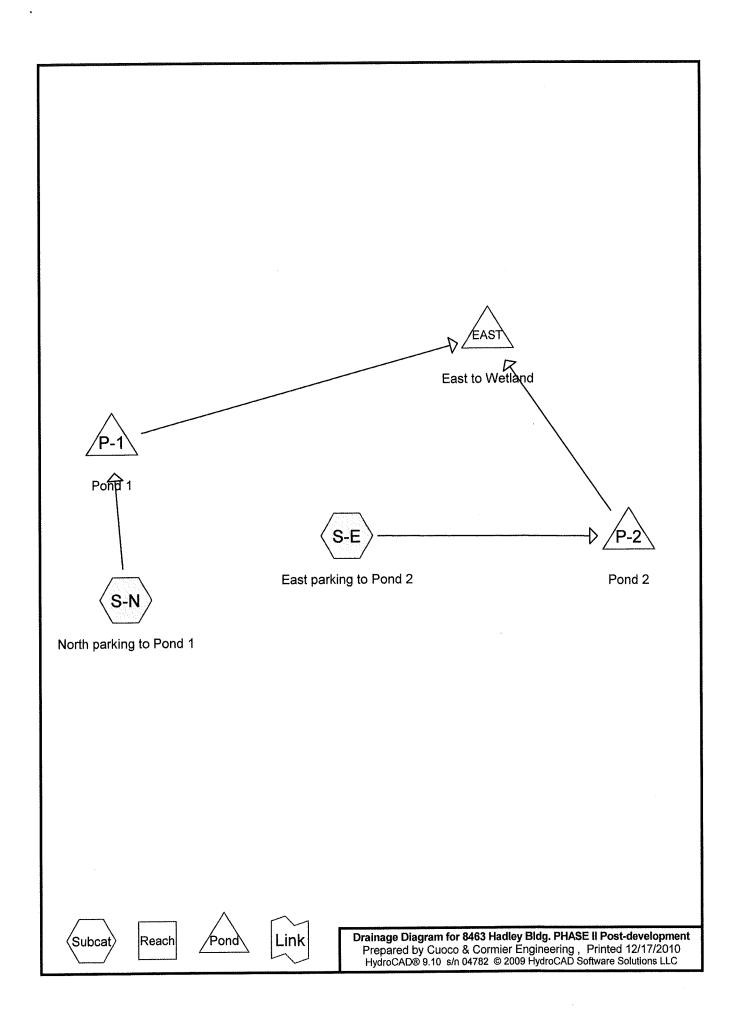
Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

# Post-Development Drainage Calculations

Design Storm Summary: 2, 10, 25 and 100 year events

HydroCAD 9.1 summary reports.





8463 Hadley Bldg. PHASE II Post-development
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#### Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.308	39	>75% Grass cover, Good, HSG A (S-E, S-N)
0.051	80	>75% Grass cover, Good, HSG D (S-E)
0.630	98	Paved parking, HSG A (S-E, S-N)
0.988		TOTAL AREA

Type III 24-hr 2-Year Rainfall=3.10"
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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment S-E: East parking to Pond 2 Runoff Area=28,815 sf 66.02% Impervious Runoff Depth>1.39"
Tc=5.0 min CN=81 Runoff=1.11 cfs 0.077 af

Subcatchment S-N: North parking to Pond Runoff Area=14,240 sf 58.99% Impervious Runoff Depth>0.97"

Tc=5.0 min CN=74 Runoff=0.36 cfs 0.026 af

Pond EAST: East to Wetland

Inflow=0.00 cfs 0.000 af Primary=0.00 cfs 0.000 af

Pond P-1: Pond 1

Peak Elev=104.56' Storage=227 cf Inflow=0.36 cfs 0.026 af

Discarded=0.13 cfs 0.026 af Primary=0.00 cfs 0.000 af Outflow=0.13 cfs 0.026 af

Pond P-2: Pond 2

Peak Elev=103.80' Storage=841 cf Inflow=1.11 cfs 0.077 af

Discarded=0.28 cfs 0.077 af Primary=0.00 cfs 0.000 af Outflow=0.28 cfs 0.077 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.103 af Average Runoff Depth = 1.25" 36.30% Pervious = 0.359 ac 63.70% Impervious = 0.630 ac

Type III 24-hr 2-Year Rainfall=3.10"

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#### Summary for Subcatchment S-E: East parking to Pond 2

Runoff

1.11 cfs @ 12.08 hrs, Volume=

0.077 af, Depth> 1.39"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 2-Year Rainfall=3.10"

Α	rea (sf)	CN	Description				
	19,025	98	Paved parking, HSG A				
	7,590	39	>75% Ġras	s cover, Go	Good, HSG A		
	2,200	80	>75% Gras	s cover, Go	Good, HSG D		
	28,815 9,790 19,025		Weighted Average 33.98% Pervious Area 66.02% Impervious Area				
Tc (min)	Length (feet)	Slope (ft/ft)	•	Capacity (cfs)	•		
5.0					Direct Entry, Pavement Flow < 5 min.		

#### Summary for Subcatchment S-N: North parking to Pond 1

Runoff

0.36 cfs @ 12.08 hrs, Volume=

0.026 af, Depth> 0.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 2-Year Rainfall=3.10"

	Α	rea (sf)	CN	Description				
_		8,400	98	Paved park	ing, HSG A			
		5,840	39	>75% Ġras	s cover, Go	ood, HSG A		
-		14,240	74	Weighted A	verage			
		5,840		41.01% Pei	vious Area			
		8,400		58.99% Impervious Area				
	Тс	Length	Slope	e Velocity	Capacity	Description		
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)			
-	5.0					Direct Entry	Pavement Flow < 5 min	

5.0

Direct Entry, Pavement Flow < 5 min.

#### **Summary for Pond EAST: East to Wetland**

Inflow Area =

0.988 ac, 63.70% Impervious, Inflow Depth = 0.00" for 2-Year event

Inflow

0.00 cfs @

0.00 hrs, Volume=

0.000 af

Primary

0.00 cfs @

0.00 hrs, Volume=

0.000 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Type III 24-hr 2-Year Rainfall=3.10"

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#### **Summary for Pond P-1: Pond 1**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

Inflow Area = 0.327 ac, 58.99% Impervious, Inflow Depth > 0.97" for 2-Year event Inflow 0.36 cfs @ 12.08 hrs. Volume= 0.026 af 0.13 cfs @ 12.42 hrs, Volume= Outflow 0.026 af, Atten= 65%, Lag= 20.4 min Discarded = 0.13 cfs @ 12.42 hrs, Volume= 0.026 af Primary 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 104.56' @ 12.42 hrs Surf.Area= 657 sf Storage= 227 cf

Flood Elev= 106.00' Surf.Area= 2,229 sf Storage= 2,246 cf

Plug-Flow detention time= 13.2 min calculated for 0.026 af (100% of inflow)

Center-of-Mass det. time= 12.9 min (875.4 - 862.5)

Volume	Invert	Avail.Sto	rage Storage	Description	
#1	104.00'	2,24	46 cf Custom	Stage Data (Prisma	atic) Listed below (Recalc)
Elevatio		ırf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	
104.0	00	155	0	0	
105.0	00	1,054	605	605	
106.0	00	2,229	1,642	2,246	
Device	Routing	Invert	Outlet Device	S	
#1	Discarded	104.00'		<b>diltration over Surfa</b> o Groundwater Eleva	
#2	Primary	105.75'	30.0' long x 3 Head (feet) 0 2.50 3.00 3.5 Coef. (English	3.0' breadth Broad-0 0.20 0.40 0.60 0.80 50 4.00 4.50	Crested Rectangular Weir 1.00 1.20 1.40 1.60 1.80 2.00 2.67 2.65 2.64 2.64 2.68 2.68

Discarded OutFlow Max=0.13 cfs @ 12.42 hrs HW=104.56' (Free Discharge) 1=Exfiltration (Controls 0.13 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=104.00' (Free Discharge) 2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

#### **Summary for Pond P-2: Pond 2**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

Inflow Area =	0.662 ac, 66.02% Impervious, Inflow Depth > 1.39"	for 2-Year event
inflow =	1.11 cfs @ 12.08 hrs, Volume= 0.077 af	
Outflow =	0.28 cfs @ 12.48 hrs, Volume= 0.077 af, Atte	n= 75%, Lag= 23.9 min
Discarded =	0.28 cfs @ 12.48 hrs, Volume= 0.077 af	, 3
Primary =	0.00 cfs @ 0.00 hrs, Volume= 0.000 af	

Type III 24-hr 2-Year Rainfall=3.10" Printed 12/17/2010

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Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 103.80' @ 12.48 hrs Surf.Area= 1,459 sf Storage= 841 cf Flood Elev= 104.55' Surf.Area= 2,256 sf Storage= 2,232 cf

Plug-Flow detention time= 21.9 min calculated for 0.077 af (100% of inflow) Center-of-Mass det. time= 21.7 min (861.3 - 839.6)

Volume	Invert	Avail.Sto	rage Storage	Description	
#1	103.00'	3,3	56 cf Custom	Stage Data (Prismatic) Listed below (Recalc)	
Elevation (fee		ırf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	
103.0		644	0	0	
104.0		1,664	1,154	1,154	
105.0	00	2,740	2,202	3,356	
Device	Routing	Invert	Outlet Device	s	
#1	Discarded	103.00'		xfiltration over Surface area	
				o Groundwater Elevation = 0.00'	
#2	Primary	104.25'		3.0' breadth Broad-Crested Rectangular Weir	
			Head (feet) 0	).20	.00
				50 4.00 4.50	
			Coef. (Englisl	n) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68	3
			2.72 2.81 2.	92 2.97 3.07 3.32	

**Discarded OutFlow** Max=0.28 cfs @ 12.48 hrs HW=103.80' (Free Discharge) 1=Exfiltration (Controls 0.28 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=103.00' (Free Discharge) 2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Type III 24-hr 10-Year Rainfall=4.50" Printed 12/17/2010

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment S-E: East parking to Pond 2 Runoff Area=28,815 sf 66.02% Impervious Runoff Depth>2.55"

Tc=5.0 min CN=81 Runoff=2.04 cfs 0.140 af

Subcatchment S-N: North parking to Pond Runoff Area=14,240 sf 58.99% Impervious Runoff Depth>1.97"

Tc=5.0 min CN=74 Runoff=0.77 cfs 0.054 af

Pond EAST: East to Wetland

Inflow=0.42 cfs 0.007 af Primary=0.42 cfs 0.007 af

Pond P-1: Pond 1

Peak Elev=105.01' Storage=619 cf Inflow=0.77 cfs 0.054 af

Discarded=0.21 cfs 0.054 af Primary=0.00 cfs 0.000 af Outflow=0.21 cfs 0.054 af

Pond P-2: Pond 2

Peak Elev=104.28' Storage=1,666 cf Inflow=2.04 cfs 0.140 af

Discarded=0.38 cfs 0.133 af Primary=0.42 cfs 0.007 af Outflow=0.80 cfs 0.140 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.194 af Average Runoff Depth = 2.36" 36.30% Pervious = 0.359 ac 63.70% Impervious = 0.630 ac

Type III 24-hr 10-Year Rainfall=4.50"

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#### Summary for Subcatchment S-E: East parking to Pond 2

Runoff

2.04 cfs @ 12.08 hrs, Volume=

0.140 af, Depth> 2.55"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 10-Year Rainfall=4.50"

Are	a (sf)	CN I	Description				
19	9,025	98	Paved parking, HSG A				
•	7,590	39	>75% Gras	s cover, Go	ood, HSG A		
	2,200	80 :	>75% Gras	s cover, Go	ood, HSG D		
	3,815		Weighted Average				
	9,790		33.98% Pervious Area				
19	9,025	(	66.02% Impervious Area				
Tc l (min)	ength	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description		
5.0	(100t)	(1010)	(10000)	(0.0)	Direct Entry, Pavement Flow < 5 min.		

#### Summary for Subcatchment S-N: North parking to Pond 1

Runoff

0.77 cfs @ 12.08 hrs, Volume=

0.054 af. Depth> 1.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 10-Year Rainfall=4.50"

Δ	rea (sf)	CN	Description			
	8,400	98	Paved park	ing, HSG A	•	
	5,840	39	>75% Gras	s cover, Go	ood, HSG A	
	14,240 5,840 8,400	74	Weighted Average 41.01% Pervious Area 58.99% Impervious Area			
Tc (min)	Length (feet)	Slope (ft/ft	•	Capacity (cfs)	Description	
 5.0					Direct Entry, Pavement Flow < 5 min.	

#### Direct Entry, Pavement Flow < 5 min.

#### Summary for Pond EAST: East to Wetland

Inflow Area =

0.988 ac. 63.70% Impervious, Inflow Depth = 0.08" for 10-Year event

Inflow

0.42 cfs @ 12.31 hrs, Volume=

0.007 af

Primary

0.42 cfs @ 12.31 hrs, Volume=

0.007 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Type III 24-hr 10-Year Rainfall=4.50"

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#### **Summary for Pond P-1: Pond 1**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

Inflow Area = 0.327 ac, 58.99% Impervious, Inflow Depth > 1.97" for 10-Year event

Inflow = 0.77 cfs @ 12.08 hrs, Volume= 0.054 af

Outflow = 0.21 cfs @ 12.47 hrs, Volume= 0.054 af, Atten= 73%, Lag= 23.3 min

Discarded = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 105.01' @ 12.47 hrs Surf.Area= 1,070 sf Storage= 619 cf Flood Elev= 106.00' Surf.Area= 2,229 sf Storage= 2,246 cf

Plug-Flow detention time= 25.3 min calculated for 0.054 af (100% of inflow)

Center-of-Mass det. time= 25.0 min ( 866.2 - 841.2 )

Volume	Invert	: Avail.Sto	rage Storage	Description
#1	104.00'	2,24	46 cf Custom	Stage Data (Prismatic) Listed below (Recalc)
Elevation		urf.Area	Inc.Store	Cum.Store
(fee	et)	(sq-ft)	(cubic-feet)	(cubic-feet)
104.0	00	155	0	0
105.0	00	1,054	605	605
106.0	00	2,229	1,642	2,246
Device	Routing	Invert	Outlet Device	S
#1	Discarded	104.00'	8.270 in/hr Ex	xfiltration over Surface area
			Conductivity to	o Groundwater Elevation = 0.00'
#2	Primary	105.75'	•	3.0' breadth Broad-Crested Rectangular Weir
	•		~	0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00
			, ,	50 4.00 4.50
			Coef. (English	1) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68
			, —	92 2.97 3.07 3.32

Discarded OutFlow Max=0.21 cfs @ 12.47 hrs HW=105.01' (Free Discharge) 1=Exfiltration (Controls 0.21 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=104.00' (Free Discharge) 2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

#### **Summary for Pond P-2: Pond 2**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

inflow Area =	0.662 ac, 66.02% Impervious, Inflow Depth > 2.55" for 10-Year event
Inflow =	2.04 cfs @ 12.08 hrs, Volume= 0.140 af
Outflow =	0.80 cfs @ 12.31 hrs, Volume= 0.140 af, Atten= 61%, Lag= 14.3 min
Discarded =	0.38 cfs @ 12.31 hrs, Volume= 0.133 af
Primary =	0.42 cfs @ 12.31 hrs, Volume= 0.007 af

Type III 24-hr 10-Year Rainfall=4.50"

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Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 104.28' @ 12.31 hrs Surf.Area= 1,967 sf Storage= 1,666 cf Flood Elev= 104.55' Surf.Area= 2,256 sf Storage= 2,232 cf

Plug-Flow detention time= 34.3 min calculated for 0.140 af (100% of inflow) Center-of-Mass det. time= 34.1 min ( 856.2 - 822.1 )

sted below (Recalc)
a
0.00'
d Rectangular Weir 1.20 1.40 1.60 1.80 2.00
.65 2.64 2.64 2.68 2.68
•

**Discarded OutFlow** Max=0.38 cfs @ 12.31 hrs HW=104.28' (Free Discharge) **1=Exfiltration** (Controls 0.38 cfs)

Primary OutFlow Max=0.42 cfs @ 12.31 hrs HW=104.28' (Free Discharge)

2=Broad-Crested Rectangular Weir (Weir Controls 0.42 cfs @ 0.44 fps)

Type III 24-hr 25-Year Rainfall=5.30" Printed 12/17/2010

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment S-E: East parking to Pond 2 Runoff Area=28,815 sf 66.02% Impervious Runoff Depth>3.25"

Tc=5.0 min CN=81 Runoff=2.60 cfs 0.179 af

Subcatchment S-N: North parking to Pond Runoff Area=14,240 sf 58.99% Impervious Runoff Depth>2.60"

Tc=5.0 min CN=74 Runoff=1.03 cfs 0.071 af

Pond EAST: East to Wetland

Inflow=1.37 cfs 0.025 af Primary=1.37 cfs 0.025 af

Timory not one of the

Pond P-1: Pond 1

Peak Elev=105.23' Storage=884 cf Inflow=1.03 cfs 0.071 af

Discarded=0.26 cfs 0.071 af Primary=0.00 cfs 0.000 af Outflow=0.26 cfs 0.071 af

Pond P-2: Pond 2

Peak Elev=104.32' Storage=1,743 cf Inflow=2.60 cfs 0.179 af

Discarded=0.39 cfs 0.154 af Primary=1.37 cfs 0.025 af Outflow=1.76 cfs 0.179 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.250 af 36.30% Pervious = 0.359 ac 63.70% Impervious = 0.630 ac

Type III 24-hr 25-Year Rainfall=5.30" Printed 12/17/2010

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### Summary for Subcatchment S-E: East parking to Pond 2

Runoff

2.60 cfs @ 12.07 hrs, Volume=

0.179 af, Depth> 3.25"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 25-Year Rainfall=5.30"

Area (sf)	CN	Description	
19,025	98	Paved parking, HSG A	
7,590	39	>75% Grass cover, Good, HSG A	
2,200	80	>75% Grass cover, Good, HSG D	
28,815 9,790 19,025	81	Weighted Average 33.98% Pervious Area 66.02% Impervious Area	
Tc Length (min) (feet)	Slo <sub>l</sub> (ft/	(ft) (ft/sec) (cfs)	
5.0		Direct Entry, Paven	nent Flow < 5 min.

## Summary for Subcatchment S-N: North parking to Pond 1

Runoff

1.03 cfs @ 12.08 hrs, Volume=

0.071 af, Depth> 2.60"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 25-Year Rainfall=5.30"

Area (sf)	CN	Description			
8,400	98	Paved parking, HSG A			
5,840	39	>75% Grass	s cover, Go	ood, HSG A	
14,240	74	Weighted A			
5,840	1	41.01% Per			
8,400	)	58.99% Impervious Area			
Tc Lengt (min) (fee			Capacity (cfs)	Description	
5.0	-/			Direct Entry, Pavement Flow < 5 min.	

### **Summary for Pond EAST: East to Wetland**

0.988 ac, 63.70% Impervious, Inflow Depth = 0.30" for 25-Year event Inflow Area =

1.37 cfs @ 12.16 hrs, Volume= 0.025 af Inflow

0.025 af, Atten= 0%, Lag= 0.0 min 1.37 cfs @ 12.16 hrs, Volume= Primary

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Type III 24-hr 25-Year Rainfall=5.30"

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#### **Summary for Pond P-1: Pond 1**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

Inflow Area =	0.327 ac, 58.99% Impervious, Inflow Depth > 2.60" for 25-Year event
Inflow =	1.03 cfs @ 12.08 hrs, Volume= 0.071 af
Outflow =	0.26 cfs @ 12.48 hrs, Volume= 0.071 af, Atten= 75%, Lag= 23.9 min
Discarded =	0.26 cfs @ 12.48 hrs, Volume= 0.071 af
Primary =	0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 105.23' @ 12.48 hrs Surf.Area= 1,329 sf Storage= 884 cf Flood Elev= 106.00' Surf.Area= 2,229 sf Storage= 2,246 cf

Plug-Flow detention time= 31.1 min calculated for 0.071 af (100% of inflow) Center-of-Mass det. time= 30.8 min ( 863.9 - 833.1 )

Volume	Invert Ava	il.Storage	Storage	e Description	
#1	104.00'	2,246 cf	Custom	m Stage Data (Prismatic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (sq-ft)		:.Store c-feet)	Cum.Store (cubic-feet)	
104.00 105.00 106.00	155 1,054 2,229		0 605 1,642	0 605 2,246	

Device	Routing	Invert	Outlet Devices
#1	Discarded	104.00'	8.270 in/hr Exfiltration over Surface area
			Conductivity to Groundwater Elevation = 0.00'
#2	Primary	105.75'	30.0' long x 3.0' breadth Broad-Crested Rectangular Weir
	•		Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00
			2.50 3.00 3.50 4.00 4.50
			Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68
			2.72 2.81 2.92 2.97 3.07 3.32

Discarded OutFlow Max=0.26 cfs @ 12.48 hrs HW=105.23' (Free Discharge) 1=Exfiltration (Controls 0.26 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=104.00' (Free Discharge)

2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

#### **Summary for Pond P-2: Pond 2**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

Inflow Area = Inflow = Outflow = Discarded = Primary =	0.662 ac, 66.02% Impervious, Inflow D 2.60 cfs @ 12.07 hrs, Volume= 1.76 cfs @ 12.16 hrs, Volume= 0.39 cfs @ 12.16 hrs, Volume= 1.37 cfs @ 12.16 hrs, Volume=	epth > 3.25" for 25-Year event 0.179 af 0.179 af, Atten= 32%, Lag= 5.1 min 0.154 af 0.025 af
--------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------

Type III 24-hr 25-Year Rainfall=5.30"

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Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 104.32' @ 12.16 hrs Surf.Area= 2,009 sf Storage= 1,743 cf Flood Elev= 104.55' Surf.Area= 2,256 sf Storage= 2,232 cf

Plug-Flow detention time= 31.9 min calculated for 0.179 af (100% of inflow) Center-of-Mass det. time= 31.7 min ( 846.8 - 815.2 )

Volume	Invert	Avail.Sto	rage Storage	Description	
#1	103.00'	3,3	56 cf Custom	Stage Data (Prismatic) Listed below (Recalc)	
Elevation (fee		rf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	
103.0	00	644	0	0	
104.0	00	1,664	1,154	1,154	
105.0	00	2,740	2,202	3,356	
Device	Routing	Invert	Outlet Devices	5	
#1	Discarded	103.00'	8.270 in/hr Ex	filtration over Surface area	
			Conductivity to	o Groundwater Elevation = 0.00'	
#2	Primary	104.25'	30.0' long x 3	3.0' breadth Broad-Crested Rectangular Weir	
	•			.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2	2.00
			2.50 3.00 3.5		
				) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.6	38
			, •	22 2.97 3.07 3.32	

Discarded OutFlow Max=0.39 cfs @ 12.16 hrs HW=104.32' (Free Discharge) 1=Exfiltration (Controls 0.39 cfs)

Primary OutFlow Max=1.37 cfs @ 12.16 hrs HW=104.32' (Free Discharge)

2=Broad-Crested Rectangular Weir (Weir Controls 1.37 cfs @ 0.65 fps)

Type III 24-hr 100-Year Rainfall=6.40"

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment S-E: East parking to Pond 2 Runoff Area=28,815 sf 66.02% Impervious Runoff Depth>4.25"

Tc=5.0 min CN=81 Runoff=3.38 cfs 0.234 af

Subcatchment S-N: North parking to Pond Runoff Area=14,240 sf 58.99% Impervious Runoff Depth>3.52"

Tc=5.0 min CN=74 Runoff=1.40 cfs 0.096 af

Pond EAST: East to Wetland

Inflow=2.81 cfs 0.052 af

Primary=2.81 cfs 0.052 af

Pond P-1: Pond 1

Peak Elev=105.50' Storage=1,286 cf Inflow=1.40 cfs 0.096 af

Discarded=0.32 cfs 0.096 af Primary=0.00 cfs 0.000 af Outflow=0.32 cfs 0.096 af

Pond P-2: Pond 2

Peak Elev=104.36' Storage=1,830 cf Inflow=3.38 cfs 0.234 af

Discarded=0.40 cfs 0.182 af Primary=2.81 cfs 0.052 af Outflow=3.21 cfs 0.234 af

Total Runoff Area = 0.988 ac Runoff Volume = 0.330 af Average Runoff Depth = 4.01" 36.30% Pervious = 0.359 ac 63.70% Impervious = 0.630 ac

Type III 24-hr 100-Year Rainfall=6.40"

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#### **Summary for Subcatchment S-E: East parking to Pond 2**

Runoff =

3.38 cfs @ 12.07 hrs, Volume=

0.234 af, Depth> 4.25"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 100-Year Rainfall=6.40"

A	rea (sf)	CN I	Description						
	19,025	98	Paved parking, HSG A						
	7,590	39	>75% Ġras	s cover, Go	ood, HSG A				
	2,200	80 :	>75% Grass cover, Good, HSG D						
	28,815	81 <sup>\</sup>	Weighted Average						
	9,790	;	33.98% Pervious Area						
	19,025	(	66.02% Impervious Area						
<b></b> .	1 41-	01	\	0	Danadatian				
Tc	Length	Slope	-	Capacity	Description				
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
E 0					Direct Entry	Davament Claur & F min			

5.0

Direct Entry, Pavement Flow < 5 min.

#### Summary for Subcatchment S-N: North parking to Pond 1

Runoff

1.40 cfs @ 12.08 hrs, Volume=

0.096 af, Depth> 3.52"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Type III 24-hr 100-Year Rainfall=6.40"

A	rea (sf)	CN	Description				
	8,400	98	Paved park	ing, HSG A	\		
	5,840	39	>75% Ġras	s cover, Go	ood, HSG A		
	14,240 5,840 8,400		Weighted A 41.01% Pei 58.99% Imp	rvious Area			
Tc (min)	Length (feet)	Slope (ft/ft)	•	Capacity (cfs)	Description		
5.0					Direct Entry	Payament Flow < 5 min	

5.0

Direct Entry, Pavement Flow < 5 min.

#### **Summary for Pond EAST: East to Wetland**

Inflow Area =

0.988 ac, 63.70% Impervious, Inflow Depth = 0.63" for 100-Year event

Inflow =

2.81 cfs @ 12.10 hrs, Volume=

0.052 af

Primary =

2.81 cfs @ 12.10 hrs, Volume=

0.052 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Type III 24-hr 100-Year Rainfall=6.40"

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#### **Summary for Pond P-1: Pond 1**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

Inflow Area = 0.327 ac, 58.99% Impervious, Inflow Depth > 3.52" for 100-Year event

Inflow = 1.40 cfs @ 12.08 hrs, Volume= 0.096 af

Outflow = 0.32 cfs @ 12.49 hrs, Volume= 0.096 af, Atten= 77%, Lag= 24.7 min

Discarded = 0.32 cfs @ 12.49 hrs, Volume= 0.096 af Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 105.50' @ 12.49 hrs Surf.Area= 1,647 sf Storage= 1,286 cf Flood Elev= 106.00' Surf.Area= 2,229 sf Storage= 2,246 cf

Plug-Flow detention time= 38.1 min calculated for 0.096 af (100% of inflow)

Center-of-Mass det. time= 37.8 min (862.2 - 824.4)

Volume Invert Avail.Storage Storage Description
#1 104.00' 2,246 cf Custom Stage Data (Prismatic) Listed below (Recalc)

E	Elevation	Surf.Area	Inc.Store	Cum.Store
_	(feet)	(sq-ft)	(cubic-feet)	(cubic-feet)
	104.00	155	0	0
	105.00	1,054	605	605
	106.00	2,229	1,642	2,246

Device	Routing	Invert	Outlet Devices			
#1	Discarded	104.00'	8.270 in/hr Exfiltration over Surface area			
			Conductivity to Groundwater Elevation = 0.00'			
#2	Primary	105.75'	30.0' long x 3.0' breadth Broad-Crested Rectangular Weir			
			Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00			
			2.50 3.00 3.50 4.00 4.50			
			Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68			
			2.72 2.81 2.92 2.97 3.07 3.32			

**Discarded OutFlow** Max=0.32 cfs @ 12.49 hrs HW=105.50' (Free Discharge) 1=Exfiltration (Controls 0.32 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=104.00' (Free Discharge)

2=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

#### **Summary for Pond P-2: Pond 2**

Sand soil Infiltration Rate 8.27 in/hr (Rawls 1982)

Inflow Area =	0.662 ac, 66.02% Impervious, Inflow Depth > 4.25" for 100-Year event
Inflow =	3.38 cfs @ 12.07 hrs, Volume= 0.234 af
Outflow =	3.21 cfs @ 12.10 hrs, Volume= 0.234 af, Atten= 5%, Lag= 1.8 min
Discarded =	0.40 cfs @ 12.10 hrs, Volume= 0.182 af
Primary =	2.81 cfs @ 12.10 hrs, Volume= 0.052 af

Type III 24-hr 100-Year Rainfall=6.40"

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Printed 12/17/2010

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Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs Peak Elev= 104.36' @ 12.10 hrs Surf.Area= 2,055 sf Storage= 1,830 cf Flood Elev= 104.55' Surf.Area= 2,256 sf Storage= 2,232 cf

Plug-Flow detention time= 29.9 min calculated for 0.234 af (100% of inflow) Center-of-Mass det. time= 29.6 min ( 837.2 - 807.6 )

Volume	Invert	Avail.Sto	rage Storage I	Description	
#1	103.00'	3,3	56 cf Custom	Stage Data (Prisi	matic) Listed below (Recalc)
Elevation (fee		ırf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	
103.0	00	644	0	0	
104.0		1,664	1,154	1,154	
105.0	00	2,740	2,202	3,356	
Device	Routing	Invert	Outlet Devices	<b>;</b>	
#1	Discarded	103.00'	8.270 in/hr Ex	filtration over Su	rface area
#2	Primary	104.25'	Conductivity to 30.0' long x 3 Head (feet) 0. 2.50 3.00 3.5 Coef. (English)	Groundwater Ele .0' breadth Broad 20 0.40 0.60 0.8 0 4.00 4.50	evation = 0.00' d-Crested Rectangular Weir 80 1.00 1.20 1.40 1.60 1.80 2.00 3 2.67 2.65 2.64 2.64 2.68 2.68

**Discarded OutFlow** Max=0.40 cfs @ 12.10 hrs HW=104.36' (Free Discharge) 1=Exfiltration (Controls 0.40 cfs)

Primary OutFlow Max=2.78 cfs @ 12.10 hrs HW=104.36' (Free Discharge) 2=Broad-Crested Rectangular Weir (Weir Controls 2.78 cfs @ 0.82 fps)

## Main # 508-616-2198

## Westborough State Hospital Campus Addresses

Manusano (1897/1977)	VERTILIE WE ALTERNATES	SANGER AND VES	
Greenhouse	2 Hospital Road	P.O. Box 288	DMH
Houghton House	3 Hospital Road	P.O. Box 288	DMH
Quonset Hut	4 Hospital Road	P.O. Box 288	DMH
Magic Circus	5 Hospital Road	P.O. Box 288	DMH
Doctor's Appts	6 Hospital Road	Not Occupied	DMH
Fire House	7 Hospital Road	Not Occupied	DMH
Pathways	8 Hospital Road	P.O. Box 288	DMH
Liberty House	9 Hospital Road	P.O. Box 288	DMH
Osgood	10 Hospital Road	P.O. Box 288	DMH
Renaissance House	11 Hospital Road	P.O. Box 288	DMH
Paine Hall	12 Hospital Road	TBD	DYS
Home 3	13 Hospital Road	P.O. Box 288	DMH
Administration Bldg.	14 Hospital Road	P.O. Box 288	DMH
Home 4	15 Hospital Road	P.O. Box 288	DMH
Store House	16 Hospital Road	P.O. Box 288	DMH
Childs	17 Hospital Road	Not Occupied	DMH
Kitchen	18 Hospital Road	P.O. Box 288	DMH
Talbot ,	19 Hospital Road	Not Occupied	DMH
Kennedy - Pelletick	20 Hospital Road	P.O. Box 522	DYS
Codman	21 Hospital Road	P.O. Box 288	DMH
Discovery	22 Hospital Road	TBD	DMH
Auditorium	23 Hospital Road	P.O. Box 288	DMH
Horizon House	24 Hospital Road	TBD	DMH
Laundry	25 Hospital Road	P.O. Box 288	DMH
Genesis House	26 Hospital Road	TBD	DMH
Engineers Home	28 Hospital Road	Not Occupied	DMH
Sharp Bldg.	100 Lyman Street	P.O. Box 288	DYS
Daniel Bldg.	102 Lyman Street	P.O. Box 288	DMH
Hennessey	104 Lyman Street	P.O. Box 288	DMH
Maintenance Shop	106 Lyman Street	P.O. Box 288	DMH
Hadley Building	167 Lyman Street	P.O. Box 288*	DMH, DYS and Others
Transportation Bldg.	179 Lyman Street	P.O. Box 288	DMH
Power Plant	181 Lyman Street	P.O. Box 288	DMH
Farm Complex	183 Lyman Street	Not Occupied	DMH
Chauncy	185 Lyman Street	P.O. Box 732	NFI

<sup>\*</sup> Address for DMH occupants.

5 miles and the second



## The Commonwealth of Massachusetts Department of Fire Services

Work Order # \$0.00

#### 527 CMR 4.00 Form 1

Application for Permit, Permit, and Certificate of Completion for the Installation or Alteration of Fuel Oil Burning Equipment and the Storage of Fuel Oil

	WESTBORD
*	(City or Town) (Date)
Permit #'s: FD <u>02-24</u> Elec	
Owner/Occupant Name: Comm. VF MASS. D	MR Tel.#: 508 870 0728
Installation Address: ZOO LYMAN ST.	Serviced Floor or Unit #:
Heating Unit Domestic Water Heater	
Burner: New Existing Location:	*
Trade Name: Míg:	
Type: FLAME RET/GUN Model # or Size:	Nozzle size:
•••	Waste Oil
Storage Tank: New Existing Location:	
Type: Capacity: <u>330</u>	gallons No. of Tanks:
Special requirements (or additional safety devices)	• • • • • • • • • • • • • • • • • • •
OSV valve Oil Line Protected Sheet Rock	Sprinkler AFUE:   yes no EF: yes no (furnace and bollers) (water heater)
Co. Name: ATLAS OIL *	Tel #(781) 320-3351
Address: 385 UNIVERSITY AVE City:	WESTWOOD Zip: 02090
Completion Date:	
Combustion Test: Gross Stack Temp.:	Net Stack Temp.:
CO <sup>a</sup> Test:	Breech Draft:
Smoke: Overfire Draft:	Efficiency Rating %:
I, the undersigned certify that the installation of fuel burning equipment has currently in effect. Furthermore, this installation has been tested in accorda complete instructions as to its use and maintenance have been furnished to	s been made in accordance with M.G.L. Chapter 148 and 527 CMR 4.00 ance with such requirements, is now in proper operating condition and to the person or whom the installation (or alteration) was made.
Installer: 5+ EPHEN W. TORKELSEN Print Name	Cot 75 YO Stark Avelete Signature (no Stamp)
Address: 385 UNIVERSITY AVE	City: WESTWOOD
Once signed by the five department, this is a PERMIT for the storage of fur Approved by:	el oil and use of the oil burning equipment.  Date: 3/13/02
Keep original as application. Issue duplic	/ / ate as permit. This form may be photocopied.
•	• • • • • • • • • • • • • • • • • • • •
Form 1 (revised 8/11/00) Head of Fire	Department



FACH TANK MIJST HAVE A RECEIPT OF DISPOSAL

## Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK



Form FP 291	STATE LINE SCRAP CO., INC. 136 BACON STREET
NAME AND ADDRESS OF APPROVED TANK YARD	SO. ATTLEBORO, MA 02703
	0 0 7 0 0 9
APPROVED TANK YARD NOTan	nk Yard Ledger 502 CMR 3.03 (4) Number: DOOO 13
I certify under penalty of law I have personally examined the u	nderground steel storage tank delivered to this "approved tank yard" by firm, corporation or
partnership // Delle (1277)	and accepted same in conformance with Massachusetts Fire Prevention Regulation 502
	ge Tank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department.
FDID# 7 7 2 b to transport this ta	ank to this yard.
Name and official title of approved tank yard owner or owners	authorized representative:
STORATORE	Mille 2/2402 DATE SIGNED
This signed receipt of disposal must be returned to the local l	head of the fire department FDID#

TANK DATA	TANK REMOVED FROM
Gallons 1000	(No. and Street)
Previous Contents #7 fcwl	
Diameter Length	(City or Town)
Date Received 21740 F	
Serial # (if available)	Fire Department Permit # 2002-4
Tank I.D. # (Form FP-290)	
Owner/Operator to mail revised copy of Notification Office of the State Fire Marshal, P.O. Box 1025 State	

\* and 380 gal. Ast in it's place 75ft under ground line only



JANE SWIFT Governor

# COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Regional Office, 627 Main Street, Worcester, MA 01608

BOB DURAND Secretary

LAUREN A. LISS Commissioner

JUL 10 2001

URGENT LEGAL MATTER: PROMPT ACTION NECESSARY
CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Massachusetts Department of Mental Health 25 Staniford Street Boston, Massachusetts 02114

Attention: William M. Corliss

Director, Eng. & Facilities Maintenance

RE: CRWSC- Westborough
Westborough State Hospital
Power House

Lyman Street/Hospital Road

Release Tracking # 2-13846

NOTICE OF RESPONSIBILITY

120-DAY NOTIFICATION

M.G.L. C. 21E, 310 CMR 40.0000

Dear Mr. Corliss:

Thank you for submitting the Release Notification Form (RNF) to the Department of Environmental Protection, Bureau of Waste Site Cleanup (the Department) on June 8, 2001. Your submittal presents the Department with information that the property located at Lyman Street & Hospital Road in Westborough has been subject to a release that has resulted in the presence of oil in the soil at concentrations that exceed the applicable Reportable Concentrations (RCs). Based on this information, the Department has reason to believe that the property, or portions thereof, is a disposal site which requires a response action.

The cleanup of disposal sites is governed by the Massachusetts Oil and Hazardous Material Release Prevention and Response Act, M.G.L. c. 21E, which is implemented through regulations promulgated by the Department. These regulations are referred to as the Massachusetts Contingency Plan, (the MCP), 310 CMR 40.0000. The Department wishes to ensure that you are aware of your rights and responsibilities under M.G.L. c. 21E and the MCP.

Printed on Recycled Paper

In your submittal, you (as used in this notice, "you" refers to the Massachusetts Department of Public Health) identify yourself as a party with potential liability for response action costs and damages under M.G.L. c. 21E, §5. This liability is "strict," meaning it is not based on fault, but solely on your status as operator of the disposal site. This notice and the attached summary are intended to provide you with information about liability under Chapter 21E to assist you in deciding what actions to take in response to the conditions that are present at this disposal site.

You should be aware that you may have claims against third parties for damages, including claims for contribution or reimbursement for the costs of cleanup. Such claims do not exist indefinitely but are governed by laws that establish the time allowed for bringing litigation. The Department encourages you to take any action necessary to protect any such claims you may have against third parties.

#### **BACKGROUND**

On June 8, 2001, the Department received a Release Notification Form (RNF) from the Massachusetts Department of Public Health for a release of oil to the property located at Lyman Street & Hospital Road (adjacent to the Power House) in Westborough. The RNF reports the presence of oil as total petroleum hydrocarbons (TPH) in the soil at concentration levels up to 14,000 parts per million (ppm). The reported concentration exceeds the applicable RC (RCS-2) of 800 ppm for TPH.

The Department has assigned Release Tracking Number (RTN) 2-13846 to the disposal site. The Department has no information regarding further actions taken or proposed for this disposal site.

### NECESSARY RESPONSE ACTIONS AND APPLICABLE DEADLINES

Please be advised that June 8, 2001 is considered to be the date of release notification for RTN 2-13846. Unless otherwise stated, this date will be the baseline for calculating compliance of this disposal site with the deadlines contained in the MCP.

No disposal site will be deemed to have had all the necessary and required response actions taken for it unless and until all substantial hazards presented by the release and/or threat of release have been eliminated and a level of no significant risk exists or has been achieved in compliance with the MCP. The MCP requires persons undertaking response actions at a disposal site to submit to the Department a Response Action Outcome (RAO) Statement prepared by a Licensed Site Professional upon determining that a level of no significant risk exists or has been achieved at the disposal site. A fee of \$750.00 is assessed if an RAO is filed 120 days after release notification, but before Tier Classification. Therefore, if all remediation work has been completed, you are encouraged to have the RAO submitted promptly to avoid the fee.

Unless otherwise provided by the Department, responsible parties have one year from the initial date notice of a release or threat of release is provided to the Department pursuant to 310 CMR 40.0300 or from the date the Department issues a Notice of Responsibility, whichever occurs earlier, to file with the Department one of the following submittals: (1) a completed Tier Classification Submittal; or (2) a Response Action Outcome Statement. If required by the MCP, a completed Tier I Permit Application must also accompany a Tier Classification Submittal. Unless

otherwise specified by the Department, the deadline for these submittals for this disposal site is June 8, 2002.

The MCP requires responsible parties and any other person undertaking response actions to perform Immediate Response Actions in response to sudden releases, Imminent Hazards and Conditions of Substantial Release Migration. Such persons must continue to evaluate the need for Immediate Response Actions and notify the Department immediately if such a need exists.

### PROCEDURES TO FOLLOW TO UNDERTAKE RESPONSE ACTIONS

The Department encourages parties having liability under M.G.L. c. 21E to take prompt action in response to releases and threats of release of oil and hazardous materials. By taking prompt action, liable parties may significantly lower cleanup costs and avoid the imposition of, or reduce the amount of, certain permit and/or annual compliance assurance fees payable under 310 CMR 4.00.

You must continue to employ or engage a Licensed Site Professional to manage, supervise or perform all response actions that you intend to undertake at this disposal site. You may obtain a list of the names and addresses of Licensed Site Professionals by contacting the Board of Registration of Hazardous Waste Site Cleanup Professionals by telephone at (617) 556-1091 or in person or by mail at One Winter Street, 10th Floor, Boston, Massachusetts 02108.

If you have any questions, please contact the Central Regional Office at the letterhead address or at 508-792-7653. All future correspondence and communications regarding the disposal site should reference RTN 2-13846.

Sincerely,

JUL 10 2001

Edmond G. Benoit
Deputy Regional Director

Bureau of Waste Site Cleanup

EGB\FS\PAS\als
Enclosure
la

Westborough Chief Administrative Officer
 Westborough Board of Health
 Westborough Fire Department
 Michael L'Heureux, LSP, Tighe & Bond, 324 Grove Street, Worcester, MA 01605
 Robert Bostwick, DEP, BWSC, CERO

Database Entry, EO 350

## Tighe&Bond

Consulting Engineers Environmental Specialists

> Kenneth J. Gendron Hydrogeologist

110 West Boylston Street Worcester, MA 01606 Tel. 508-856-0999 Cell Ph.º 508-479-2924 Fax, 508-852-8741 email: KJGendron@TigheBond.com ication to local Fire Department. ginal application and issues duplicate as Permit.

wealth of Massachusetts

Services - Board of Fire Prevention

Nofee

## TION and PERMIT

Fee: 0/00

to approved tank disposal yard in accordance with the provisions MR 9.00, application is hereby made by:

MR 9.00, application is hereby made by:		
Tank Owner		
Tank Owner Name (please print) DER OF MENTAL	Heinelt X Signature (if apliving for permit)	
Address 25 Stanton ST B	OSTON WA. OZIIY State Zip	
Removal Contractor	Contamination Assessment	
Company Name GIECH ENVIRONMENTAL INC	Co. or Individual TIGHE & BOND	
Address 216 RICCLU: FI DE QUI DEY	Address 110 West Boy Iston St.	
Signature (if applying for permit)	Signature (if applying for permit)	
AM		
☐ IFCI Certified Other	☐ IFCI Certified  □ LSP # Other	
Tank Information		
Tank Location	Storage House	
Tank Capacity (gallons)	_Substance Last Stored	
Tank Dimensions (diameter x length) \( \frac{\frac{1}{\sigma} \sigma \frac{1}{\sigma} \sigma \frac{1}{\sigma} \)		
Remarks: Found when Removing an adjacent tank.		
J		
Disposal Information		
Disposal Information		
Firm transporting waste WESTERN OIC State Lic. # MASS		
Hazardous waste manifest# MA MI 28 302 E.P.A. # RT 50000 9/18		
Approved tank disposal yard Tymes Grant Tank yard # #008		
Type of inert gas Dry ICE Tank yard address 28 WAIL OFF ST READ wille MA		
Approvals		
City or Town WESTORO	_FDID#_ <u>27328</u> Permit#_ <u>2000-19</u>	
Date of issue $9/20/00$ Date of expiration $9/20/00$		
Dig safe approval number: 2000/10745 Dig Safe Toll Free Tel. Number - 800-322-4844		
Signature / Title of Officer granting permit of FireFig here.		

After removal(s) send Form FP-290R signed by Local Fire Dept. to UST Regulatory Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618.

9/20/00 FF Edmanion and myself FF Chris Knight Amiredon Scene at 1130 hrs. at the westborrough State Hospital Grounds ON Lyman st. Westborough. We were requested By Green Environmental co. to witness a Gasoline tank Removal. Upon arrival we were notified that a 2nd tank was found that they were Not aware of, This 2NO tank on the application reverseside Had a water Sand mixinside that bould as if it had run out of the tank and into the Ground. ? quantity There was also asmell of Gasoline Present. Tighted Bondconsulting Engineer Kenneth Gendron on site. I notified him that we would be calling DEP to make Notification of leakage on the tank. Notified Kevin Doust of DEP work. Hatthere isa Hossibility of contamination. There appeared to be above maybe a footh mark from the Backhoe and the North 5ide of the tank. This may have caused leakage. They Pumped Off 2 50 gallons. Additional holes worked in tank. The Sand Removed from inside the tank had a Strong odors of gasoline. Tanks removed from Hole. Cleaned Scene. Colon Firefighter.

## Location of tank &

1,000gal. tank 6asoline
? realkage.

Store House

TANK DATA	TANK REMOVED FROM
Gallons/000	LYMAN ST (STORAGE HOUSE)
Previous Contents GAS	1
Diameter 4 Length 12	(City or Town)
Date Received 9-20-00	Fire Department Permit # 2000 - 19
Serial # (if available) NA	
Tank I.D. # (Form FP-290) _ ∧   ↑	

Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to : UST Compliance, Office of the State Fire Marshal, P.O. Box 1025 State Road, Stow, MA 01775.



# Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK



TANK VADD	James G. Grant Co., Inc.	
NAME AND ADDRESS OF APPROVED TANK YARD	28 Wolcott St.	
	Readville, MA 02137	
APPROVED TANK YARD NO	_Tank Yard Ledger 502 CMR 3.03 (4) Number: 2006 3983 /	
CONTRACTOR OF THE CONTRACTOR O	the underground steel storage tank delivered to this "approved tank yard" by firm, corporation of the underground steel storage tank delivered to this "approved tank yard" by firm, corporation of the underground and accepted same in conformance with Massachusetts Fire Prevention Regulation 502 torage Tank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department.	
Name and official title of approved tank yard owner or ow	ners authorized representative:	
This signed receipt of disposal must be returned to the	ocal head of the fire department FDID#pursuant to 502 CIVIN 3.00	
EACH TANK MUST HAVE A RECEIPT OF DISPOSAL		



Room 1310 Boston MA 02108-1618.

Make application to local Fire Department. Fire Department retains original application and issues duplicate as Permit.

## Commonwealth of Massachusetts

Department of Fine Services - Board of Fine Prevention

Fee: #2

4,6

## **APPLICATION** and **PERMIT**

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions

f M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:	
Tank Owner Name (please print) Dept. of Mental Health.  Signature (if applying Street)  Address 25 Starifold Street Buston  Signature (if applying Street)	lgr permit) 1 OZII4 State Zip
Removal Contractor Contamination Assessment	
Company Name Green Environmental, Inc. Co. or Individual TIGHEE PEN  Address 216 Ricciuti Drive, Quina, Latoress 110 west Roy  Signature (if applying for permit)  Signature (if applying for permit)	1ston
Signature (if applying for permit)  **Signature (if applying for permit)  **Law Law Fatrick II / i/a n	
Tank Information  Tank Location	Jestbornah
Tank Dimensions (diameter x length) 5 x 1 4,	
Remarks:	
Disposal Information  Firm transporting waste Wastern Od State Lic. # Wastern State Lic. # DIF 5.0000	
E.P.A. # POLITICAL	21110
Approved tank disposal yard James (f. Grant Co. Tank yard # 008  Type of inert gas CM icl Tank yard address 28 Libbott Street, Prence	wille, Ma OZIE
Type of inert gas CVV ICL Tank yard address 200 Canada Communication of the communication of	
Approvals  City or Town U ESTBORO FDID# 27328 Permi	11# 00-07 Ammended to
Date of issue 3-17-60 Date of expiration 6-33-0	her - 800-322-4844
Dig safe approval number:	5 do 120/00 n
Signature / Title of Officer granting permit Capt Cal Strath gmmende the	A shauron Place.
After removal(s) send Form FP-290R signed by Local Fire Dept. to UST Regulatory Compliance Unit, One,	ighter.

ON 9/20/2000 - FFED Manion and myself, FF Chris Knight where requested by Green Environmental to witness a tank removal. We were met onsite by a representative from Green Environmental as well as MR. Kenneth Gendron From Tighe & Bond Cenvironmental Co). There did Not appear to be any Contamination from this tank, it appeared to be intact. About 150gal of gasoline had been piped off Prior to Ouramival. In addition they vented the tank and put coz in it. The tank was removed and trailered. There was a tank adjacent to this one & gasoline in it that may rave leaved out. DEP was notified on this date at 1200 hrs. of a Possible real in the 2nd tank-Refer to write up on tank Removal Permit# 2000-19. QQQ Firefighter.

Room 1310, Boston, MA 02108-1618.

Make application to local Fire Department.

Fire Department retains original application and issues duplicate as Permit.

Commonwealth of Massachusetts

Duplicate

Department of Fire Services - Board of Fire Prevention

## **APPLICATION** and **PERMIT**

Fee: \$20. ~

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Tark Owner	
Tank Owner  Tank Owner Name (please print)  Dept. of Monto  Address 35 Stanitory Street	1 Hon Hk
Tank Owner Name (please print) 12.07.07	Signature (if apilying for permit)  - Buston VA 02.114
Address A TOTAL Street	City State Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental Inc	Co. or Individual TIGHE & Bond Gendron
Address 216 Riccinti Drive, Quiria	LANGESS 110 West Boylston St
Signature (if applying for permit)	LAGGESS 110 West Boylston 5+  2/6 gnature (if applying for permit)
Kilinke Mun Patrick Sulliva	h
Signature (if applying to permit)  Character Fatrick Stilling.  IFCI Certified Other	☐ IFCI Certified ☐ LSP # Other
Tank Information	
Tank Location	(Storage House) Westborough
Tank Capacity (gallons)	Substance Last Stored
Tank Dimensions (diameter x length)	
Remarks:	
Disposal Information  Firm transporting waste Western Oil	State Lic. # M&52
Firm transporting waste (100) 1200	Essa BT 5 WM 9118
Hazardous waste manifest#	E,P,A.#/(L) (LLLL) /// (LLLL)
Approved tank disposal yard James G. Grant Co	Tank yard # $\frac{U0}{U0}$
Type of inert gas dry ice Tank yard address	8 Lebbott Street, Prendville, Ma 0213
Approvals	
City or Town UESTBURO	FDID# 27328 Permit# 00-0/ Ammented to
Date of issue 3-/7-60	
Dig safe approval number: 2000/10743	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit Capt. Ca	19With Ammended John
After removal(s) send Form FP-290B signed by Local Fire Dept. to	UST Regulatory Compliance Unit, One Ashburton Place, 9/20/00



EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

## Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK



rom Fr 291	James G. Grant Co., Inc.
NAME AND ADDRESS OF APPROVED TANK YARD	28 Wolcott St.
	Readville, MA 02137
APPROVED TANK YARD NO	_Tank Yard Ledger 502 CMR 3.03 (4) Number:
partnership Oreen Em.	he underground steel storage tank delivered to this "approved tank yard" by firm, corporation or and accepted same in conformance with Massachusetts Fire Prevention Regulation 502
FDID# 2 1 3 2 8 to transport the	torage Tank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department. nis tank to this yard.
Name and official title of approved tank yard owner or own	ners authorized representative:  13-11-00  DATE SIGNED
SIGNATURE  This signed receipt of disposal must be returned to the lo	Decal head of the fire department FDID# $\frac{3}{7}$ $\frac{13 \cdot 11 - 0 \cdot 0}{3}$ DATE SIGNED pursuant to 502 CMR 3.0
EACH TANK MUST HAVE A RECEIPT OF DISPOSAL	
Department of Fire RECEIPT OF DI	monwealth of Massachusetts  Services - Office of the State Fire Marshal  SPOSAL OF UNDERGROUND STEEL STORAGE TANK
Form FP 291	James G. Grant Co., Inc.
NAME AND ADDRESS OF APPROVED TANK YARD	28 Wolcott St.
사용하는 경험을 하는 것이 되는 것이 되는 것이 되는 것이 되었다. 경찰 및 경험을 받는 것이 되었다.	Readville, MA 02137
APPROVED TANK YARD NO	Tank Yard Ledger 502 CMR 3.03 (4) Number: 200 39 232
partnership GREEN ENVIRONMENTAL	ne underground steel storage tank delivered to this "approved tank yard" by firm, corporation or and accepted same in conformance with Massachusetts Fire Prevention Regulation 502
CMR 3.00 Provisions for Approving Underground Steel Sto FDID# 2 2 8 to transport the	orage Tank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department. is tank to this yard.
Name and official title of approved tank yard owner or own	ers authorized representative: S-20-00
SIGNATURE	TITLE DATE SIGNED
This signed receipt of disposal <u>must be returned</u> to the lo	cal head of the fire department FDID# 2 7 3 2 8 pursuant to 502 CMR 3.00



EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

## Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK



	James G. Grant Co., Inc.
NAME AND ADDRESS OF APPROVED TANK YARD	28 Wolcott St.
	Readville, MA 02137
APPROVED TANK YARD NOTank	x Yard Ledger 502 CMR 3.03 (4) Number: <u>2000 4025 0</u>
i certify under penalty of law I have personally examined the un partnership <u>Green Em</u>	derground steel storage tank delivered to this "approved tank yard" by firm, corporation or and accepted same in conformance with Massachusetts Fire Prevention Regulation 502
CMR 3.00 Provisions for Approxing Underground Steel Storage FDID#	e Tank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department. nk to this yard.
Name and official title of approved tank yard owner or owners a	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
SIGNATURE	FITLE DATE SIGNED  ead of the fire department FDID# $\frac{3}{2}$ $\frac{2}{8}$ pursuant to 502 CMR 3.00
This signed receipt of disposal must be returned to the local h	ead of the fire department FDID#pursuant to 502 CMR 3.00
EACH TANK MUST HAVE A RECEIPT OF DISPOSAL	
RECEIPT OF DISPOS	nwealth of Massachusetts  provices - Office of the State Fire Marshal  EAL OF UNDERGROUND STEEL STORAGE TANK
Form FP 291	James G. Grant Co., Inc.
NAME AND ADDRESS OF APPROVED TANK YARD	28 Wolcott St.
	Readville, MA 02137
APPROVED TANK YARD NO	Yard Ledger 502 CMR 3.03 (4) Number: 200 39 832
I certify under penalty of law I have personally examined the und partnership GREEN ENVIRONMENTAL	erground steel storage tank delivered to this "approved tank yard" by firm, corporation or and accepted same in conformance with Massachusetts Fire Prevention Regulation 502
CMR 3.00 Provisions for Approving Underground Steel Storage FDID# 2 2 8 to transport this tank	Tank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department. to this yard.
Name and official title of approved tank yard owner or owners au	thorized representative: S-20-00
SIGNATURE	TITLE DATE SIGNED
This signed receipt of disposal <u>must be returned</u> to the local hea	ad of the fire department FDID# $27333$ pursuant to 502 CMR 3.00.

Make application to local Fire Department.

Fire Department retains original application and issues duplicate as Permit.



## Commonwealth of Massachusetts Department of Five Services - Board of Five Prevention

## **APPLICATION** and **PERMIT**

Fee: \$20. °

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

of M.G.L. Chapter 140, Occilot 607, 627 Still 140,	
Tank Owner Name (please print) Dept. of Monta	1 Hoalth
AT STANK OWNER NAME (Please plint)	Signature (if applying for permit)
Tank Owner Name (please print) Lept. of Mintu Address 25 Staritory Street	City State Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental, Inc.	Co. or Individual
Address 216 Riccinfi Drive, Quincy	Address
Address 216 Riccinfi Drive, Quiricy, Signature (if applying for permit)  Charling Control  Other	Signature (if applying for permit)
☐ IFCI Certified Other	☐ IFCI Certified ☐ LSP #Other
Tank Information	10 and Ctation) 10 Jastham who
Tank Location	(MW) Say 42 0 1
Tank Capacity (gallons) 500	(Rump Station) Wastbernigh  Substance Last Stored #2 Oil
Tank Dimensions (diameter x length)	
Remarks:	
Disposal Information  Firm transporting waste WSTernOU	State Lic. # Md 52
Firm transporting waste	DT 500009118
Hazardous waste manifest#	_E.P.A. # _P(
Approved tank disposal yard James G. Grant Co	- Tank yard # <u>608</u>
Type of inert gas On iceTank yard address 28	Lebkott Street, Preadville, Ma 0213
Approvals	FDID# 27328 Permit# 00-09
City or Town WESTBORD	/ 2
Date of issue	Date of expiration
Dig safe approval number: 2000/10743	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit Cant. Carl	E Walfa

After removal(s) send Form FP-290R signed by Local Fire Dept. to UST Regulatory Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618.

Pakin actually w Marlboro Refered to MD for removal and
replacement. Restand 6/1/00replacement. Destro Aus not accurate for
site



#### Make application to local Fire Department. Fire Department retains original application and issues duplicate as Permit.

Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

## **APPLICATION** and **PERMIT**

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

of M.G.L. Chapter 140, decilon ook, 527 ethir eres) of	
Tank Owner Name (please print) Dept. of Monto	1 Hon Hk
Tank Owner Name (please print)	Signature (if apilying for permit)
Address 35 Taki TOSO STYLLT	Signature (if apilying for permit)  City  Signature (if apilying for permit)  State  Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental, Inc	1
Address 2110 Riccinsti Drive, Quina	AddressPrint
Signature (If applying for permit)  Signature (If applying for permit)  Address  Signature (If applying for permit)  Address  Signature (If applying for permit)	Signature (if applying for permit)
IFCI Certified Other	☐ IFCI Certified ☐ LSP # Other
Tank Information /	+ (Greenery) Westborning
Tank Location \( \text{Uman} \) \( \text{Siagl Adgress} \)	
Tank Capacity (gallons)	Substance Last Stored# & OU
Tank Dimensions (diameter x length)	
Remarks:	
Disposal Information Firm transporting waste LURStern OU	State Lig # Ma 52
Firm transporting waste LASIENTICZCA	BT50009118
Hazardous waste manifest#	E.P.A. # PT500009118
Approved tank disposal yard Tamas G. Grant Co	2. Tank yard # <u>@ 8</u>
Type of inert gas Cry ice Tank yard address 2	8 Lebkott Street, Preadville, Ma 0213
Approvals	0-11-
City or Town WESTBURO	FDID#Permit#
Date of issue	Date of expiration 6-30-00
Dig safe approval number: 2000 110743	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit	1 EWalker

3/21/00 - York located under bildg. Opening nade + tank
Cleaned. Tank to be filled afsluring w/other tank
on site. No signs of contamination found.

K. Gendion of Tighe + Boil on site to perform
Dampling. Cloane report to be sent to PS

Parkard

Make application to local Fire Department.

Fire Department retains original application and issues duplicate as Permit.



Commonwealth of Massachusetts

EXTERNAL SCURRY

Department of Fire Services - Board of Fire Prevention

## **APPLICATION** and **PERMIT**

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148. Section 38A. 527 CMR 9.00, application is hereby made by:

Tank Owner	(please print) Dept. of L	lanta 1 Haa	IH.		
Tank Owner Name	(please print) Left. of Street	eet Ba	Ston	if apilying for parmit)  11 02114	1
			ination Assessmen		
Removal Contra				_	
Company Name	sreen Environmental	Inc. Co. or Inc	dividual	Print	-
Address 216	Ricciuti Drive, Qu	LIVICE LANGESS		Print	-
Ci-Alua did annivi	1	OZ/Gidnature	e (if applying for permit)		
☐ IFCI Cei		III IFCI C	Certified ☐ LSP #	Other	-
Tank Information	Lyman St	inal 1	(Evannanu)	1 les Horma	h
Tank Location	Steet Address	VIII (	City	vis porong	′/
Tank Capacity (gal	lons) 2,500 / CO	Substan	ce Last Stored		•
Tank Dimensions (	diameter x length)				.
Remarks:			W. Harrison		-
					-
Disposal Inform	nation				
Disposal Inforn	vaste Western Oil	State Lic	c. # <u>HQ 52</u>		_
Firm transporting v	vaste MOTENATO	Otato Ex	BITTON	XX9118	
Hazardous waste	manifest# ·	E.P.A. #		(2)///0	-
Approved tank disp	posal yard James G. Grat	Tank ya	ird# <u>608</u>	2 / 1/4 / // /:	7/2
Type of inert gas (	Tank yard add	ress 28 LLOK	ott Street, K	eadville, MIL V	∠ <i>I</i> O
Approvals			カロタフターの	Dormitt 10 -04	
			27328 F		
	3-11-000	Date of	f expiration <u>6-39</u>		
Dig safe approval	number: <u>2000 1107</u> 43	<u> </u>		Number - 800-322-4844	
Signature / Title of	Officer granting permit	- Carl Was	llar		

3/21/00 - Tank Sociated under blig. End was a sered and cleared. Tank to be feeled w/sluny. No seigns of Contamination evident.

16. Cention of Tighe + Bond on serte to perform Damphy. Closure report to be sent to PD.

RevRand



Commonwealth of Massachusetts

Department of Five Services - Board of Five Prevention

## **APPLICATION** and **PERMIT**

Fee: \$20. <u>∞</u>

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

r M.G.L. Chapte	7 148, Section 36A, 327 Civit 6:33, 455 March 9:33
Tank Owner	(please print) Dept. of Montal Health.  Signature (if apillying for permit)  Olando Distriction  Olando Distriction
Tank Owner Name	(please print) Lept. of Miniat True III. Signature (if apilying for permit)
Address 33	Staritord Street Boston MA 02114 State Sta
Removal Cont	a to the Accessory
Company Name	Streen Environmental, Inc. Co. or Individual
Address 216	Riccinti Drive, Quiria, Matoress
Sign <del>at</del> ure (if appl	ring for permit)
12/ 1 Lun	Signature (if applying to permit)  Signature (if applying to permit)  Other
	ertified Other Other
Tank Informat	Cyman Street (Power Station) Westborough
Tank Location	Steet Address City # 1 ( )
Tank Capacity (ga	Allons) 35,000 Substance Last Stored #600
	(diameter y length)
Remarks:	Remotes 5/11/00
	10)88
Disposal Infor	waste Western Oil State Lic. # M&52
Firm transporting	waste Whiteham State Lic. #
Hazardous waste	manifest# E.P.A. #
Approved tank d	sposal yard James G. Grant Co. Tank yard # 08
1	dry ice Tank yard address 28 Lebbott Street, Preadville, Ma 0213
Approvals	
City or Town	WES-13020 FDID# 22328 Permit# 00-12
Date of issue	3-/2-00 Date of expiration 6-30-00
	I number: 2000 110743 Dig Safe Toll Free Tel. Number - 800-322-4844
Dig safe approva	
Signature / Title	of Officer granting permit Capt. Carl Elivalle

TANK DATA	TANK REMOVED FROM
Gallons 35,000	LYMAN ST POWER STATION
Previous Contents # 6 OIL  Diameter N A Length N A	(City or Town)
Date Received 5-12-00  Serial # (if available) $\square$	Fire Department Permit #
Tank I.D. # (Form FP-290)	cation Form (FP290, or FP290R) to : UST Compliance, 5 State Road, Stow, MA 01775.



## Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK



NAME AND ADDRESS OF APPROVED TANK YARD	JAMES G. GRANT CO., INC.  28 WOLCOTT STREET  READVILLE, MA 02137
	Yard Ledger 502 CMR 3.03 (4) Number: 20039/97
partnership GREEN ENVIRONMENTAL INC a	orground steel storage tank delivered to this "approved tank yard" by firm, corporation or and accepted same in conformance with Massachusetts Fire Prevention Regulation 502 ank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department. to this yard.
Name and official title of approved tank yard owner or owners aut	TITLE DATE SIGNED
This signed receipt of disposal <u>must be returned</u> to the local hea  EACH TANK MUST HAVE A RECEIPT OF DISPOSAL	d of the fire department FDID# pursuant to 502 GMR 3.00.

TAUK 1



## Commonwealth of Massachusetts Department of Fire Services - Board of Fire Prevention

### **APPLICATION and PERMIT**

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions

of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, ap	plication is hereby made by:
Tank Owner  Tank Owner Name (please print)  Address 35 Stanton Street	Signature (il apilying for permit)  Boston  City  State  Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental, Inc.  Address 2110 Riccinsti Drive, Quinter, Signature (if applying for permit)    Color   Continue   Color	Address
Tank Information  Tank Location	(Greenery) Westburongh  Substance Last Stored 201
Tank Dimensions (diameter x length)	
Remarks:	
Disposal Information  Firm transporting waste Western Oct	State Lic. #
Hazardous waste manifest# ·	E.P.A. # RI500009118
Approved tank disposal yard James G. Grant Co	Tank yard #
Type of inert gas CVU ICL Tank yard address Z	Lebkott Street, Preadville, Ma 02137
Approvals  City or Town WESTBORD	FDID# <u>27328</u> Permit# <u>00-03</u>
Date of issue 3-M-00	Date of expiration6-30-00
Dig safe approval number: 2000/10743  Signature / Title of Officer granting permit Capt Carl	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit	

3/21/00 - Tank removed from ground along with associated piping - No signs of contamination.

Tank solid
Kerneth bundion of Tighe + Bond on stiff site

to perform sampling on DMH's behalf 
RioRand

Add: - Closure report to be sent to P (peak)

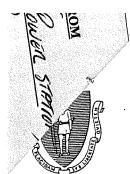
TANK DATA	TAIN REMOVED FROM
Gallons <u>ASOO</u> Previous Contents <u>#2</u> 01/	Lyman ST. (Greenery) (No. and Street)
Previous Contents	
Diameter Length	(City or Town)
Date Received 3-21-2000	001 001
and the first teacher of the control	Fire Department Permit # 00 - 04
Serial # (if available)	
Tank I.D. # (Form FP-290)	
Owner/Operator to mail revised copy of Notificati Office of the State Fire Marshal, P.O. Box 1025 St	ion Form (FP290, or FP290R) to : UST Compliance tate Road, Stow, MA 01775.



# Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK JAMES G. FRANT COLUNC



roini Fi 221		28 WOLGOTT	
NAME AND ADDRESS OF APPROV	ED TANK YARD	READVILLE, à	
TANK VARD NO	#008Tank Yard Ledger 502 Cl	MR 3.03 (4) Number: 2000	38944
I certify under penalty of law I have per partnership STATE AND COMP 3 00 Provisions for Approving United States	rsonally examined the underground steel store  and accepted same aderground Steel Storage Tank dismantling ye	age tank delivered to this "approved tar	nk yard" by firm, corporation or Fire Prevention Regulation 502 CAL Head of Fire Department.
EDID# -/ / .5 < 0	to transport this tank to this yard.  k yard owner or owners authorized representation.	ative:	21-2000
SIGNATURE  This signed receipt of disposal must be EACH TANK MUST HAVE A RECEIF	TITLE  oe returned to the local head of the fire deparent  of OF DISPOSAL	tment FDID# 2 7 3 2	DATE SIGNED pursuant to 502 CMR 3.00.



Commonwealth of Massachusetts

Department of Five Services - Board of Five Prevention

## **APPLICATION** and **PERMIT**

Fee: \$20.00

DA

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application	Horrison, and the second secon
Tank Owner  Tank Owner Name (please print)  Dept. of Montal to the Address 25 Stanishord Street City	y State Zip
Removal Contractor Cor	Mamination Assessment
Company Name Green Environmental, Inc. Co  Address 216 Ricciuti Drive, Quiria, Mad  Signature (if applying for permit)  Signature (if applying for permit)  Other	Print  Inature (if applying for permit)  IFCI Certified   LSP # Other
Tank Information  Tank Location	Power Station) Westborough  ubstance Last Stored # (0 Oil
Tank Dimensions (diameter x length)  Remarks:	100 S/11/00
Disposal Information  Firm transporting waste	E.P.A. # _//
Approved tank disposal yard Tamks G. Grant Co.  Type of inert gas Chick Tank yard address 28	Tank yard # <u>608</u> Lebbott Street, Preadville, MQ 0213
City or Town	FDID# 27328 Permit# 00 -/0
Date of issue	_Date of expiration
Dig safe approval number: 2000 110743	
Signature / Title of Officer granting permit	CT Regulatory Compliance Unit, One Ashburton Place,

TANK DATA	TANK REMOVED FROM
Gallons 35,000	Lyman ST (Power STATION)
Previous Contents #6 O1C	WESTBOROUGH (City or Town)
Diameter <u>시(み</u> Length <u> </u>	(City or Town)
Date Received 5-12-00	Fire Department Permit #
Serial # (if available) N	
Tank I.D. # (Form FP-290)	TROOP) A. HOT Campliones
Owner/Operator to mail revised copy of Notification For Office of the State Fire Marshal, P.O. Box 1025 State Ros	m (FP290, or FP290K) to: US1 Comphance, ad, Stow, MA 01775.



# Commonwealth of Massachusetts Department of Fire Services - Office of the State Fire Marshal RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK



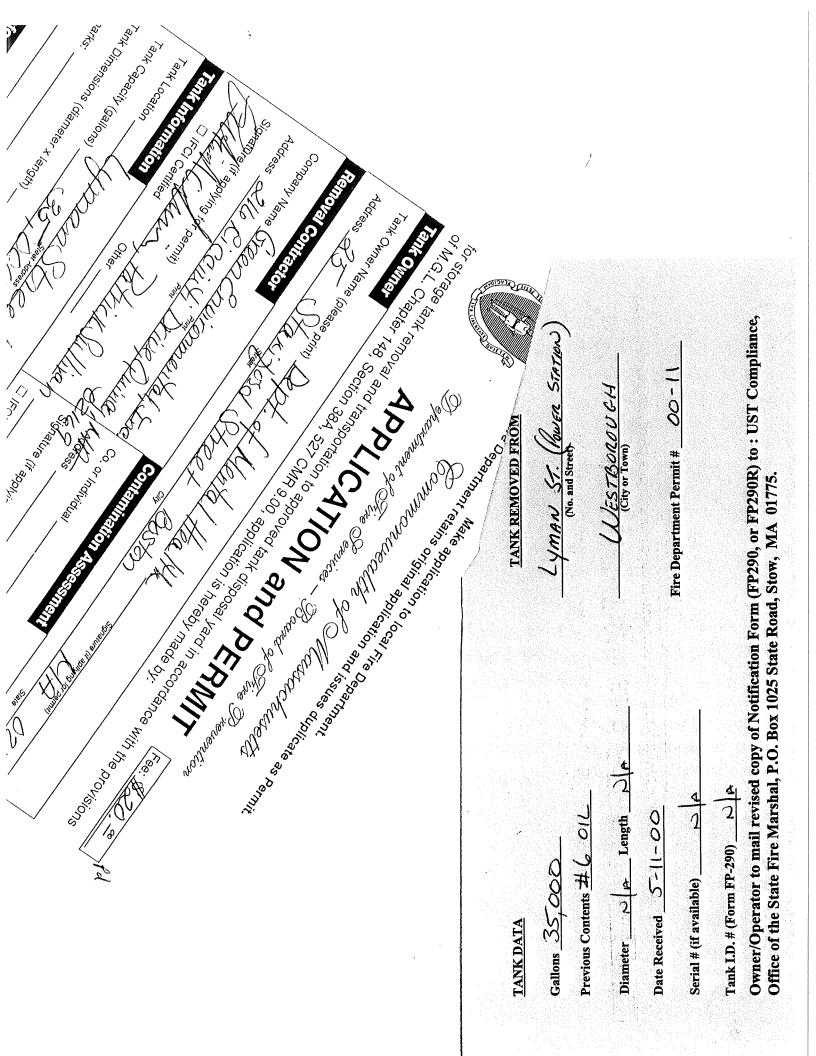
THE STATE OF THE S	RECEIPT OF DIGI	1416
Form FP 291		JAMES G. GRANT CO., INC
NAME AND ADDRESS OF APPR	OVED TANK YARD	28 WOLCOTT STREET
		READVILLE, MA 02137
	#008Ta	ank Yard Ledger 502 CMR 3.03 (4) Number:
APPROVED TANK YARD NO	#\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Illik Talu Leugel 502 Olim ( 5150 ( ) .
I certify under penalty of law I have	personally examined the	underground steel storage tank delivered to this "approved tank yard" by firm, corporation or NC and accepted same in conformance with Massachusetts Fire Prevention Regulation 502
partnership GIZEEIO LINE	11 Low Lond Store	age Tank dismantling yards. A valid permit was issued by LOCAL Head of Fire Department.
CMR 3.00 Provisions for Approving	to transport this	tank to this vard.
FDID#	O transport uns	a sutherized representative:
Name and official title of approved	tank yard owner or owner	Dar 12
( last: etc	TO	DATE SIGNED
SIGNATURE		TITLE 2 2 3 2 8 pursuant to 502 CMR 3.00.
This signed receipt of disposal mus	st be returned to the loca	al head of the fire department FDID#
EACH TANK MUST HAVE A REC	EIPT OF DISPOSAL	

Make application to local Fire Department. Department retains original application and issues duplicate as Permit. Commonwealth of Massachusetts Department of Fire Services - Board of Fire Prevention

**APPLICATION** and **PERMIT** 

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

I W.G.L. Onaplet 140, Occilon Con, 327 Cimit 6.00, ap	
Tank Owner  Tank Owner Name (please print)  Dept. of Monto	1 Hoalth
Tank Owner Name (please print)	Signature (if apllying for permit)
Address 25 Staritord Street	City State Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental, Inc.	Co. or Individual
Address 216 Riccinti Drive, Quina,	Address
Signature (it analying the parmit)	Gidnature (if applying for permit)
Signature (if applying to permit)   Fatrick Stilling     IFCI Certified Other	∩ Other
Tank Information  Tank Location	(Fower Station) Westbrough Substance Last Stored #60il
Tank Dimensions (diameter x length)	
Remarks:	Jemoved 5/11/00
	/ /DOT
Disposal Information Firm transporting waste Western OU	State Lic. #
Hazardous waste manifest#	E.P.A. # PT50009118
Approved tank disposal yard James G. Grant Co	Tank ward # 108
Approved tank disposal yard (2007) 400 . O farer Co	3 1) 1 1/ O/ / Dank 1/1 1/0 1712
Type of inert gas CN icl Tank yard address 28	Lebbott Street, Preadville, Ma 0213
Approvals	2222- 200-11
City or Town WESTBURO	FDID#
Date of issue	Date of expiration6-30-00
Dig safe approval number: 2000 110743	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit	186201h





Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

### **APPLICATION** and **PERMIT**

Fee: \$20. \infty

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

of M.G.L. Chapter 148, Section 36A, 327 OM (3.00, 4)	
Tank Owner Name (please print) Dept. of Monto	al Hoalth
Tank Owner Name (piease print)	Signature (if apilying for permit)
Address 35 STOCKI TOLD STYLLT	Signature (if apilying for permit)  City  Signature (if apilying for permit)  State  Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental, Inc	
Address 216 Ricgin Drive, Quina	Address
Signature (if applying for permit)  Signature (if applying for permit)  Signature (if applying for permit)	Signature (if applying for permit)
☐ IFCI Certified Other	☐ IFCI Certified ☐ LSP # Other
Tank Information  Tank Location  Tank Capacity (gallons)  Tank Capacity (gallons)	(Old Grage) Westbornigh  Substance Last Stored #201
Tank Dimensions (diameter x length)	i
Remarks:	
Disposal Information  Firm transporting waste Wistern Old	State Lic. #
Hazardous waste manifest#	E.P.A. # PT50009118
Approved tank disposal yard James G. Grant Co	0Tank yard # <u>608</u>
Type of inert gas dy iceTank yard address 2	8 Lebbott Street, Preadville, LIQ 0213
Approvals	FDID# <u>27328</u> Permit# <u>60-08</u>
City or Town WESTBORD	•
Date of issue	Date of expiration 6-30-00
Dig safe approval number: 2000 110743	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit Cafet Ca	12 Walky

Gallons 2000 Previous Contents #201  Diameter Length  Date Received	THE PARTY OF A STATE A	TANK REMOVED FROM
Previous Contents #201/  Diameter Length  Date Received 3-21-2000  Serial # (if available)  Fire Department Permit #	TANK DATA	(cld Course)
Previous Contents #201/  Diameter Length  Date Received 3-21-2000  Serial # (if available)  Fire Department Permit #	Gallons 2000	(No. and Street)
Date Received 3-21-2000  Serial # (if available)  Fire Department Permit #	Previous Contents #201/	( a throwash
Date Received 3-21-2000  Serial # (if available)  Fire Department Permit #	T markh	(City dy Town)
Serial # (if available)	27 411-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
Serial # (if available)	Data Bassived 3-2/-2000	00-08
	가는, 하게 되면 어로운 아파가 되었습니다. 그렇게 함드 <u>다.</u> 하나 모든	Fire Department Permit #
Tank I D # (Form FP-290)	Serial # (if available)	
Talk i.D. ( Complian	Tank I.D. # (Form FP-290)	Engage) to HST Compliance
Tank I.D. # (Form FP-290) Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to: UST Complian Office of the State Fire Marshal, P.O. Box 1025 State Road, Stow, MA 01775.	Owner/Operator to mail revised copy of Notif Office of the State Fire Marshal, P.O. Box 102	ication Form (FP290, of FP290K) to . UST Compliance 25 State Road, Stow, MA 01775.

508-560-5040

Fee:



Commonwealth of Massachusetts

Department of Five Services - Board of Five Prevention Wh

Warveel

### **APPLICATION and PERMIT**

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Took Owner	
Tank Owner Comm of Mass (DMH)	
Tank Owner Name (please print)	XSignature (if apilying for permit)
Address 1 Ashburton, Pl, Boston MA	
Street	City State Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental Inc.	Co. or Individual Same
Address 216 Riccieti Dr, Quincy, Ma	Address
/ / ///	
Signature (if applying for permit)	Signature (if applying for permit)
X / //~ c//full 5	
/ IFCI Certified Other	☐ IFCI Certified ☐ LSP # Other
Tank Information	
Tank Location 181 Lyman Street - Westboro	ugh State H <b>o</b> sptial (Pwer Plnt)
Steet Address	City
Tank Capacity (gallons) 275 Round	Substance Last Stored Diesel
Tank Dimensions (diameter x length)	
Remarks:Above Ground Storage Tank - Right	Coner Rear
Disposal Information	
Firm transporting wasteNA	State Ling # MA 359
Hazardous waste manifest#	E.P.A. #00554497
Approved tank disposal yardGrant Stee1	Tank yard #
Type of inert gasTank yard address	
Approvals	2000- 1.1
City or Town Westborough	FDID# 27328 Permit# 44
Date of issue 11 December 2000	
Dig safe approval number: NA	Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit	Hed Hen



## Commonwealth of Massachusetts

Department of Fire Services - Board of Fire Prevention

## **APPLICATION** and **PERMIT**

Fee: \$20. ∞

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, ap	plication is nereby made by.
Tank Owner Name (please print) Dept. of Monto	1 Hon Hk
Tank Owner Name (please print)	Signature (if apilying for permit)  OZIII
Address 25 Staniford Street	City State Zip
Removal Contractor	Contamination Assessment
Company Name Green Environmental Inc	Co. or Individual
	1 1 1/1 =
Address 210 KICCILTI DYW, CHUNKING Signature (if applying for permit)  IFCI Certified Other	Signature (if applying for permit)
Fredrick Sulliva	∩ Other
☐ IFCI Certified Other	I IFCI Certified LISF #
Tank Information	+ (Piggory) Wastbornigh
1	
Tank Capacity (gallons)	Substance Last Stored
Tank Dimensions (diameter x length)	
Remarks:	
Disposal Information  Firm transporting waste Wistern Out	State Lig. # Ma 52
Firm transporting waste LUNTENTICA	BT50009118
Hazardous waste manifest#	E.P.A. # _PCLD (XXXXXIII)
Approved tank disposal yard James G. Grant C	0. Tank yard # 608
Type of inert gas Chy icl Tank yard address 2	8 Lenkott Street, Preadville, LIQ 0213
Approvals	
City or Town WESTBORN	FDID#
Date of issue	Date of expiration 6-30-60
Date of issue	
Dig safe approval number: 2000 110743  Signature / Title of Officer granting permit Capt Code	Dig Safe Toll Free Tel. Number - 800-322-4844

March Lorenza		TANK REMOVED FROM
<u>TA</u>	NK DATA	(umon ST. (Piggery)
	allons <u>2500</u>	(No. and Street)
Pr	evious Contents	City or Town
D	iameterLength	- $        -$
D	ate Received 3-21-2000	Fire Department Permit # 00-06
	erial # (if available)	
1	ank I.D. # (Form FP-290)	copy of Notification Form (FP290, or FP290R) to : UST Compliance, P.O. Box 1025 State Road, Stow, MA 01775.
	Owner/Operator to man revision of the State Fire Marshal,	P.O. Box 1025 State Road, Stow, MA 01775.

### Notification for Underground Storage Tanks



Submit to: LOCAL FIRE DEPARTMENT

4 - 1								
FIRE-		s.	TATE L	SE ON	ILY	FIRE CERTI	DEPT. FICATI	OH
27.	328					Ri	σ	
	Received							

#### GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means-

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1, gasoline, used oil, or diesel fuel, and 2, industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,400 gallons or less capacity used for storing motor fuel for noncommercial purposes; 2. tanks used for storing heating oil for consumptive use on the premises where stored;

Name and official/little gif owner or owner's duthorized representative

3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Salety Act of 1968, or the Hazardous Liquid Pipeline Salety Act of 1979, or which is an intrastate pipeline facility regulated under State laws,

5, surface impoundments, pits, ponds, or lagoons; 6, storm water or waste water collection systems;

7. flow-through process tanks:

8, liquid traps or associated gathering lines directly related to oil or gas production and

gathering operations;

9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8. 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

#### **INSTRUCTIONS**

Please type or print in ink all items except "signature" in Section V. This form must by completed for
each location containing underground storage tanks. If more than 5 tanks are owned at this location
photocopy the reverse side, and staple continuation sheets to this form.
•

Date Signed 11/9/10,

9	>

each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.						
I. OWNERSHIP OF TANK(S)	II. LOCATION OF TANK(S)					
Owner Name (Corporation, Individual, Public Agency, or Other Entity) COMMONWEALTH OF MASS	(If same as Section 1, mark box here )  Facility Name or Company Site Identifier, as applicable					
Street Address LYMAN STREET	WESTBOROUGH STATE HOSPITAL					
County WORCESTER	Street Address or State Road, as applicable LYMAN STREET					
City State ZIP Code WESTBOROUGH MASS 01581	County WORCESTER					
Area Code Phone Number	City (nearest) State ZIP Code WESTBORUGH MASS 01581					
Type of Owner (Mark all that apply )  Current State or Local Gov't Corporate Former Federal Gov't Ownership uncertain	Indicate number of tanks at this location  Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands					
III. CONTACT PERSON	AT TANK LOCATION					
Name (If same as Section I, mark box here ) Job Title  GEORGE W. YOUNG CHIEF ENGI	017 300-4401					
	OTIFICATION					
	or subsequent notification for this location.  Ign after completing Section VI.)					
I certify under penalty of law that I have personally examined and a documents, and that based on my inquiry of those individuals imme submitted information is true, accurate, and complete.	am familiar with the information submitted in this and all attached					

Signature

Owner Name (from Section I) Westboro State Hospitalion (from Section II) Storehouse

Page No.

l of

) \_\_Pages

VI. DESCRIPTION OF UNDERGROUN	D STORAGE TANI	KS (Complete for é	ach tank at this loc	ation.)	
ank Identification No. (e.g., ABC-123), or rbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No. ว	Tank No.	Tank No.	Tank No.	Tank No.
Status of Tank  (Mark all that apply ♥ )  Currently in Use  Temporarily Out of Use  Permanently Out of Use  Brought into Use after 5/8/86					
. Estimated Age (Years)	unknown 2000				
. Estimated Total Capacity (Gallons)  . Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown	2000				
Other, Please Specify					
5. Internal Protection Cathodic Protection (Mark all that apply 図) Interior Lining (e.g., epoxy resins) None Unknown					
Other, Please Specify					
6. External Protection (Mark all that apply III)  Fiberglass Reinforced Plastic Coated None Unknown					
Other, Please Specify		_			
7. Piping Bare Steel (Mark all that apply III) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown					
Other, Please Specify					
8. Substance Currentty or Last Stored in Greatest Quantity by Volume b. Petroleum (Mark all that apply 10) Diese Kerosene Gasoline (including alcohol blends Used Oi					
Other, Please Specify c. Hazardous Substance					
Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No Mark box 12 if tank stores a mixture of substance d. Unknow	o.				
9. Additional Information (for tanks permanently taken out of service)  a. Estimated date last used (mo/y)  b. Estimated quantity of substance remaining (gall c. Mark box 12 if tank was filled with inert material (e.g., sand, concret	al	/	/	/	/

				7	
		4		A	
ge	No.	<b>-</b>	of_	#	Page

VI. DESCRIPTION OF UNDERGROUN	ID STORAGE TAN	KS (Complete for e	each tank at this lo	cation.)	
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No. 1	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank  (Mark all that apply ☑)  Currently in Use  Temporarily Out of Use  Permanently Out of Use  Brought into Use after 5/8/86	<u>X</u>				
2. Estimated Age (Years)	unknown				
3. Estimated Total Capacity (Gallons)	5000				
4. Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify					
5. Internal Protection Cathodic Protection (Mark all that apply 12) Interior Lining (e.g., epoxy resins)  None Unknown					
Other, Please Specify					ļ
6. External Protection Cathodic Protection (Mark all that apply 21) Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify					
7. Piping  (Mark all that apply   Galvanized Steel  Fiberglass Reinforced Plastic  Cathodically Protected  Unknown					
Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply 12)  Gasoline (including alcohol blends) Used Oil  Other, Please Specify C. Hazardous Substance					
Please Indicate Name of Principal CERCLA Substance					
OR Chemical Abstract Service (CAS) No. Mark box 🗷 if tank stores a mixture of substances d. Unknown					
9. Additional Information (for tanks permanently taken out of service)					
a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box 2 if tank was filled with inert material (e.g., sand, concrete)	6 /1075 none	/	/	/	/

Owner Name (from Section I) Westboro State Hos Cocation (from Section II) Hadley Building Page No.

2	/	
G	Pages	
ef of	Pages	

VI. DESCRIPTION OF UNDERGROUN	ID STORAGE TAN	KS (Complete for e	each tank at this lo	cation )	
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank  (Mark all that apply   Permanently Out of Use  Brought into Use after 5/8/86	<del>*</del>				
2. Estimated Age (Years)	<b>1</b> 2				
3. Estimated Total Capacity (Gallons)	1000				
4. Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify	<b>X</b>				
5. Internal Protection					
(Mark all that apply 函) Cathodic Protection (Mark all that apply 函) Interior Lining (e.g., epoxy resins) None Unknown					
Other, Please Specify					
6. External Protection Cathodic Protection (Mark all that apply 11) Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown					
Other, Please Specify		,			
7. Piping  (Mark all that apply II)  Galvanized Steel  Fiberglass Reinforced Plastic  Cathodically Protected  Unknown  Other, Please Specify					
8. Substance Currentty or Last Stored a. Empty					
in Greatest Quantity by Volume (Mark all that apply ID)  Diesel  Kerosene  Gasoline (including alcohol blends)  Used Oil  Other, Please Specify  c. Hazardous Substance	l p ga s	,			
Please Indicate Name of Principal CERCLA Substance					
Chemical Abstract Service (CAS) No.  Mark box 🖾 if tank stores a mixture of substances  d. Unknown					
Additional Information (for tanks permanently taken out of service)					
a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal) c. Mark box 12 if tank was filled with inert material (e.g., sand, concrete)	/	/	/	/	/

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wner Name (from Section I) Westboro	State	HOSPecation (from Section II)	Danniels	Budld Barray

Owner Name (from Section I) Westboro State Hos	Cocation (from Sec	ction II) <u>Dann</u>	iels Build	Page No.	of Pages
VI. DESCRIPTION OF UNDERGROU					
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank (Mark all that apply (X))  Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86  2. Estimated Age (Years)	[X] [] [] 25	X			
3. Estimated Total Capacity (Gallons)	500	500			
4. Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify		X			
C lateral D et al.					
(Mark all that apply 10) Cathodic Protection (Mark all that apply 10) Interior Lining (e.g., epoxy resins)  None Unknown					
Other, Please Specify					
6. External Protection (Mark all that apply III)  Painted (e.g., asphaltic)  Fiberglass Reinforced Plastic Coated  None  Unknown  Other, Please Specify					
7. Piping  (Mark all that apply 12)  Galvanized Steel  Fiberglass Reinforced Plastic  Cathodically Protected  Unknown  Other, Please Specify					
8. Substance Currently or Last Stored a. Empty in Greatest Quantity by Volume					
(Mark all that apply E)  b. Petroleum  Diesel  Kerosene  Gasoline (including alcohol blends)  Used Oil  Other, Please Specify  c. Hazardous Substance	1 p gas	l p cas			
Please Indicate Name of Principal CERCLA Substance					
OR Chemical Abstract Service (CAS) No. Mark box 🗷 if tank stores a mixture of substances d. Unknown					
Additional Information (for tanks permanently taken out of service)					
<ul> <li>a. Estimated date last used (mo/yr)</li> <li>b. Estimated quantity of substance remaining (gal.)</li> <li>c. Mark box 2 if tank was filled with inert material (e.g., sand, concrete)</li> </ul>		/		/	/

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Owner Name (from Section I) Westhoro Hosp. Location (from Section II) Hennessey Build. Page No.		M n	
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VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.) Tank Identification No. (e.g., ABC-123), or Tank No. Tank No. Tank No. Tank No. Tank No. Arbitrarily Assigned Sequential Number (e.g., 1,2,3...) 1 2 1. Status of Tank Currently in Use (Mark all that apply 图) Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86 2. Estimated Age (Years) 3. Estimated Total Capacity (Gallons) 500 500 4. Material of Construction Steel (Mark one 🖾) Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify 5. Internal Protection (Mark all that apply (Mark all None Unknown Other, Please Specify 6. External Protection Cathodic Protection (Mark all that apply 12) Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify 7. Piping Bare Steel (Mark all that apply 図) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify 8. Substance Currently or Last Stored a. Empty in Greatest Quantity by Volume b. Petroleum (Mark all that apply 面) Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance Chemical Abstract Service (CAS) No. Mark box 23 if tank stores a mixture of substances d. Unknown 9. Additional Information (for tanks permanently taken out of service) a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box 12 if tank was filled with inert material (e.g., sand, concrete)

Owner Name (from Section I) estboro State Hospocation (from Section II) Sharp Building Page No. of Page

Manager at the 2014 of the part of the first of the company of the part of the			Ideritalik di Illis ide		
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No. 2	Tank No.	Tank No.	Tank No.
1. Status of Tank (Mark all that apply 図)  Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86		X			
2. Estimated Age (Years)	28	10			
3. Estimated Total Capacity (Gallons)	500	500			
4. Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify					
5. Internal Protection (Mark all that apply th) Interior Lining (e.g., epoxy resins) None Unknown					
Other, Please Specify					
6. External Protection (Mark all that apply 12)  Fiberglass Reinforced Plastic Coated None Unknown					
Other, Please Specify					
7. Piping Bare Steel (Mark all that apply 10) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown					
Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply ©)  Gasoline (including alcohol blends) Used Oil Other, Please Specify c. Hazardous Substance	l p ges	l p gas			
Please Indicate Name of Principal CERCLA Substance					
OR Chemical Abstract Service (CAS) No. Mark box 🗷 if tank stores a mixture of substances d. Unknown					
Additional Information (for tanks permanently taken out of service)					
a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box 2 if tank was filled with inert material (e.g., sand, concrete)	/	/	/		/

VI. DESCRIPTION OF UNDERGROUN	D STORAGE TAN	KS (Complete for a			
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank (Mark all that apply 图)  Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86					
2. Estimated Age (Years)	24	24	24		
3. Estimated Total Capacity (Gallons)	30,000	30,000	30,000		
4. Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify	x				
5 Internal Protection					
(Mark all that apply XI)  Interior Lining (e.g., epoxy resins)  None  Unknown		X	X		
Other, Please Specify					
6. External Protection (Mark all that apply ☑)  Fiberglass Reinforced Plastic Coated None Unknown					
Other, Please Specify					
7. Piping Bare Steel (Mark all that apply II) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown					
Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply © )  Gasoline (including alcohol blends) Used Oil Other, Please Specify c. Hazardous Substance	no.6,011	no.6 of	I no.6 oi		
Please Indicate Name of Principal CERCLA Substance					.
Chemical Abstract Service (CAS) No.  Mark box 🖾 if tank stores a mixture of substances  d. Unknown					
9. Additional Information (for tanks permanently taken out of service)  a. Estimated date last used (mo/yr)  b. Estimated quantity of substance remaining (gal.)	/	/	/	/	/
c. Mark box 🛭 if tank was filled with inert material (e.g., sanu, concrete)					

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Owner Name (from Section I) Westboro Hosp	Location (from Section II)	Green House	Page No.	<u> </u>	Pages

VI. DESCRIPTION OF UNDERGROUN	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.				
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank  (Mark all that apply 10)  Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86		X	X		
Estimated Age (Years)     Stimated Total Capacity (Gallons)	25 3000	25 1500	25 1000		
4. Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify			X  		
5. Internal Protection Cathodic Protection (Mark all that apply 図) Interior Lining (e.g., epoxy resins) None Unknown				- - - - - -	
Other, Please Specify  6. External Protection (Mark ell that apply ©)  Fiberglass Reinforced Plastic Coated None Unknown					
Other, Please Specify					
7. Piping Bare Steel (Mark all that apply II) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown					
Other, Please Specify	copper	tubing_	same		
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply II) b. Petroleum (Mark all that apply II) Diesel Kerosene  Gasoline (including alcohol blends) Used Oil Other, Please Specify c. Hazardous Substance	no.2 oil	no 2 oil	no.2 oil		
Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box 🗷 if tank stores a mixture of substances d. Unknown					
9. Additional Information (for tanks permanently taken out of service)  a. Estimated date last used (mo/yr)  b. Estimated quantity of substance remaining (gal.)  c. Mark box 2 if tank was filled with inert material (e.g., sand, concrete)	/	/	/	/	/
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wner Name (from Section I) Westboro State H	Lecation (from Sec	tion II)Gar	28 Ø 8	_ Page No	. of <u>9</u> Page
VI. DESCRIPTION OF UNDERGROU	IND STORAGE TAN	KS (Complete for e	ach tank at this loc		
ank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
(Mark all that apply   (Mark all that apply   Example 2  Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86					
2. Estimated Age (Years)	3000				
3. Estimated Total Capacity (Gallons) 4. Material of Construction Steel (Mark one 図) Concrete Fiberglass Reinforced Plastic Unknown					
Other, Please Specify  5. Internal Protection (Mark all that apply 2) Interior Lining (e.g., epoxy resins) None Unknown					
Other, Please Specify  6. External Protection (Mark all that apply 10)  Fiberglass Reinforced Plastic Coated None Unknown  Other, Please Specify					
7. Piping Bare Steel (Mark all that apply 図) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown					
Other, Please Specify		<u> </u>			
8. Substance Currently or Last Stored in Greatest Quantity by Volume  (Mark all that apply 12)  Gasoline (including alcohol blends)  Used Oi					
Other, Please Specify c. Hazardous Substance		e 🗔			
Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No Mark box 🗷 if tank stores a mixture of substance d. Unknown	s				
9. Additional Information (for tanks permanently taken out of service)  a. Estimated date last used (mo/yr b. Estimated quantity of substance remaining (gal c. Mark box 2 if tank was filled with inert materia (e.g., sand, concrete	.)	/	/	/	/



January 12, 2001

CONSULTING SERVICES

Mr. David Horowitz Tighe & Bond 53 Southampton Street Westfield, Massachusetts 01085

CONTRACTING SERVICES Underground Storage Tank (UST) Closure Report Westborough State Hospital (Greenery)

Lyman Street Westborough, MA

Dear Mr. Horowitz:

RE:

WASTE MANAGEMENT Green Environmental, Inc. (GREEN) was contracted by the State of Massachusetts to close in place two (2) 2,500-gallon #2 oil Underground Storage Tanks (USTs) at the above-referenced property.

#### UST CLOSURE

GREEN mobilized to the site to perform UST cleaning and closure in place services. GREEN conducted excavation activities to expose the top of the USTs and accessed the interior of the UST's by cold cutting methods for entry and cleaning purposes. The tank was entered after appropriate confined space entry procedures were followed, including donning personal protective equipment and monitoring the atmospheric conditions in the UST. The tank was entered, pumped and cleaned. The tank contents were pumped and transported by Western Oil, Inc. for proper off site disposal. Upon completion of the UST cleanings, both

On March 22, 2000, after obtaining the appropriate permits and fire department approval,

USTs were filled in place utilizing a lean concrete slurry mix.

#### FIELD SCREENING AND SAMPLING

SITE DESIGN

CIVIL

ENGINEERING

After cleaning of the USTs was performed, soil samples were obtained from the surrounding soils of the USTs by advancing holes through the bottom and sidewalls of each UST. Soil samples were headspace screened for the presence of volatile organic compound (VOC) vapors in accordance with the protocols outlined in DEP policy #WSC 94-400, Jar Headspace Analytical Screening Procedure. VOC vapors were not detected in the bottom and sidewall samples. In an effort to confirm the absence of petroleum constituents in the soils, in the vicinity of the UST, two soil samples from the bottom of the excavation were obtained by Ken Jendren of Tighe & Bond and submitted for Extractable Petroleum

216 Ricciuti Drive Quincy, MA 02169

Phone: (617) 479-0550 Fax: (617) 479-5150 Mr. David Horowitz January 12, 2001 Page 2



Hydrocarbon (EPH) analysis. Analytical results received show no exceedance of applicable reportable concentrations under the Massachusetts Contingency Plan (310 CMR 40).

#### CONCLUSIONS

- Two 2,500-gallon capacity #2 fuel oil USTs were exposed, entered, and cleaned
- Analytical data received showed no exceedance of applicable reportable concentrations under the Massachusetts Contingency Plan (310 CMR 40)
- Cleaned USTs were filled with a lean concrete slurry mix
- The closures in place, as well as all other tank issues at the above location are complete and were completed in accordance with State and Federal regulations.

#### LIMITATIONS

The opinions expressed by GREEN are based solely on the references and information cited in this report. Observations were made at the subject site under the conditions stated. This report does not constitute a complete determination of whether past or current owners, operators or occupants of the site have been in compliance with all applicable State, Federal or local environmental regulations.

This report may contain opinions and/or recommendations that are partially based on the analysis of data accumulated at the time and place set forth in the report during the removal, installation and closure of the USTs/ASTs. However, further investigation may reveal additional data or variations from the current data, which could potentially result in modification of GREEN's conclusions.

Please feel free to contact the me directly at 617-479-0550 with any questions.

Sincerely,

GREEN ENVIRONMENTAL, IN

Patrick Sullivan

Project Manager

cc: Westborough Fire Department



ARGEO PAUL CELLUCCI Governor

JANE SWIFT Lieutenant Governor

## COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Regional Office, 627 Main Street, Worcester, MA 01608

BOB DURAND Secretary

LAUREN A. LISS Commissioner

## URGENT LEGAL MATTER: PROMPT ACTION NECESSARY CERTIFIED MAIL: RETURN RECEIPT REQUESTED

JUL 1 2 2000

Massachusetts Department of Mental Health 25 Staniford Street Boston, MA 02114 RE: CRWSC-Westborough Lyman Street Westborough State Hospital

Attention: William M. Corliss,

Director of Engineering and Facilities Management

Release Tracking # 2-13299

NOTICE OF RESPONSIBILITY 120-DAY NOTIFICATION M.G.L. C. 21E, 310 CMR 40.0000

Dear Mr. Corliss:

Thank you for submitting the Release Notification Form (RNF) and supporting information received by the Department of Environmental Protection, Bureau of Waste Site Cleanup (the Department) on May 16, 2000. In light of this action, the Department wishes to ensure that you (as used in this notice, "you" refers to Massachusetts Department of Mental Health) are aware of your rights and responsibilities under the Massachusetts Oil and Hazardous Material Release Prevention and Response Act, M.G.L. c. 21E, and the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000.

Your submittal presents the Department with information that the above-referenced property has been subject to a release of oil to soil exceeding the applicable Reportable Concentrations (RCs). Based on this information, the Department has reason to believe that the property, or portions thereof, is a disposal site which requires a response action. M.G.L. c.21E and the MCP govern the cleanup of disposal sites.

In your submittal, you identify yourself as a party with potential liability for response action costs and damages under M.G.L. c. 21E, §5. This liability is "strict" meaning that it is not based on fault but solely on your status as owner of the property. This notice and the attached summary are intended to provide you with information about liability under Chapter 21E to assist you in deciding what actions to take in response to this release.

You should be aware that you may have claims against third parties for damages, including claims for contribution or reimbursement for the costs of cleanup. Such claims do not exist indefinitely but are governed by laws which establish the time allowed for bringing litigation. The Department encourages you to take any action necessary to protect any such claims you may have against third parties.

#### ACTIONS UNDERTAKEN TO DATE AT THE SITE

On May 16, 2000, the Department received a RNF for a release of oil to soil at the Westborough State Hospital Power House Facility, Lyman Street, Westborough. The RNF identified the presence of No. 6 fuel oil in the soil at concentrations that were unknown, but presumed to be greater than the applicable RC for petroleum hydrocarbons.

Information you provided to the Department states that this contamination was encountered during the removal of three, No. 6 fuel oil underground storage tanks (USTs) on May 8, 2000. On May 8 through 11, 2000, your contractor, Green Environmental, under the direction of your environmental consultant, Tighe & Bond, removed the USTs and excavated and stockpiled approximately 750 cubic yards (cy) of this oil-contaminated soil prior to notification. In addition, on May 12, 2000, approximately 5,000 gallons of oil-contaminated groundwater were pumped from the excavation into a frac tank. On May 12, 2000 Ken Gendron of Tighe and Bond contacted this office in an attempt to obtain the Department's retroactive approval of the work that had already been completed and to obtain approval for additional soil excavation. To meet his intended purpose of expanding the excavation, Mr. Gendron tried to provide oral notification in an attempt to complete the excavation as an Immediate Response Action (IRA). Failing at this, Mr. Gendron next requested oral approval to complete the excavation under a Release Abatement Measure (RAM) as a continuation as a Limited Removal Action (LRA).

The Department denied granting approval of Mr. Gendron's requests on the grounds that his requests were inappropriate and violations of the MCP may have occurred. The Department ordered that the soil removal activities stop until an RNF and a written RAM Plan were submitted to the Department and approved.

The Department has assigned Release Tracking #2-13299 to this release. On May 16, 2000 the Department received a RAM Plan that proposes to excavate, stockpile and recycle approximately 2,500 cy of oil-contaminated soil and to treat and discharge groundwater pumped from the excavation. The Department issued written approval, with conditions, to conduct the proposed RAM on June 2, 2000. The Department has no other information regarding further actions taken or proposed in response to this release.

Please be advised that the Department is reviewing the available information to identify violations of the MCP that may have occurred and determine what enforcement actions the Department may wish to bring against you. The Department will notify you of its decision on this matter.

#### NECESSARY RESPONSE ACTIONS AND APPLICABLE DEADLINES

Please be advised that May 16, 2000 is considered to be the date of release notification for RTN 2-13299. Unless otherwise stated, this date will be the baseline for calculating compliance with deadlines identified in the MCP.

No disposal site will be deemed to have had all the necessary and required response actions taken for it unless and until all substantial hazards presented by the release and/or threat of release have been eliminated and a level of no significant risk exists or has been achieved in compliance with the MCP. The MCP requires persons undertaking response actions at a disposal site to submit to the Department a Response Action Outcome (RAO) Statement prepared by a Licensed Site Professional upon determining that a level of no significant risk exists or has been achieved at the disposal site. A fee of \$750.00 is assessed if an RAO is filed 120 days after release notification, but before Tier Classification. Therefore, if all remediation work has been completed, you are encouraged to have the RAO submitted promptly to avoid the fee.

Unless otherwise provided by the Department, responsible parties have one year from the initial date notice of a release or threat of release is provided to the Department pursuant to 310 CMR 40.0300 or from the date the Department issues a Notice of Responsibility, whichever occurs earlier, to file with the Department one of the following submittals: (1) a completed Tier Classification Submittal; or (2) a Response Action Outcome Statement. If required by the MCP, a completed Tier I Permit Application must also accompany a Tier Classification Submittal. The deadline for these submittals for this release is **May 16, 2001**.

The MCP requires responsible parties and any other person undertaking response actions to perform Immediate Response Actions in response to sudden releases, Imminent Hazards and Conditions of Substantial Release Migration. Such persons must continue to evaluate the need for Immediate Response Actions and notify the Department immediately if such a need exists.

#### PROCEDURES TO FOLLOW TO UNDERTAKE RESPONSE ACTIONS

The Department encourages parties having liability under M.G.L. c. 21E to take prompt action in response to releases and threats of release of oil and hazardous materials. By taking prompt action, liable parties may significantly lower cleanup costs and avoid the imposition of, or reduce the amount of, certain permit and/or annual compliance assurance fees payable under 310 CMR 4.00.

You must continue to employ or engage a Licensed Site Professional to manage, supervise or perform all response actions which you intend to undertake at this disposal site. You may obtain a list of the names and addresses of Licensed Site Professionals by contacting the Board of Registration of Hazardous Waste Site Cleanup Professionals by telephone at (617) 556-1145 or in person or by mail at One Winter Street, 10th Floor, Boston, Massachusetts 02108.

If you have any further questions, please contact the Central Regional Office at the letterhead address or at 508/792-7653. All future correspondence and communications regarding the release subject to this Notice at the disposal site should reference Release Tracking #2-13299.

Sincerely,

JUL 1 2 2000

Edmond G. Benoit

Deputy Regional Director

Bureau of Waste Site Cleanup

#### EGB\FS\PAS\PDV

#### **Enclosures**

cc:

Westborough Board of Selectmen

Westborough Board of Health

Westborough Fire Department

Tighe & Bond, Inc., 110 West Boylston St., Worcester, MA 01606

Massachusetts Department of Mental Health, 45 Hospital Rd, Medfield, MA 02052

Attention: Martin Baker, Director of Facility Operations

Robert Bostwick, CERO

~ Michael Maher, CERO

**Database Entry** 

File

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### SUMMARY OF LIABILITY UNDER CHAPTER 21E

As stated in the Notice of Responsibility accompanying this summary, the Department has reason to believe that you are a Potentially Responsible Party ("PRP") with potential liability under M.G.L. c. 21E, section 5, for response action costs and damages to natural resources caused by the release and/or threat of release. The Department has identified you as a PRP because it believes you fall within one or more of the following categories of persons made potentially liable by subsection 5(a):

- any current owner or operator of a site from or at which there is or has been a release or threat of release of oil and/or hazardous material;
- any person who owned or operated a site at the time hazardous material was stored or disposed of;
- any person who arranged for the transport, disposal, storage or treatment of hazardous material to or at a site;
- any person who transported hazardous material to a transport, disposal, storage
  or treatment site from which there is or has been a release or threat of release of
  such material; and
- any person who otherwise caused or is legally responsible for a release or threat of release of oil or hazardous material at a site.

For purposes of the MCP, you are considered a Responsible Party ("RP") with actual liability under Chapter 21E if you fall within one of these categories unless you (1) are entitled to a defense under section 5 or other applicable law, and (2) have reasonably incurred cleanup costs in an amount equal to or greater than any applicable cap on liability under subsection 5(d).

This liability is "strict," meaning it is not based on fault, but solely on your status as an owner, operator, generator, transporter or disposer. It is also joint and several, meaning that each person who falls within one of these categories may be held liable for all response action costs incurred at the site, regardless of the existence of any other liable parties.

Section 5 provides a few narrowly drawn defenses to liability, including a defense for releases and damages caused by an act of God, an act of war or an act by a third party other than an employee, agent or person with whom the party has a contractual relationship (see subsection 5(c)); a defense for certain owners of residential property at which the owner maintains a permanent residence (see subsection 5(h)); and a defense for certain public utilities and agencies of the Commonwealth which own a right-of-way that is a site (see subsection 5(j)).

You may voluntarily undertake response actions under the MCP without having your liability under Chapter 21E formally adjudicated by the Department. If you do not take the necessary response actions, or fail to perform them in an appropriate and timely manner, the Department is authorized by Chapter 21E to perform the necessary work.

By taking the necessary response actions, you can avoid liability for response action costs incurred by the Department in performing these actions. If you are an RP and you fail to perform necessary response actions at the site, you may be held liable for up to three (3) times all response action costs incurred by the Department and sanctions may be imposed on you for failure to perform response actions required by the MCP.

Response action costs include, without limitation, the cost of direct hours spent by Department employees arranging for response actions or overseeing work performed by persons other than the Department or its contractors, expenses incurred by the Department in support of those direct hours, and payments to the Department's contractors (for more detail on cost liability, see 310 CMR 40.1200: Cost Recovery). The Department may also assess interest on costs incurred at the rate of twelve percent (12%), compounded annually.

Any liability to the Commonwealth under Chapter 21E constitutes a debt to the Commonwealth. To secure payment of this debt, the Department may place liens on all of your property in the Commonwealth under M.G.L. c. 21E, section 13. To recover this debt, the Commonwealth may foreclose on these liens or the Attorney General may bring legal action against you.

In addition to your potential liability for response action costs and damages to natural resources caused by the release, civil and criminal liability may also be imposed by a court of competent jurisdiction under M.G.L. c. 21E, section 11, and civil administrative penalties may be assessed by the Department under M.G.L. c. 21A, section 16, for each violation of Chapter 21E, the MCP or any order, permit or approval issued thereunder.

If you are an RP and you have reason to believe that your performance of the necessary response actions is beyond your technical, financial or legal ability, you should promptly notify the Department in writing of your inability in accordance with Chapter 21E, subsection 5(e), and 310 CMR 40.0172. If you assert and demonstrate in compliance therewith that performing or paying for such response action is beyond your ability, subsection 5(e) provides you with a limited defense to an action by the Commonwealth for recovery of two to three times the Department's response action costs and 310 CMR 40.0172 provides you with a limited defense to the Department's assessment of civil administrative penalties.



ARGEO PAUL CELLUCCI Governor

JANE SWIFT Lieutenant Governor

# Commonwealth of Massachusetts Executive Office of Environmental Affairs

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Regional Office 627 Main Street, Worcester, MA 01608

BOB DURAND Secretary

LAUREN A. LISS Commissioner

URGENT LEGAL MATTER: PROMPT ACTION NECESSARY

CERTIFIED MAIL: RETURN RECEIPT REQUESTED

OCT 16 2000

Massachusetts Department of Mental Health 25 Staniaford St.

Boston, MA 02114

ATTN: William M. Coriss

//A 02114

Director of Engineering & Facilities Management

RE: CRWSC - Westborough Westborough State Hospital Lyman St.

Release Tracking #2-13490

MOTICE OF RESPONSIBILITY M.G.L. c. 21E, 310 CMR 40.0000

Dear Mr. Coriss:

The Department of Environmental Protection (the Department) was notified on September 22, 2000, at 3:10 p.m., that a release of gasoline occurred at the above-referenced property. Specifically, during the removal of a two-thousand (2,000) gallon underground storage tank (UST) and an eleven-thousand (11,000) gallon underground storage tank (UST), up to thirteen-hundred and twenty-eight (1,328) parts per million by volume (ppmv) of total organic vapors, detected "as benzene", were determined to be present in the soil. Such condition required oral notification to the Department within 72-hours and performance of an Immediate Response Action (IRA). In light of the notification and other information available, the Department wishes to ensure that you are aware of your rights and responsibilities under the Massachusetts Oil and Hazardous Material Release Prevention and Response Act, M.G.L. c. 21E, and the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000.

The Department has reason to believe that the property, or portions thereof, is a disposal site which requires a response action under Chapter 21E and the MCP. The cleanup of disposal sites is governed by Chapter 21E and the MCP.

The Department also has reason to believe that you (as used in this Notice, "you" refers to Massachusetts Department of Mental Health) are a party with potential liability for response action costs and damages under Chapter 21E, § 5.

The attached summary is intended to provide you with information about liability under Chapter 21E to assist you in deciding what actions to take in response to this Notice.

You should be aware that you may have claims against third parties for damages, including claims for contribution or reimbursement for the costs of cleanup. Such claims do not exist indefinitely but are governed by laws which establish the time allowed for bringing litigation. The Department encourages you to take any action necessary to protect any such claims you may have against third parties.

#### ACTIONS UNDERTAKEN TO DATE AT THE SITE

Information on file with the Department indicates that the following response actions have been performed to date at this disposal site:

- The USTs were removed;
- Approximately 18 cubic yards of soil were removed and are temporarily stockpiled at the site.

### On September 22, 2000 at 3:10 p.m. "you" agreed to take the required IRA.

On September 22, 2000, the Department gave you oral approval to conduct the IRA you proposed. The Department's oral IRA approval included the following:

• Remove and properly dispose of up to 100 cubic yards of gasoline contaminated soil.

You must dispose of any Remediation Waste as defined by the MCP, including, without limitation, contaminated soil and/or debris, generated at the location in accordance with 310 CMR 40.0030. Any Bill of Lading accompanying such waste must bear the seal and signature of a Licensed Site Professional.

#### NECESSARY RESPONSE ACTIONS AND APPLICABLE DEADLINES

Please be advised that <u>September 22, 2000</u> is considered to be the date of release notification. Unless otherwise stated, this date will be the baseline for calculating compliance with deadlines contained within the MCP.

The MCP requires responsible parties and any other person undertaking response actions at a disposal site to perform Immediate Response Actions in response to sudden releases, Imminent Hazards and Conditions of Substantial Release Migration. Such persons must continue to evaluate the need for Immediate Response Actions and notify the Department immediately if such a need exists.

Westborough State Hospital; Lyman St., Westborough; RTN 2-13490

As an integral part of the response action(s) for this release, you must also comply with the following:

- 1. Submit a completed *Release Notification & Retraction Form* to the Department in accordance with 310 CMR 40.0300 (i.e., within **60 days** of the date of release notification).
- 2. Submit an IRA Plan (310 CMR 40.0420), or IRA Completion Statement (310 CMR 40.0427), or a Response Action Outcome Statement (310 CMR 40.1000) whichever is applicable to the Department within **60 days** of the date of the release notification or the date of service of this Notice, whichever comes first.

No disposal site will be deemed to have had all the necessary and required response actions taken for it unless and until all substantial hazards presented by the release and/or threat of release have been eliminated and a level of no significant risk exists or has been achieved in compliance with M.G.L. c. 21E and the MCP.

A fee of \$750.00 is assessed if an RAO is filed 120 days after release notification, but before Tier Classification. Therefore, if all remediation work has been completed, you are encouraged to have the RAO submitted promptly to avoid the fee.

Unless otherwise provided by the Department, responsible parties have one year from the initial date notice of a release or threat of release is provided to the Department pursuant to 310 CMR 40.0300 or from the date the Department issues a Notice of Responsibility, whichever occurs earlier, to file with the Department one of the following submittals: (1) a completed Tier Classification Submittal; or (2) a Response Action Outcome Statement. If required by the MCP, a completed Tier I Permit Application must also accompany a Tier Classification Submittal. The deadline for these submittals for this disposal site is **September 22, 2001**.

### PROCEDURES TO FOLLOW TO UNDERTAKE RESPONSE ACTIONS

The Department encourages parties having liability under M.G.L. c. 21E to take prompt action in response to releases and threats of release of oil and hazardous materials. By taking prompt action, liable parties may significantly lower cleanup costs and avoid the imposition of, or reduce the amount of, certain permit and/or annual compliance assurance fees payable under 310 CMR 4.00 (e.g., no annual compliance assurance fee is due for Response Action Outcome Statements submitted to the Department within 120 days of the initial date of release notification).

You must employ or engage a Licensed Site Professional (LSP) to manage, supervise, or actually perform all response actions which you intend to undertake at this disposal site. You may obtain a list of the names and addresses of Licensed Site Professionals by contacting the Board of Registration of Hazardous Waste Site Cleanup Professionals by telephone at (617) 556-1091 or in person or by mail at One Winter Street, 10th Floor, Boston, Massachusetts 02108.

Westborough State Hospital; Lyman St., Westborough; RTN 2-13490

If you have any further questions, please contact this office at the letterhead address or at (508) 792-7653. All future correspondence communications regarding the disposal site should reference the following Release Tracking Number: **2-13490**.

Sincerely,

OCT 16 2000

Edmond G. Benoit

Deputy Regional Director Bureau of Waste Site Cleanup

EGB/FS/NJC/kwd Enclosures

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cc: Westborough Fire Department V
Westborough Board of Health
Bob Dunne, DEP BWSC, CERO
Michael L'Heureux, LSP
Michael Maher, DEP, CERO
Database Entry

2\_13490.nor

#### **SUMMARY OF LIABILITY UNDER CHAPTER 21E**

As stated in the Notice of Responsibility accompanying this Summary, the Department has reason to believe that you are a Potentially Responsible Party ("PRP") with potential liability under M.G.L. c. 21E, Section 5, for response action costs and damages to natural resources caused by the release and/or threat of release. The Department has identified you as a PRP because it believes you fall within one or more of the following categories of persons made potentially liable by Subsection 5(a):

- any current owner or operator of a site from or at which there is or has been a release or threat of release of oil and/or hazardous material;
- any person who owned or operated a site at the time hazardous material was stored or disposed of;
- any person who arranged for the transport, disposal, storage or treatment of hazardous material to or at a site;
- any person who transported hazardous material to a transport, disposal, storage or treatment site from which there is or has been a release or threat of release of such material; and
- any person who otherwise caused or is legally responsible for a release or threat of release of oil or hazardous material at a site.

For purposes of the MCP, you are considered a Responsible Party ("RP") with actual liability under Chapter 21E if you fall within one of these categories unless you (1) are entitled to a defense under Section 5 or other applicable law, and (2) have reasonably incurred cleanup costs in an amount equal to or greater than any applicable cap on liability under Subsection 5(d).

This liability is "strict," meaning it is not based on fault, but solely on your status as an owner, operator, generator, transporter or disposer. It is also joint and several, meaning that each person who falls within one of these categories may be held liable for all response action costs incurred at the site, regardless of the existence of any other liable parties.

Section 5 provides a few narrowly drawn defenses to liability, including a defense for releases and damages caused by an act of God, an act of war or an act by a third party other than an employee, agent or person with whom the party has a contractual relationship (see Subsection 5(c)); a defense for certain owners of residential property at which the owner maintains a permanent residence (see Subsection 5(h)); and a defense for certain public utilities and agencies of the Commonwealth which own a right-of-way that is a site (see Subsection 5(j)).

You may voluntarily undertake response actions under the MCP without having your liability under Chapter 21E formally adjudicated by the Department. If you do not take the necessary response actions, or fail to perform them in an appropriate and timely manner, the Department is authorized by Chapter 21E to perform the necessary work.

By taking the necessary response actions, you can avoid liability for response action costs incurred by the Department in performing these actions. If you are a RP and you fail to perform necessary response actions at the site, you may be held liable for up to three (3) times all response action costs incurred by the Department and sanctions may be imposed on you for failure to perform response actions required by the MCP.

Response action costs include, without limitation, the cost of direct hours spent by Department employees arranging for response actions or overseeing work performed by persons other than the Department or its contractors, expenses incurred by the Department in support of those direct hours, and payments to the Department's contractors (for more detail on cost liability, see 310 CMR 40.1200: Cost Recovery). The Department may also assess interest on costs incurred at the rate of twelve percent (12%), compounded annually.

Any liability to the Commonwealth under Chapter 21E constitutes a debt to the Commonwealth. To secure payment of this debt, the Department may place liens on all of your property in the Commonwealth under M.G.L. c. 21E, Section 13. To recover this debt, the Commonwealth may foreclose on these liens or the Attorney General may bring legal action against you.

In addition to your potential liability for response action costs and damages to natural resources caused by the release, civil and criminal liability may also be imposed by a court of competent jurisdiction under M.G.L. c. 21E, Section 11, and civil administrative penalties may be assessed by the Department under M.G.L. c. 21A, Section 16, for each violation of Chapter 21E, the MCP or any order, permit or approval issued thereunder.

If you are an RP and you have reason to believe that your performance of the necessary response actions is beyond your technical, financial or legal ability, you should promptly notify the Department in writing of your inability in accordance with Chapter 21E, Subsection 5(e), and 310 CMR 40.0172. If you assert and demonstrate in compliance therewith that performing or paying for such response action is beyond your ability, Subsection 5(e) provides you with a limited defense to an action by the Commonwealth for recovery of two to three times the Department's response action costs and 310 CMR 40.0172 provides you with a limited defense to the Department's assessment of civil administrative penalties.



### The Commonwealth of Alassachusetts

Executive Office of Public Safety

Department of Fire Services-Office of the State Fire Marshal



	P.O. Box 1025, State Road, Stow, MA 01775	
1 /		DIG SAFE NUMBER
Date: ///3/00	APPLICATION FOR PERMIT	START DATE:
C. 82 S.40/M.G.L.	/	
To: Head of Fire Department:	City / Town	
In accordance with the provisions		tion is hereby made by:
Name: E. USTACH	(Full name of person, firm or corporation) (57	18-234-45XI')
Address: 998 Chille (Street or P.O. II	$\frac{CH}{SOX}$ $\frac{SOX}{SOX}$ $\frac{9.35}{SOX}$ $\frac{OX}{SOX}$	7 2 =
	USTALL + STORO 2000 (CALLON	S 7. P. (1.45
State clearly the purpose for which	th the permit is requested: (PROPANE) FOR TOWN HALC FOR COLSTRUCTION	PORARL LSE
Location: Westboro	STATE HOSPITHL	
Name of competent operator if ap Date Issued (10) Date Rejected		ompetency #: <u>752</u>
Date of Expiration:	Fee Paid ( ) Fee Due ( ) Amo	ount: NA
Applicant Signature:	Fire Department Number: 2	(If Applicable)
<u> </u>	The Commonwealth of Alassachusetts	MASS.
	Executive Office of Public Safety	DEPARTMENT OF
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	epartment of Fire Services-Office of the State Fire Aars	hal
THE STATE OF THE S	P.O. Box 1025, State Road, Stow, MA 01775	
1/2/2	PERMIT # 2000-27	DIG SAFE NUMBER
Date: _//2/67) C. 82 S.40 M.G.L.	FERMIT	START DATE:
		s permit is granted to:
Name: () STEKMAN	GAS SERVICE, INC. (Full name of person, firm or corporation)	<u> </u>
For Permission to: ///STALL	+ STORE UP TO 2000 GALLOWS OF LA GAS	FOR TEMP HOAT.
	the second secon	
State clearly the purpose for which	ch the permit is granted:  WILL BE IN 3 SEPARATE TANKS - S	00 500 + 1000 GAC.
State clearly the purpose for white	ch the permit is granted:  WILL BE IN 3 SEPARATE TANKS — S	DO, 500, + 1000 GAC.
	ch the permit is granted:  WILL BE IN 3 SEPARATE TANKS - S  MGLC. 1484 527 CMLI450 TANKS ARE TO B	TO SOC + 1000 GAC.
Restrictions: CONFORM TO DOWN A SOLID SURFACE	Ch the permit is granted:  WILL BE IN 3 SEPARATE TANKS - S  MILL C. 148+ 527 CMR++50 TANKS ARE TO B  E AND PROTECTED FROM VETHICULAR D  ALL WSH	ELABELLED FLAMMABLE
Restrictions: CONFORM TO ON A SOLID SURFACE	Ch the permit is granted:  WILL BE IN 3 SEPARATE TANKS — S  MELC. 148+ 527 CMR++50 TANKS ARE TO B  E AND PROTECTED FROM VEHICULAR D  This Permit WilhExpire On:	ELABELLED FLAMMABLE



The Commonwealth of Massachusetts

Executive Office of Public Safety

Department of Fire Services-Office of the State Fire Marshal



8 Y Y	P.O. Box 1025, State Road, Stow, MA 01775	
11/2/24	A DDI TCA TRANS EOD DEDATE	DIG SAFE NUMBER
Date: _///	APPLICATION FOR PERMIT	START DATE:
C. 82 S.40/MI.G.L.		
To: Head of Fire Department:	West Bold	
In accordance with the provisions	of Chapter 148, M.G.L. as provided in Section // applica	ution is hereby made by:
Name: E. OSPACH.	(Full name of person, Hinn or corporation) (57	DE-234-45XI)
Address: 998 CAURC	(Full name of person, firm or corporation)  (City Iown)  (State)	BUDGE, 174 01531
	TALL + STORE DOOG GALLON	S S. R. G45
State clearly the purpose for which	n the permit is requested: (PROCANE) - FOR Tem	PORARY LSE
A PAINE A	HALL FOR COISTRICTION	
Location: (USTBORO  Name of competent operator if app		ompetency #: 752
Date Issued ( ) Date Rejected (	}:By: L&RevRaid	
Date of Expiration: Applicant Signature:	Fee Paid { } Fee Due { } Ame	ount: V/H
- Francisco	Fire Department Number: 2	(If Applicable)
		·····
	The Commonwealth of Massachusetts	MASS.
	Executive Office of Public Safety	DEPARTMENT OF
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Deg Deg	hartment of Fire Services-Office of the State Fire Alars	hal
Deg	hartment of Fire Services-Office of the State Fire Alars P.O. Box 1025, State Road, Stow, MA 01775	hal
	P.O. Box 1025, State Road, Slow, MA 01775	DIG SAFE NUMBER
Date: _//2/07)	,	DIG SAFE NUMBER
	P.O. Box 1025, State Road, Slow, MA 01775	
Date:	P.O. Box 1025, State Road, Stow, MA 01775  PERMIT # 2000-27	DIG SAFE NUMBER
Date:	P.O. Box 1025, State Road, Stow, MA 01775  PERMIT # 2000-27	DIG SAFE NUMBER  START DATE:
Date:	P.O. Box 1025, State Road, Stom, MA 01775  PERMIT # 2000-27  of Chapter 148, M.G.L. as provided in Section this  SERVICE, MC  (Full name of person, firm or corporation)	DIG SAFE NUMBER  START DATE:  s permit is granted to:
Date:	P.O. Box 1025, State Road, Slow, MSA 01775  PERMIT # 2000-27  of Chapter 148, M.G.L. as provided in Section 70a this  CAS SERVICE, NC  (Full name of person, firm or corporation)  - STORE UP TO 2000 GALLOWS OF LA GAS  of the permit is granted:	DIG SAFE NUMBER  START DATE:  s permit is granted to:  FOR TEMPS HEAT.
Date:	P.O. Box 1025, State Road, Slow, MSA 01775  PERMIT # 2000-27  of Chapter 148, M.G.L. as provided in Section 700 this  CAS SERVICE, NC  (Full name of person, firm or corporation)  STORE UP TO 2000 GALOUS OF GAS	DIG SAFE NUMBER  START DATE:  s permit is granted to:  FOR TEMPS HEAT.
Date:	P.O. Box 1025, State Road, Slow, MSA 01775  PERMIT # 2000-27  of Chapter 148, M.G.L. as provided in Section \( \sum_{OC} \) this  SERVICE, \( \sum_{(Full name of person, firm or corporation)} \)  - STORE UP TO 2000 (ALLOWS OF UP GAS of the permit is granted:  \( \sum_{UL} \sum_{E} \) \( \sum_{UL} \sum_{E} \sum_{UL} \sum_{E} \) \( \sum_{UL} \sum_{E} \sum_{UL} \sum_{E} \) \( \sum_{UL} \sum_{E} \sum_{UL} \sum_{E} \sum_{UL} \sum_{E} \)	DIG SAFE NUMBER  START DATE:  s permit is granted to:  FOR TEMP HEAT.  DO SOU + 1000 GAL.
Date:	P.O. Box 1025, State Road, Stom, MA 01775  PERMIT # 2000-27  of Chapter 148, M.G.L. as provided in Section \( \sum_{O} = \) this  SERVICE, AC  (Full name of person, firm or corporation)  STORE UP TO 2000 GALLOWS OF UP GAS  of the permit is granted:  WILL BE IN 3 SEPARATE TAMES - S	DIG SAFE NUMBER  START DATE:  s permit is granted to:  FOR TEMP HEAT.
Date:	P.O. Box 1025, State Road, Stow, MSA 01775  PERMIT # 2000-27  of Chapter 148, M.G.L. as provided in Section \( \sum_{OC} \) this  SERVICE, (RC)  (Full name of person, firm or corporation)  STORE UP TO 2000 (ALLONS OF UP GAS  of the permit is granted:  WILL BE IN 3 SEPARATE TANKS - S	DIG SAFE NUMBER  START DATE:  s permit is granted to:  FOR TEMP HEAT.  TO STO + 1000 GAC.
Date:	P.O. Box 1025, State Road, Slow, MOS 01775  PERMIT # 2000-27  of Chapter 148, M.G.L. as provided in Section \( \sum_{OC} \) this  SERVICE, \( \sum_{(Full name of person, firm or corporation)} \)  STORE \( \sum_{FO} \) 2000 \( \sum_{ALONS} \) \( \sum_{FL} \) \( \sum_{AS} \)  1 the permit is granted:  \( \sum_{GLC} \) \( \sum_{FL} \) \( \sum_{SE} \)	DIG SAFE NUMBER  START DATE:  s permit is granted to:  FOR TEMP HEAT.  TO STO + 1000 GAL.

# FIRE PREVENTION NOTE FIRE PREVENTION NOTE FIRE PREVENTION NOTE

November 8, 2000

Subject: Propane tank installation, temporary, for Paine Hall

Location: Westborough State Hospital Grounds South West of Administration building Contact: Ron Osterman

Osterman Gas 18004471207

#### Discussion:

I went up to Paine Hall today to check on some propane tanks at Osterman Gas. This was at their request. There are 3 tanks to be temporarily located as a source of fuel for heaters. One tank is located on the Eastern end of the building. This tank is adjacent to the fence surrounding the property. The Southernmost tank on the Western side is located within 10' of the building. This tank is on a concrete surface. The northern tank on the Western side is located on pavement which appears to be within 10' of the building. We have the following

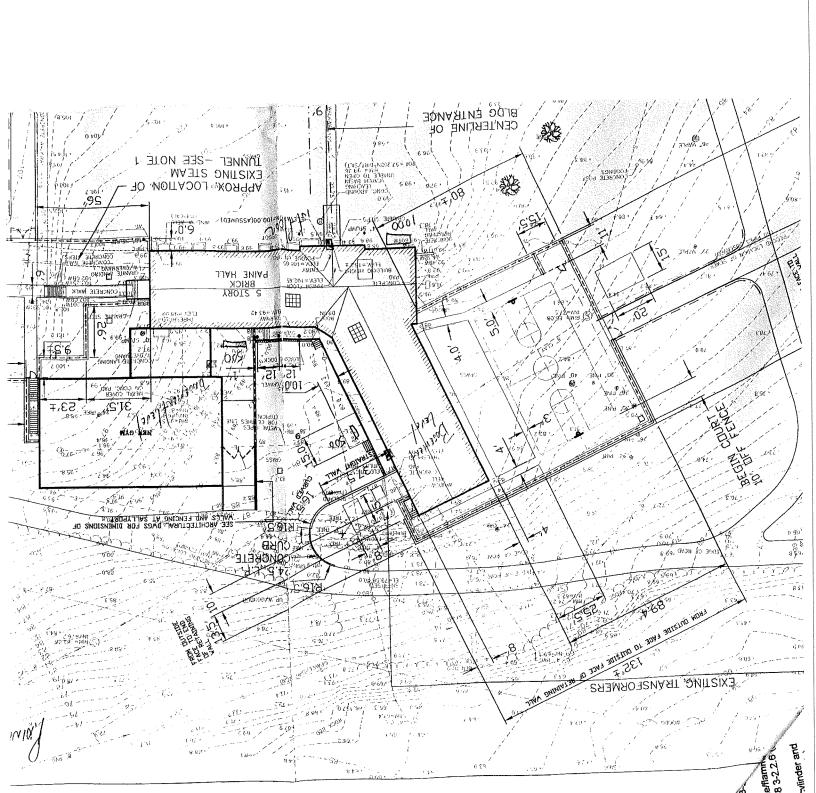
- 527 CMR 6, LP Gas shall be adhered to.
- The highlights are as follows;
- USDOT lables
- Letter of Assurance from the installer per 527 CMR 6.08D certifying in writing that the installation has been completed and in conformity with the requirements of 527 CMR 6.00
- All tanks need to be protected from injury by vehicle traffic
- Permit has not been located at the station
- There is a question as to whether there is 10' clearance from the building from the tanks.
- (Mr. Osterman is indicated that this does not apply per NFPA 58?)
- All tanks must be on a hard surface. The 1000 gallon tank must be supported underneath by concrete or blocks. Mr. Osterman said they would have some substantial rock type material installed below the skids.

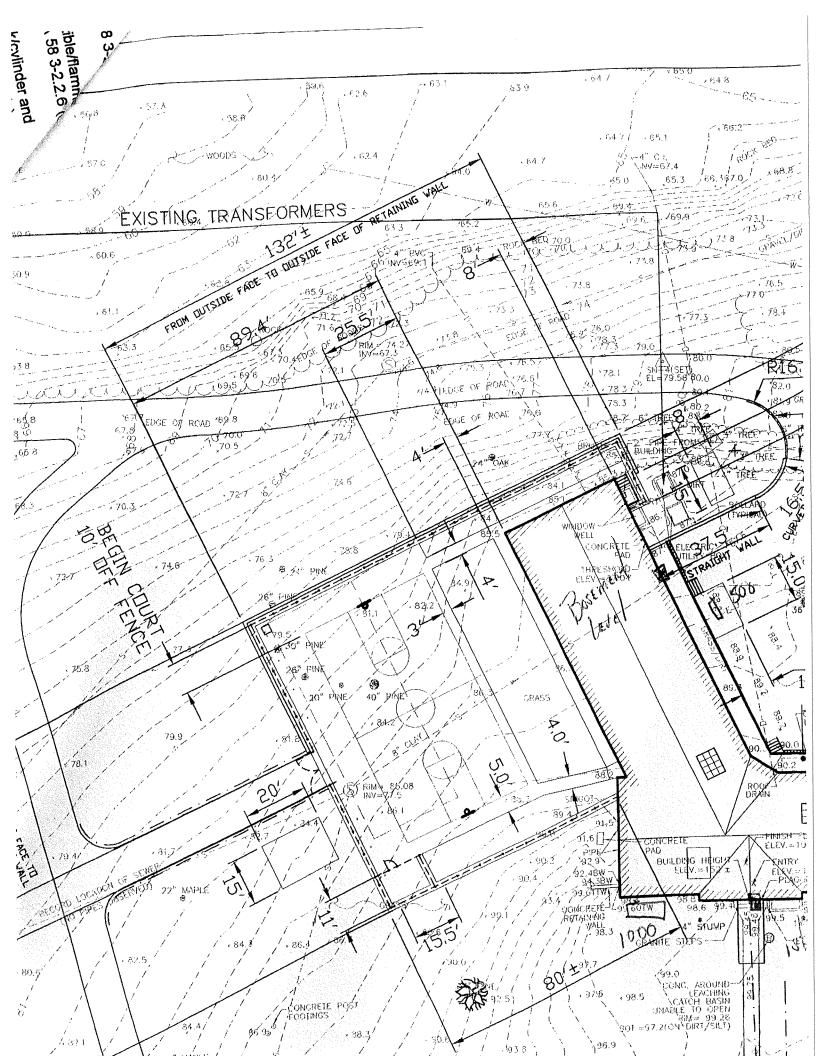
References:

527 CMR 6.00 NFPA 58 98Edition)

I spoke with Ron Osterman in regards to this installation and the above items. He said they were just at the point of checking location at this point.

6 Manths limit temporary.
Mr. Osterman said he would notify Mr. McGorty, the site General Contractor.







COMMONWEALTH OF MASSACHUSETTS

EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Regional Office

627 Main Street, Worcester, Ma. 01608

TRUDY COXE
Secretary

DAVID B. STRUHS Commissioner

Westboro State Hospital Lyman Street P.O. Box 288 Westboro, MA 01581

Re: FINAL RESTRICTED EMISSION STATUS APPROVAL Transmittal No. 126677

Attn: William Curren

Dear Mr. Curren:

The Department has determined that the referenced Restricted Emission Status Application ("RES") is administratively and technically complete. The Department approves the RES legally limiting the amount of federal potential emissions from your facility through a restriction on the raw materials used and/or another restriction as noted herein.

This RES APPROVAL is being issued in accordance with 310 CMR 7.02(12) of the Air Pollution Control Regulations ("Regulations"), 310 CMR 7.00 as adopted pursuant to M.G.L. c.111, Section 142B and 142D.

Included as part of this RES APPROVAL are the following:

- 1) Stamped approved BWPAQ-09 RES Application Form;
- Special Conditions for RES;
- 3) General Conditions for RES; and
- 4) Appeal Rights

Notice of the proposal to approve the RES was published in the Worcester Telegram & Gazette newspaper on Friday June 26, 1998 in accordance with the requirements of 310 CMR 7.02(12). The Department received notice of the publication on October 16, 1998. No comments were received.

#### Page 1 of 6

This information is available in alternate format by calling our ADA Coordinator at (617) 574-6872.

http://www.State.MA.US

• Phone (508) 792-7650 • Fax (508) 792-7621 • TDD (508) 767-2788

Westboro State Hospital FINAL RES APPROVAL Transmittal No. 126677

Page 2 of 6

Please review the entire RES APPROVAL carefully as it stipulates the particular conditions the facility owner/operator must comply with for the facility to be operated in compliance with the Regulations.

The Department has determined that the filing of an Environmental Notification Form ("ENF") with the Secretary of Environmental Affairs, for air quality purposes, was not required prior to this action by the Department. Notwithstanding this determination, the Massachusetts Environmental Policy Act and Regulation 310 CMR 11.00, Section 11.03, provide certain "Fail-Safe Provisions" which allow the Secretary to require the filing of an ENF and/or Environmental Impact Report at a later time.

Should you have any questions concerning this APPROVAL, please contact Lori E. Linn at (508) 792-7692 ext. 3762.

Very truly yours,

Date: 11/2/98

John Kronopolus

Regional Permit Chief,

John of Kingooli

Bureau of Waste Prevention

cc: Westboro Fire Department
Westboro Board of Health
Central MA Regional Planning Comm., Mr. William H. Newton
EPA, Air Quality Compliance Division, Lynne Hamjian
Dana Samuelson, CERO
Walter Sullivan, BWP, DAQC

Westboro State Hospital FINAL RES APPROVAL Transmittal No. 126677

Page 3 of 6

- I. SPECIAL CONDITIONS FOR RESTRICTED EMISSION STATUS APPROVAL
- A. <u>FACILITY DESCRIPTION</u>- The emissions units to be restricted under this RES approval include the fuel utilization equipment delineated in Table I.

Table I

Boiler Mfg	Model #	Maximum Firing Rate	Fuel Utilized
Edgemoor	4019	200 gallons per hour	#6 oil, 1.0 % S
Bigelow	9112	200 gallons per hour	#6 oil, 1.0 % S
Katolight	200 KW	14.4 gallon per hour	Diesel fuel 0.3% S

B. SHORT TERM EMISSION LIMITS - The operation of each combustion unit shall comply with the limits listed in Table II.

Table II

Fuel Utilized	SO <sub>2</sub> 1 Emission Rate	NO <sub>x</sub> <sup>2</sup> Emission Rate
#6 oil, 1.0 % S	0.55 #S/mmBtu <sup>3</sup>	55 #/1000 gal <sup>4</sup>
Diesel Fuel Oil	0.17 #S/mmBtu	2.23 #/1000 gal 4,5

- 1. The  $SO_2$  emission rates are based on standard emission factors as listed in Regulation 310 CMR 7.05.
- 2. The  $NO_x$  emission rates are based on standard emission factors as listed in the EPA document, AP-42.
- 3. #S/mmBtu pounds of Sulfur emission per million Btu
- 4. #/1000 gal pounds of emission per thousand gallons of oil burned.
- 5. NO, emission factor is based on manufacturer specifications.
- C. LONG TERM EMISSION LIMITS The facility is restricted to the maximum emissions as detailed in Table III. The long term limit includes the maximum emissions during a 12 month rolling calendar period.

Table III

Pollutant	Each Unit	Total
NO <sub>x</sub>	24.5 tons	49 tons
SO <sub>2</sub>	36 tons	72 tons

Westboro State Hospital Final RES Approval TR # 126677

Page 4 of 6

#### D. RECORDKEEPING & MONITORING REQUIREMENTS -

Westboro State Hospital shall maintain records which shall include, at a minimum, the following information:

- a) Compliance records sufficient to demonstrate that emissions have not exceeded what is allowed by this RES Approval. Such records may include daily production records, raw material usage rates, fuel purchase receipts, emissions test results, monitoring equipment data and reports.
- b) Monthly rolling total of each fuel quantity utilized and the resulting emissions using the emission factors as listed in Table II. This data shall be compiled on a monthly basis to demonstrate that the long term limits set forth in Table III are not exceeded.
- c) Maintenance: A record of routine maintenance activities performed on emission unit control equipment and monitoring equipment including, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed.
- d) Malfunctions: A record of all malfunctions on emission unit control and monitoring equipment including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the emission unit returned to compliance.

All records shall be maintained on-site for five (5) years from the date of record and be made available to the Department upon request.

### II. GENERAL CONDITIONS FOR RESTRICTED EMISSION STATUS APPROVAL

- A. OPERATION No person shall operate this facility except in conformance with the requirements established in this Restricted Emission Status Approval.
- B. <u>SUSPENSION</u> This approval may be suspended, modified, or revoked by the Department if, at any time, the Department determines that the facility is violating any condition or part of the approval.
- C. OTHER REGULATIONS This approval does not negate the responsibility of the owner/operator to comply with this or any other applicable federal, state, or local regulations now or in the future. Nor does this approval imply compliance with any other applicable federal, state or local regulation now or in the future.
- D. EXISTING APPROVALS All plan approvals issued under 310 CMR 7.02(2) prior to the effective date of this RES Approval are still in effect. The facility shall continue to meet the emission rates and approved conditions specified in the applicable plan approval(s) unless specifically altered by this RES Approval.

Westboro State Hospital Final RES Approval TR # 126677

#### Page 5 of 6

- E. <u>VISIBLE EMISSIONS</u> The facility shall be operated in a manner to prevent the occurrence of visible emissions which cause or contribute to a condition of air pollution as defined in Regulation 310 CMR 7.01 and 7.06.
- F. <u>DUST AND ODOR</u> The facility shall be operated in a manner to prevent the occurrence of dust or odor conditions which cause or contribute to a condition of air pollution as defined in Regulation 310 CMR 7.01 and 7.09.
- G. NOISE Noise from the facility during routine operation, including startups and shutdowns, shall not exceed the Department noise guidelines and shall not cause a condition of air pollution as defined in Regulation 310 CMR 7.01 and 7.10.
- H. <u>ASBESTOS</u> Should asbestos remediation/removal be required as a result of this RES Approval, such asbestos remediation/removal shall be done in accordance with Regulation 310 CMR 7.15.
- I. MONITORING Equipment or emission monitoring systems installed for the purpose of documenting compliance with this approval shall be installed, calibrated, maintained and operated by the approval in sufficient manner to ensure continuous and accurate operations at all times.
- J. TESTING Any emission testing to be compared to limitations in this approval must be conducted in accordance with the Environmental Protection Agency test methods as specified in the Code of Federal Regulations, Title 40, Part 60, Appendix A Standards of Performance for New Stationary Sources or by another method correlated to the above method to the satisfaction of the Department and in accordance with the requirements noted in 310 CMR 7.13.

In accordance with 310 CMR 7.04(4)(a), each fuel utilization facility shall be inspected and maintained in accordance with the manufacturer's recommendations and tested for efficient operation at least once in each calendar year. The results of said inspection, maintenance and testing and the date upon which it was performed shall be recorded and posted conspicuously on or near the permitted equipment.

- d) All records shall be kept on site for five (5) years and shall be made available to the Department upon request.
- K. <u>REPORTING</u> In accordance with 310 CMR 7.12(7), the facility shall register on a form obtained from the Department such information as the Department may specify including:
  - a) The nature and amounts of emissions from the facility.
  - b) Information which may be needed to determine the nature and amounts of emissions from the facility.
  - Any other information pertaining to the facility which the Department requires.
  - d) Information required by 310 CMR 7.12(1)(a) shall be submitted annually.

Westboro State Hospital Final RES Approval TR # 126677

Page 6 of 6

- The Regional Bureau of Waste Prevention, Compliance and Enforcement office, must be notified by telephone or fax as soon as possible after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and/or a condition of air pollution.
- L. <u>MODIFICATIONS</u> Any proposed increase in emissions above the limits contained in this RES Approval must first be approved in writing by the Department pursuant to 310 CMR 7.02. In addition, any increase may subject the facility to additional regulatory requirements.
- M. REMOVAL OF AIR POLLUTION CONTROL EQUIPMENT No person shall cause, suffer, allow, or permit the removal, alteration or shall otherwise render inoperative any air pollution control equipment or equipment used to monitor emissions which has been installed as a requirement of 310 CMR 7.00, other than for reasonable maintenance periods or unexpected and unavoidable failure of the equipment, provided that the Department has been notified of such failure, or in accordance with specific written approval of the Department.

#### APPEAL OF DECISION

This decision is an action of the Department. If you are aggrieved by this action, you may request an adjudicatory hearing. A request for a hearing must be made in writing and postmarked within twenty-one (21) days of the date of issuance of this decision.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the decision is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

Commonwealth of Massachusetts

Department of Environmental Protection
P. O. Box 4062

Boston, MA 02211

The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver as described below.

The filing fee is not required if the appellant is a city of town (or municipal agency) county, or district of the Commonwealth of Massachusetts, or a municipal housing authority.

The Department may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.



# The Commonwealth of Massachusetts

### Department of Mental Health

Metro West Area Westborough State Hospital P.O. Box 288, Lyman Street Westborough, Massachusetts 01581

(508) 792-7400 (508) 366-4401 Fax (508) 792-7419

9/15/95

TO: Westboro Fire Dept.

FROM: Jeffrey Powers Safety Officer

Westboro State Hospital RE: P.C.B. Contained Equipment

The following is a list of equipment that contains P.C.B. Materials.

50-499 P.P.M.

PAINE HALL

3 Transformers in the high voltage vault.

LAUNDRY

1 transformer in the high voltage room.

TRANSPORTATION

1 transformer outside wall mount.

ADMINISTRATION BUILDING

1 transformer in the basement

(this transformer is out of service and we are looking to remove if)

TOXIC SPECIAL HANDLE

LAUNDRY

2 transformers in high voltage room.

HADLEY

1 transformer in high voltage vault.

The rest of the transformers are less than 50 P.P.M.

Please keep this list on file for your future reference.

THANK YOU,

JEFFREY POWERS

cc; Felix Vazquez Steve Scheibel

Make application to local Fire Department. Fire Department retains original application and issues duplicate as Permit.

# Commonwealth of Massachusetts

Department of Fine Services - Board of Fine Prevention #1297/

# **APPLICATION** and **PERMIT**

Fee: <u>Zo</u>

proved tank disposal yard in accordance with the provisions

torage tank removal and transportation to approved .G.L. Chapter 148, Section 38A, 527 CMR 9.00, app	. 224
IK Owner COMMONIVERITH OF M	sves.
DEPARTMENT OF	XSignature (if apilying for permit)
nk Owner Name (please print)	RAVICTORI MA 01583
180 BEAMAN STREET IVE	State Zip
nk Owner Name (please print)	A concernant
	Contamination Assessment
moval Contractor	
ompany Name CONSIGU CONST. CO. /NC.	Co. or Individual
ompany Name CONSIGLI CONST. CO. Print	71111
ddress 7.2 Sumber St. Mutono, MA	Address
ddress 7.2 30MAGE.	
•	Signature (if applying for permit)
ignature (if applying for permit)	
Matte. S. Cup!	Other
FCI Certified Other	IFCI Certified LSP # Other
TIFCI Certified Other	
ank Information:	
ank information.	WESTBORD, MA
LYMAN STREET	VESTBORO NAM  City  Substance Last Stored PROPANE
ank Location Steet Address	City Substance Last Stored
ank Canacity (gallons)500GAL	
11/2/0/0/12	
TANK IS LOCATED THE	ST MANUTAL ST
The second of the	HE SHARPE BLDG ON ETHER
Remarks: TANK IS COUNTED	
Wisconson Start Hospital DY	S FACILITY
NEMBORO ZIME	
isposal Information:	
Isposal Information	State Lic. #
Firm transporting waste	Otate Liv. II
IIII (Idilopo m. 5	
	CDA#
dozardous waste manifest#	E.P.A. #
Hazardous waste manifest#	E.P.A. #
Hazardous waste manifest#	Tank yard #
Hazardous waste manifest#	Tank yard #
Hazardous waste manifest#	Tank yard #
Hazardous waste manifest#	Tank yard #
Hazardous waste manifest#	Tank yard #OOT 207 MARSTON ST. LAWRENCE, MA 018
Approved tank disposal yardTonesare S  Type of inert gasTank yard address	Tank yard #
Approvals	Tank yard #
Approved tank disposal yard Tomearcus  Type of inert gas Tank yard address 2	Tank yard #OT
Approvals  City or Town  City or Town  City or Town  City of Issue   Tank yard #	
Approved tank disposal yard Tomeracio S  Type of inert gas Tank yard address S  Approvals  City or Town USTBOROUGH  Date of issue 6/16/97	Tank yard #
Approvals	Tank yard #

After removal(s) send Form FP-290R signed by Local Fire Dept. to UST Regulatory Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618.

Make application to local Fire Department.

Fire Department retains original application and issues duplicate as Permit.



# Commonwealth of Massachusetts

Department of Fine Services - Board of Fine Prevention #1297/

### **APPLICATION** and **PERMIT**

Fee: Zo -

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Tank Owner Name (please print)  CONMONIVEALTH OF A  DEPARTMENT OF YOUT	MACC
Address 180 BEAMAN STREET  Ve	Signature (if apilying for permit)  CST BOYLSTON, YAA 01583  City State Zip
Company Name Consign Const. Co. INC.  Address 7.2 Summer St. Milford, MA  Print  Signature (if applying for permit)  If CI Certified Other  Tank Information:  Tank Location LYMAN STREET  Steet Address  Tank Capacity (gallons) 500 GAL  Tank Dimensions (diameter x length) UNKNOWN	
Remarks: TANK IS LOCATED @ THE [VESTBORD STATE HOSPITAL; DYS	
Disposal Information:	
Firm transporting waste	_State Lic. #
Hazardous waste manifest#	_E.P.A. #
Approved tank disposal yard Tombareuro's	_Tank yard #
Type of inert gas Tank yard address	7 MARSTON ST. LAWRENCE, MA 01841
Approvals  City or Town $\frac{U \in STBCROUGH}{U \in STBCROUGH}$ Date of issue $\frac{6}{16} \frac{97}{97}$ Dig safe approval number: $\frac{\# 972105450}{4111}$	Permit# 99-04  Date of expiration 6/27/9> 7-3-9> (5)  Dig Safe Toll Free Tel. Number - 800-322-4844
Signature / Title of Officer granting permit	Range

A to this approved in the control of 
6-30-97

Consigle Const. uncovered the 50 = gal cylinde. They said they opened the value and very little, if any gra, escaped. For Sawyen stated that, when the unit was taken out of service, a flame producing device was attacked by Osternam Gas and all residual gas was burned off and the value was closed. The piping was cut and taken out of service,

in service today.

removed. I will sit overright and will have dry in placed wish and be capped prior to transport to tomberello's.

Otherman said the Co2 was unnecessary but that we my decision anyway. We choose to are on the safe side.

There was to evidence of the cylinder having leaded. The soil at the base had no order and the cylinder was sitting an a pad or base, It fad been stropped down.

Capt Carl Walke

K YARD NO. Ledger 502 CMR 3.03(4) Number: under penalty of law I have personally examined the underground steel storage tank ed to this "approved tank yard" by firm, corporation or partnership Consider Const Co. and accepted same in conformance with Massachusetts Fire Prevention Alation 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank dismantling yards. Valid permit was issued by LOCAL Head of Fire Department FDID# 27 328 to transport Name and official title of approved tank yard owner or owners authorized representative: 7-03-97 ( pw Ganus Maiunto DATE SIGNED TITLE This signed receipt of disposal must be returned to the local head of the fire department FDIDH  $\angle$  7 3  $\angle$  8 pursuant to 502 CMR 3:00. (EACH TANK MUST HAVE A RECEIPT OF DISPOSAL) SIGNATURE

(OVER) F.P. 291 (rev. 11/95)

MASSACHUSETTS STATE FIRE MARSHAL'S OFFICE

FORM

# Appendix I Qualifications of Environmental Professionals

### Elizabeth Sherwood Krol, P.G.

#### **Professional Qualifications**

Elizabeth Sherwood Krol has more than sixteen years of experience as a Professional Geologist (P.G.) specializing in the environmental and physical due diligence of commercial real estate, including commercial, industrial, retail and multi-family properties. Ms. Krol is the Northeast Due Diligence Program Manager for Shaw Environmental, Inc. (Shaw) and coordinates Shaw's National Practice Program (NPP) for Due Diligence, as well as the Financial Services and Retail Market Sector Programs. Ms. Krol provides high quality, expedited turnaround, comprehensive due diligence services for real estate and financial transactions, including ASTM Phase I Environmental Site Assessments (ESAs), Property Condition Assessments (PCAs), LEED EB Gap Analyses, Energy Audits, Seismic Evaluations, Regulatory Agency File Reviews, Compliance Audits, Hazardous Material Assessments (Asbestos, Lead-Based Paint, Mold and PCBs), wetlands assessments and Phase II Subsurface Investigations, including vapor intrusion assessments. Her project experience includes regulatory support, geophysical analyses and, as an environmental consultant, proposing and managing compliance audits and subsurface soil and groundwater investigations. She has conducted Phase I and II ESAs and compliance audits for public and private clients, including retail properties, manufacturing facilities, and service stations, and has managed the due diligence, including Phase I ESAs and PCAs, of several multiple-property portfolios for large financial institutions and real estate companies. Ms. Krol has also managed building assessments for suspected asbestos-containing materials (ACMs) and microbial incursion in industrial, commercial, hospital, and school facilities. Ms. Krol has prepared and submitted permit applications to federal, state, and municipal regulatory agencies for various manufacturing facilities throughout the northeastern United States, including complex air permits for singular- and multiple-stack emission sources.

The CREW Network recently recognized Elizabeth with the 20 Under 40 award as a "woman to watch" for extraordinary professional accomplishments and commitment to advancing the stature of women in commercial real estate. She was the recipient of Suffolk University Great Leaders Alumni Service award in 2010. Ms. Krol was elected by Shaw Environmental and Infrastructure's Executive Vice President to represent the NE Region during the FY2007 business planning process for Shaw's Commercial, State and Local business line, including a presentation to senior management at corporate headquarters in May 2006. In December 2006, Ms. Krol was selected by the NE regional lead to participate in Shaw's first Client Program Manager training session and selected to participate in FY08 strategic planning by company President in 2007. Ms. Krol was nominated by the Northeast District and selected by a national panel as a Top Performer for Shaw in 2006. In September 2007, Ms. Krol was selected as a founding member and national Advisory Panelist of commonground, the global community for property due diligence professionals. It is a collaborative forum for environmental professionals, engineers, mortgage lenders, attorneys, insurers, appraisers, inspectors, information providers and industry thought-leaders come together to improve the quality of real estate due diligence. Beginning in 2008, Ms. Krol became a content developer, trainer and peer review committee member of commonground University and its Environmental Due Diligence 101 online course

launched in May 2009 and Property Condition Assessment course in 2010. Ms. Krol was asked to chair the *commonground* Advisory Panel's Bylaws Committee in 2010. In 2009, Ms. Krol became a founding member of the ASTM Building Energy Performance Assessment (BEPA) Task Group focused on developing a green building due diligence standard, as well as the Environmental Bankers Association's Global Issues Committee's newly formed sub-team regarding Carbon Risk in Loan Portfolios. Ms. Krol was selected to participate in Suffolk University's Women in Leadership Focus Group entitled *The Search for Women Leaders: Would an Executive MBA Make the Difference?*, in June 2009. In November 2009, Ms. Krol was asked to lead Shaw's Technical Exchange Program monthly conference calls for the National Practice Program for Due Diligence. In March 2010, Elizabeth was one of 32 selected from 500 candidates for Shaw's inaugural Project, Program and Client Program Manager Business Training event. Elizabeth was awarded the Great Leaders recognition by Suffolk University in 2010. In September 2010, Elizabeth was one of only 12 Environmental Professionals nationwide invited to EDR's Inner Circle meeting focused on Vapor Encroachment.

In 2003, Ms. Krol became the Northeast Due Diligence Program Manager and a Client Program Manager for Shaw. Ms. Krol established a Due Diligence team in the NE to provide the following services, both regionally and on an national basis: Phase I Environmental Site Assessments (ESAs) fully compliant with the American Society for Testing Materials (ASTM) Standard, including the EPA rulemaking regarding All Appropriate Inquiry and associated updated ASTM 1527-05 standard in November 2005; ASTM 2018 Property Condition Assessments (PCAs); hazardous material inspections (e.g., asbestos and lead); Indoor Air Quality/mold assessments; compliance auditing; wetlands assessments, Threatened and Endangered Species Evaluations; Massachusetts Licensed Site Professional (LSP) services including Phase II subsurface investigations and remediation; hydrogeology, water supply investigations and Geographic Information Systems (GIS) services; site development/redevelopment, civil engineering and master planning (particularly for brownfields properties); tank management including Spill Prevention and Countermeasure Plans (SPCC); and permitting and litigation support. Ms. Krol has conducted and managed Phase I ESAs, both single properties and multi-site portfolios, utilizing an automated due diligence system, including field collection of current and historical data utilizing hand-held computers, and web-based electronic deliverable report generation. Ms. Krol regularly conducts internal Phase I ESA training for site assessors in the United States, including serving as a Subject Matter Expert for the recent development of Shaw's online ASTM 1527-05 ESA training program for Environmental Professionals in 2006. In 2004, Ms. Krol established Shaw's PCA program for commercial real estate to enhance our Due Diligence service offerings to our clients. Ms. Krol has mentored assessors and Project Managers in the due diligence practice since early 2004, as part of Shaw's Mentor-Protégé Program. Throughout 2005 and 2006, Ms. Krol improved reporting templates and field checklists, and ensured training for a larger resource pool nationwide to perform PCA assessments. LEED EB Assessment and Gap Analysis services were incorporated into the comprehensive due diligence package offered by her team in 2007.

Between 2002 and 2003, Ms. Krol contributed to the development and marketing of the iTAG-PARCEL MISMO-compliant platform for online property transaction reporting. In 1996, Ms. Krol established Clayton Environmental Consultants' Boston Office, covering six New England

states and parts of New York. Between 1996 and 2002, Ms. Krol oversaw the growth of Clayton's environmental practice throughout the northeast, including two acquisitions. She was also a key member of Clayton's Real Estate and Financial Services (REFS) Group, which addressed the needs of regional and national clients and developed an internal training program to improve quality and consistency among offices nationwide. Clayton established the Phase I Task Force in March 1996 to develop the REFS Group's ASTM Standard Phase I ESA protocols, operating procedures and client-specific protocols for national accounts. Ms. Krol cotaught Clayton's bi-annual two-and-a-half-day seminar on Phase I ESAs and made presentations on Brownfields redevelopment and regulatory compliance to several professional organizations.

Ms. Krol is an active participant on the ASTM Continuing Obligations Task Force developing the draft ASTM Working Item WK9354: Standard Guide for Identifying and Complying With Continuing Obligations on Real Property Impacted by Chemicals of Concern, Reasonable Steps Sub-Committee, and joined the ASTM E50 Environmental Assessment, Risk Management and Corrective Action Committee, as well as the MISMO Commercial Property Inspection Workgroup in 2008. In 2009, Ms. Krol joined the ASTM Committee E60 on Sustainability and the Building Subcommittee. Ms. Krol is active in Shaw's mentoring program, and together with her geographically-remote protégé based in Seattle, was interviewed for an article in an upcoming edition of Shaw's *Science & Technology* newsletter. Ms. Krol coordinates and hosts internal QA/QC training, including technical training regarding Asbestos/Mold/PCB/LBP and ASTM 2018 training for PCA assessors nationwide. Ms. Krol was selected for an Employee Spotlight in Shaw's Annual Report for FY07.

Ms. Krol has completed the International Standards Organization (ISO) 14000 Environmental Management System Lead Auditor course certified by the American National Standards Institute Registrar Accreditation Board (ANSI-RAB) and consults regarding ISO 14001 implementation and registration. She is familiar with regulations of the Resource Conservation and Recovery Act (RCRA), the Clean Water Act (CWA), the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), Toxic Substance Control Act (TSCA), the Clean Air Act (CAA), the Asbestos Hazard and Environmental Response Act (AHERA), and the United States Environmental Protection Agency (EPA), as well as comparable state and local environmental statutes and ordinances.

Ms. Krol is a Professional Geologist and earned an M.B.A. from Suffolk University, Master's degree in Geological Sciences from Lehigh University, and a Bachelor's degree in Geology from Colgate University. Ms. Krol was elected to the Steering Committee of New England Women in Real Estate (NEWiRE) and chairs the Development Committee. Ms. Krol is also Chair of the New England Chapter of the Auditing Roundtable, and actively involved in the Environmental Bankers Association and on the board of Suffolk University's Executive Program Alumni Council. Ms. Krol was recently elected President of the Executive Committee for *commonground*, the online community for environmental due diligence, commercial real estate, financial services and legal professionals worldwide.

#### **Education**

M.B.A., Management, Suffolk University, Boston, Massachusetts, 2001 M.S., Geological Sciences, Lehigh University, Bethlehem, Pennsylvania, 1994 B.A., Geology, Colgate University, Hamilton, New York, 1992

#### **Awards**

Suffolk University Executive MBA Great Leaders Alumni Service Award, 2010

**CREW Network's 20 Under 40** Award for extraordinary professional accomplishments within the commercial real estate industry, 2009

http://www.cpexecutive.com/cpn/CREW-Awards-20-Women-Under-40-1578.shtml

Shaw Environmental & Infrastructure's **Top Performer Award**, 2006

New England Women in Real Estate (NEWiRE) Achievement Award – Networking for Pro-Bono Development Project, 2006

#### **Registrations/Certifications**

Asbestos Consultant Service, State of Rhode Island, Certification No. AAC-546IS, 1997
Asbestos Handling Certificate, State of New York, Certificate No. AH 96-18156, 1996
Asbestos Inspector, State of Massachusetts, Certificate No. A152004, 1997
Certified ISO 14000 Lead Auditor Course, ANSI-RAB EMS 667, Certificate No. E97-438, 1997
OSHA 8-Hour Refresher Training, Annual
OSHA 8-Hour Supervisor Training, 1996
OSHA 40-Hour Hazardous Waste Operation and Emergency Response Training, 1994
Professional Geologist, Registration No. TN4623, 2000
USEPA AHERA Inspector, State of New Jersey, Registration No. RWJ 1627A, 1994
USEPA AHERA 4-Hour Refresher Training, Annual

#### **Experience and Background**

#### 2003 - Present

Client Program Manager, Northeast Due Diligence Manager, Shaw Environmental & Infrastructure, Inc., Stoughton (2009 to present) and Hopkinton (2003-2009), Massachusetts

The Shaw Group Inc. (NYSE:SHAW) is a leading global provider of engineering, construction, technology, fabrication, remediation and support services for clients in the energy, chemicals, environmental, infrastructure and emergency response industries. A Fortune 500 company with fiscal year 2010 annual revenues of \$7 billion, The Shaw Group employs approximately 27,000 people around the world and is the power sector industry leader according to Engineering News-Record's list of Top 500 Design Firms.

Shaw Environmental & Infrastructure. Inc. (Shaw), a wholly-owned subsidiary of The Shaw Group, was established in 2002 incorporating the experience and resources of Stone & Webster, Inc., The IT Group, and Envirogen. Shaw's resources include a staff of approximately 6,000, an equipment inventory valued at over \$120 million, and more than 70 offices throughout the United States. Shaw provides wide-ranging environmental and infrastructure services with technical staff readily available to respond to clients' local, regional, and national needs.

2002 - 2003

Area Manager, Senior Project Manager, Jacques Whitford Company, Inc., Woburn, MA

1999 - 2002

Manager, Environmental Services, Administrative Head of Office, Clayton Group Services, Inc., Lincoln, MA (acquired Cygnus Environmental 2002)

*1998 - 2001* 

Manager, Management Consulting, Clayton Management Consultants, Lincoln, MA

1997 - 1999

Supervisor, Environmental Risk Management & Remediation Services, Administrative Head of Office, Clayton Environmental Consultants, a Division of Clayton Group Services, Inc., Lincoln, MA

1996 - 1997

Project Geologist, Environmental Management & Remediation Services, Administrative Head of Office, Clayton Group Services, Inc., Lincoln, MA (acquired Hunter, Inc. Environmental Services April 1997)

1994 - 1996

Geologist, Environmental Services, Clayton Group Services, Inc., Edison, NJ

1993 - 1994

Research Assistant, Geophysics Laboratory, Lehigh University, Bethlehem, PA

1993 - 1994

Teaching Assistant, Lehigh University, Bethlehem, PA

1990 - 1991

Teaching Assistant, Colgate University, Hamilton, NY

1990 - 1992

Research Assistant, Colgate University, Hamilton, NY

#### **Project Summaries**

#### **Comprehensive, Expedited Due Diligence Services (2005 to present)**

From June 2005 to present, Shaw executed comprehensive, expedited Environmental Due Diligence (EDD) services for 136 projects for a confidential Boston-based real estate investment firm, including several multi-site portfolios, thereby assessing nearly 200 properties and approximately 766 buildings, for total of approximately 61 million leasable square feet and ~\$3.1B in acquisitions. Target property types include office, flex/industrial, retail and multifamily properties nationwide. Customized transaction support services include ASTM 1527-05 Phase I Environmental Site Assessments (ESAs) and ASTM 2018 Property Condition Assessments (PCAs), state agency file reviews, Phase II subsurface investigations, hazardous materials surveys (e.g., mold, asbestos, lead paint, lead in drinking water), seismic (Probable Maximum Loss) evaluations, roof inspections and structural evaluations of parking garages to support their acquisition program. Our team's ability to execute quality, comprehensive transactional services on an expedited schedule allows for faster closings. We utilize a clientspecific portal to manage portfolios and distribute final reports, as well as a team portal for field checklists and report templates. Our team is recognized for technical acumen, attention to detail, and thorough reports. Emerging and expanded service offerings include support of the transition from acquisition to asset management, including planning assistance for capital needs activities such as HVAC replacement, via a GIS-based building systems data for the property management team. In a highly competitive marketplace of fast-moving transactions, our client appreciates our responsiveness and business-oriented risk management approach. The client is a privately held real estate investment company that acquires and manages commercial real estate properties on behalf of many of the worlds' leading institutional investors, and manages a portfolio of nearly 150 individual investments valued at almost \$4 billion.

#### **Due Diligence of Conectiv Energy Mid-Atlantic Power Generation Asset portfolio (2010)**

Contributed to a fast track environmental due diligence review of more than 20 power generation assets in the Mid-Atlantic region. Detailed areas of environmental concern and provided approximate costs to resolve outstanding environmental issues prior to acquisition. Also managed and facilitated the environmental database, historic sources and lien search reviews, as well as conducted documentation reviews in the dedicated online data room.

#### **Power Plant Due Diligence in Massachusetts (2010)**

Conducted a Phase I ASTM Environmental Site Assessment and regulatory compliance review for a power plant in northern Massachusetts prior to acquisition. As part of the review, Shaw identified potential soil and groundwater issues and worked with client to provide satisfactory regulatory resolution.

## Various Property Condition Assessments, Confidential, Massachusetts and Connecticut (2010 to present)

Provided project management for assessors who conducted Property Condition Assessments (PCAs) in support of real estate transactions for confidential commercial clients. Scope involves walk through and assessment of commercial properties for the purpose of identifying any issues with condition of the property, building or building systems, and to identify cost items over the project term. Shaw responded quickly with field visits and followup reports to facilitate closing the transactions quickly.

#### Pre-Acquisition Due Diligence for British Defense Firm BAE Systems (2009)

Shaw provided pre-acquisition due diligence services, including Phase I Environmental Site Assessments and compliance audits, for six marine terminal facilities, four of which were subsequently acquired by BAE Systems from U.S. ship maintenance firm Atlantic Marine Holding Company. The work was performed confidentially via BAE's counsel, Wilmer Hale, and the transaction was valued at \$352 million. Europe's largest military contractor said the acquisition of Atlantic Marine, which employs about 1,000 people at ports such as the U.S. naval base of Mayport in Florida, complemented its existing ship repair and upgrade operations and included Atlantic Marine's operations in Florida, Mississippi and Alabama. Its Boston and Philadelphia businesses (also evaluated by Shaw) will be retained by the vendor, which is a unit of private equity firm J.F. Lehman & Company.

### http://www.reuters.com/article/idUSLDE64H1XX20100518

## Leadership in Energy and Environmental Design for Existing Buildings (LEED EB): Various Commercial Properties for a REIT (2008-2009)

Shaw managed and performed LEED EB preliminary assessments of 27 buildings nationwide for confidential client on an expedited schedule. Assessments include pre-screening checklist and gap analysis of office buildings in the South, Mid-Atlantic, and Midwest regions. The LEED for Existing Buildings Rating System helps measure operations, improvements and maintenance, with the goal of maximizing operational efficiency while minimizing environmental impacts. LEED for Existing Buildings addresses whole-building and exterior elements in five categories: site, water, energy, materials, and indoor quality. The goal of the pre-screening and gap analysis was to identify potential for the subject properties to meet various levels of LEED ratings.

#### Fixed Price Mold Remediation and Tenant Build-Out (2006-2007)

Under Ms. Krol's direction, Shaw provided initial assessment, abatement oversight, air monitoring and post-remediation air clearnance sampling to conduct mold remediation and site restoration activities at the Subject Property under a fixed-priced scope of work. The need for mold abatement was identified during the initial Phase I ESA and Property Condition Assessment.

The Subject Property includes four structures totaling approximately 71,953 square-feet currently comprise the strip shopping center facility present on approximately 7 acres in

Virginia. The facility houses a variety of tenants ranging from fast food and fine dining restaurants to commercial and medical related businesses. Shaw observed mold throughout several unoccupied tenant areas during the initial property due diligence, including an ASTM Phase I Environmental Site Assessment and Property Condition Assessment. Mold was observed widely affecting the carpet, walls, and ceilings. Shaw confirmed the presence of the mold in the four tenant spaces through industry-defined methods of sampling of affected media and confirmation through laboratory analysis.

Shaw implemented moisture infiltration reduction measures and the removal or encapsulation of mold-impacted building materials, both in accordance with standard industry practices. Following these moisture infiltration reduction measures, building materials affected by mold were removed or cleaned and the areas restored to ready-for-occupancy status. It is anticipated that these measures, in addition to proper site maintenance, will under normal conditions prevent future mold growth at the Subject Property.

#### **Pro Bono Hazardous Materials Assessment Support (2006)**

Throughout 2006, as part of a volunteer team organized by the Development Committee of New England Women in Real Estate (NEWiRE), Ms. Krol provided pro bono hazardous materials assessment support to a non-profit entity based in Lowell, Massachusetts. The United Teen Equality Center (UTEC) required environmental, engineering and architectural support to evaluate current conditions and plan for future occupancy of their new location, a circa 1886 church, to be converted to the youth center. Services included preliminary assessment, as well as asbestos, lead-paint and mold surveys of the subject property. Commercial value of the services provided was approximately \$25K, of a \$125K project total. Ms. Krol chairs the Development Committee, which issues an RFP annually to Boston area non-profits to obtain professional real estate services pro bono or at reduced rates.

## **Environmental Due Diligence: Phase I Environmental Site Assessments and Property Condition Assessments for Various Commercial Properties for a National REIT (2005)**

In June 2005, Ms. Krol was retained by a confidential client to perform initial Phase I Environmental Site Assessments (ESAs) and Property Condition Assessments (PCAs) for 24 mixed-use properties in the Midwest prior to acquisition. Included in the site portfolio were light industrial buildings, garden-style apartments, grocery store/retail facilities, and office complexes of varying sizes. The goal of the ESAs was to identify Recognized Environmental Conditions (RECs) associated with the subject properties. The objectives of the PCAs were to assess the general physical condition of the properties and to recommend necessary repairs or maintenance that would allow continued use and/or restoration of the properties.

#### Phase I ESAs:

To identify possible RECs, Shaw's team of 12 assessors and engineers completed the following tasks:

- Interviewed key site personnel regarding current and previous use of the properties
- Investigated historical use of the properties, including reviewing property records to ascertain previous ownership
- Documented information on geology and topography of the property, groundwater conditions, sources of water, power, and sewer, and proximity to streams and other ecologically sensitive receptors
- Assessed adjoining property for potential RECs
- Assessed the potential for sensitive ecological areas (wetlands, floodplains, and surface waters)
- Conducted visual inspections of the properties to check for existing or potential soil and water contamination; pits, ponds and lagoons; hazardous substances or petroleum products; electrical equipment that could contain polychlorinated biphenyls; and underground and aboveground storage tanks.
- Checked records for the potential for radon gas
- Reviewed federal and state regulatory records pertinent to the properties

#### PCAs:

The Shaw team conducted site surveys to observe buildings and other improvements, reviewed construction and maintenance documents, and interviewed affected parties. Shaw evaluated landscaping, pavement, loading docks, site drainage, signage, lighting and fencing. We checked foundations and structural framing of walls, columns, intermediate floors, and roofs. We also observed roofing systems, exterior and interior finishes, stairs and steps, exterior doors, and windows. Additionally, we assessed properties for safety and code compliance, moisture incursion for potential microbial contamination, and mechanical systems (electrical, heating/ventilation/air conditioning, plumbing, and conveyance). Shaw conducted a facility-wide survey to determine if asbestos was present in any of the structures. The team identified sources of asbestos, and estimated costs associated with building demolition and/or the removal and disposal of asbestos-containing materials.

#### Accomplishments:

- Completed ESAs and PCAs of 24 mixed use properties in two weeks, on time and within budget
- Successfully conducted site reconnaissance to determine the presence of recognized environmental conditions (RECs)
- Conducted thorough site surveys to inspect the condition of buildings and other improvements
- Prepared written reports that detailed findings for both projects

Under Ms. Krol's management, Shaw has successfully executed more than 100 projects of a similar nature for this client, including several multi-site portfolios, as well as by individual property. Utilizing experienced assessors and engineers with well-honed DD skills, and armed with a thorough understand of our client's business processes, we can provide quality

assessments in expedited turnaround time. Shaw anticipates our clients' needs and concerns and takes proactive corrective action when an REC or engineering issue is identified.

#### **Environmental Due Diligence for Retail Site Development (2004 to present)**

During the past six years, Ms. Krol has proposed and managed site development activities at nearly 20 sites for a confidential retail client. She established a core team to support this key retail client's site acquisition and new store development program. In addition to site assessors for Phase I ESA portion, pre-development services include wetlands presence/absence determinations, Threatened and Endangered (T&E) Species Evaluations, Phase II subsurface investigations, hazardous materials (asbestos, lead, PCBs, mercury) assessments, compliance audits and PCA evaluations of existing structures. Ms. Krol functions as a National Account Manager for this client at Shaw, enhancing communication and coordinating activities, distributing templates and hosting a monthly team conference call for the fluid exchange of information to improve service offerings to this client.

#### **Pre-Foreclosure Due Diligence (1999 to present)**

For the past 10 years, Ms. Krol has been providing comprehensive environmental due diligence services to Capital Crossing Bank, which became a division of Lehman Brothers Bank. Services include ASTM 1527 Phase I Environmental Site Assessments, Phase II Subsurface Investigations, Property Condition Assessments, and Hazardous Materials Surveys. Work was often performed under pre-foreclosure status, limiting site access and the ability to interview persons with knowledge of the subject property's current and historic operations, requiring extensive research. Ms. Krol also provided periodic due diligence training for the Capital Crossing Bank lending and appraisal team, as part of their quarterly environmental education program.

#### Transaction Support for Shaw Group's Investment in Westinghouse Electric (2005)

In November 2005, The Shaw Group utilized Shaw E&I personnel to support their environmental due diligence needs for a confidential transaction, which later became a highly visible Shaw Group corporate acquisition of Westinghouse Energy / British Nuclear Fuels, Inc. of a large number of sites throughout the world, including the United States, Eastern and Western Europe, Russia, China, Japan, and Korea. After a thorough due diligence process, in October 2006, Shaw announced the acquisition of 20% of Westinghouse Electric (<a href="http://www.westinghousenuclear.com/">http://www.westinghousenuclear.com/</a>), the world's premier provider of power generating technology, equipment, licensing expertise, fuel and services for nuclear plants.

As part of a multidisciplinary, national and international team, Ms. Krol contributed to document reviews in an online e-data room to identify significant issues from compliance, regulatory and general environmental due diligence, soil, groundwater and overall "big picture" issues associated with the subject properties. This transaction will help Shaw realize our vision of being the world's leading solutions based company that develops, designs, builds, maintains and operates programs and facilities for our clients.

Spill Prevention Control and Countermeasure (SPCC) Plans (November-December 2005)

Shaw prepared Spill Prevention Control and Countermeasure (SPCC) Plans for two telecommunications/internet regeneration facilities located in London, United Kingdom for NEON Communications and Globix Limited. These facilities were part of Globix, the strategic partner of NEON. Shaw performed compliance audits, as well as developed and/or updated SPCC plans, for all 26 of its operational co-location sites throughout the Northeast, New York, California and mid-Atlantic regions of the US.

#### **Environmental Due Diligence (2005)**

In March 2005, Ms. Krol proposed and managed a Phase I ESA of a large vacant tract of land for funding of a new residential housing development in the area of a former phosphate mine in Florida. The subject parcels were 249 non-contiguous, unimproved wooded lots, approximately one-quarter acre in size. Shaw personnel performed field investigations of the properties and visited the Citrus County government complex in order to obtain available building records and review plat maps and flood maps. Approximately 10% (25) of the ¼-acre lots were inspected and a drive-by of the entire neighborhood was conducted. The purpose of this assessment was to identify recognized environmental conditions (RECs) which may impact the subject properties. During the field inspections, Shaw personnel noted small areas of dumping along the roadways. There was no evidence that releases had occurred which would impact soil and/or groundwater quality on the subject parcels; however, it was recommended that these items be removed for proper disposal. The presence of these items was considered to be a de minimus condition and was therefore not considered a REC. Shaw personnel did not observe current site conditions which would contribute to soil and/or groundwater impact on the subject parcels. Based upon aerial photograph review, it did not appear that the subject lots had been previously improved. Based on conversations with the United States Department of Agriculture (USDA), agricultural uses have been minimal in Citrus County. Based on review of topographic maps there was an inactive mine and tailings ponds to the east of the highway adjacent to the general area of the proposed development. According to the Citrus County Environmental Health Department (EHD), the area was mined for phosphate in the late 1800s to early 1900s and the phosphate was utilized to make fertilizer; however, EHD was not aware of any issues associated with the mine. There was a sizeable tailings pond, now a lake, in the center of the mine. There was also a recent sinkhole. The land has always been timberland and was not utilized for citrus groves or other agricultural purposes. In addition, according to EHD, there is a regional radon concern. The historical land use in the area, including mining activities, did not appear to pose a threat to environmental conditions at the subject parcels at this time.

#### **Confidential Transaction Support for an Aircraft Manufacturer (2004)**

Shaw Environmental, Inc. (Shaw) was contracted to provide environmental due diligence services for a portfolio of properties to support a potential corporate acquisition. Shaw conducted a Phase I Environmental Site Assessment (ESA) in general accordance with ASTM International's Designation: E 1527-00 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-00), as well as an environmental, health and safety (EH&S) assessment of the company's facilities located in Kansas and Oklahoma. This external review was conducted as a means of verifying facility compliance with applicable EH&S regulations, including federal, state, and local rules. The goal was to establish a compliance baseline for all regulatory programs applicable to the site at the

time of the assessment and to identify any regulatory requirements, compliance issues or substantial cost expenditures that could impact the site in the future going forward. The EH&S compliance assessments were conducted in November 2004, and included an opening meeting with facility management and legal counsel, a thorough records review, a detailed site inspection of a representative number of areas, interviews with various staff members, and debriefing meetings.

Given the wide scope of EH&S programs and available resources, the Shaw concluded that the overall EH&S program at the company is satisfactory overall in addressing applicable federal and state requirements. A short list of program issues were identified, and although considered minor in nature, were recommended to be addressed, including the preparation of a Spill Prevention, Control and Countermeasures (SPCC) plan; written program to prevent employee exposure to lead from torch cutting and welding operations; comprehensive Lead Compliance Plan (LCP); and a comprehensive asbestos survey of the entire site for the purpose of updating the existing asbestos Operations and Maintenance (O&M) program to reflect previous asbestos removal projects for which documentation could not be located or confirmed. Also, as part of the assessment process. Shaw compliance specialists provided identified issues judged to be potential regulatory compliance issues or future compliance issues that could result in significant costs, such as third-party audits. The company has a program to conduct site audits of hazardous waste handling and disposal facilities prior to approving these facilities to receive any hazardous wastes or hazardous materials. However, the solid waste vendors (e.g., drum reclaimers, used oil handlers, battery reclaimers, and scrap metal facilities) are not audited. Generators of waste or recyclable materials that use these facilities can be held liable for the clean-up costs associated with improper waste/material management, or if the facility becomes financially insolvent. Any facility used by the new company should be audited and approved if the contracts currently in place will be utilized.

The reports were prepared utilizing a project-specific portal established by Shaw specifically for this project, to ensure confidentiality between the parties and their attorneys, as well as to aid in efficiency of report preparation by Shaw, improve communication, generate electronic deliverable reports, as well as management of the data by the client. Shaw enhanced its Phase I ESA report to address pending All Appropriate Inquiry requirements promulgated by EPA and ASTM. Local Shaw assessors from multiple offices were utilized to conduct the site visits in various states, including Kansas, Cincinnati, and Wisconsin. Ms. Krol reviewed historic documentation and reports generated by the EHS assessment team for quality assurance and compliance with ASTM 1527-00.

### **Environmental Due Diligence/Property Transaction Support Services (2004)**

In March 2004, Ms. Krol and Shaw Environmental, Inc. (Shaw) provided environmental due diligence services to a confidential New York-based Real Estate Opportunity Fund, a division of a Canadian corporation, to complete Phase I Environmental Site Assessments (ESAs) for the acquisition of a commercial real estate portfolio. The portfolio included 119 buildings at 18 office complexes in various locations nationwide, with a total square footage of nearly 6 million square feet, which included facilities in California, Maryland, Washington, Georgia, Michigan and Ohio. The project was supported by site assessors from 7 Shaw offices, each located within a 2-hour radius of the subject properties. For the purposes of the project, and for the preparation

of the Phase I ESA reports, each subject property was defined as the complex, whether one building or several, at each location. Upon authorization by the client, Shaw arranged access to the complexes with subject property representatives. Shaw prepared comprehensive, detailed reports that included findings, conclusions and recommendations for additional investigation to evaluate identified Recognized Environmental Conditions, if needed, as well as photo logs of relevant or significant findings. Due to the tight due diligence window, the project was conducted on an expedited turnaround basis, and was completed on time and under budget.

# **Environmental Due Diligence (2003-2004)**

Ms. Krol and the Shaw due diligence team provided environmental due diligence services to the Franchise Finance division of General Electric (GE) Capital (GECFF) for several portfolios of various franchised food preparation (restaurant) facilities nationwide. The initial scope of work began with Desktop Reviews (e.g., EDR report review and analysis and telephone interviews), and expanded to include ASTM 1527-00 Phase I Environmental Site Assessments (ESAs), and where necessary, Limited Phase II Subsurface Investigations and geophysical surveys, based upon the findings of the Phase I ESAs. The information obtained from the environmental due diligence activities was utilized by GECFF to evaluate recognized environmental conditions (RECs) associated with the subject and surrounding properties, and to determine risk and liabilities associated with financing for the subject properties. The reports were prepared utilizing the PARCEL Platform (commercial extranet) to generate electronic deliverable reports, to aid in efficiency of preparation by Shaw, as well as management of the data by the client. Shaw enhanced its report to address pending All Appropriate Inquiry requirements promulgated by EPA and ASTM. Local Shaw assessors from multiple offices were utilized to conduct the site visits in various states, including Arizona, California, Florida, Georgia, Louisiana, Massachusetts, Michigan, Missouri, New Mexico, Ohio, Texas, Tennessee, Virginia and West Virginia.

## **International Due Diligence (2000)**

Ms. Krol conducted Phase I Environmental Site Assessment and Compliance Audits of three automotive parts manufacturing facilities in the United Kingdom (UK), as part of a corporate acquisition. The facilities were operated by various subsidiaries of Breed Technologies in Carlisle, Birmingham (Breed Steering Systems, Ltd) and Diss (Hamlin Electronics Europe Ltd., <a href="http://www.hamlin.com/">http://www.hamlin.com/</a>), now part of Key Safety Systems UK Limited, A Key Automotive Group Affiliate, <a href="http://www.keysafetyinc.com/">http://www.keysafetyinc.com/</a>. Each facility manufactured a specialty automotive part, including sensors for air-bag deployment, restraint systems, steering wheels and interior accessories. The Phase I ESAs were conducted in conformance with ASTM 1527-00 and the compliance audits were performed to determine regulatory compliance with United States standards, as the facilities were to be owned and operated by a United States multinational company. A review of UK regulations, including the Environment Agency (EA), as well as county and local records, was performed. Environmental database records and Ordinance Maps (similar to Sanborn fire insurance maps in the US) were obtained from Landmark and reviewed for the subject and surrounding properties.

# ISO 14001 Implementation Consulting Services (2002)

North American Medical Systems, Products and Services Company, Healthcare Solutions Group

Ms. Krol provided consulting services to the healthcare solutions group of a national medical systems, products and services company's plant in Massachusetts. She developed portions of an Environmental Management System (EMS) for that facility that conformed to the 1996 ISO 14001 EMS Standard. Ms. Krol drafted an Aspects and Impacts Analysis and a site-specific ISO 14001 EMS Description Document (manual). She also identified documents needed as part of the EMS; determined necessary modifications to the plant's Quality Management System (QMS) to link it to the EMS; developed a memorandum to senior management regarding adoption of the corporate Environmental Policy; and revised the existing ISO 14001 Implementation and Registration Schedule.

# **Environmental Health and Safety Management System Development (2001-2002)**

Major International Insurance Company

Ms. Krol provided environmental, health and safety (EHS) consulting services pertaining to the development of an EHS Management System (EHSMS). During a 2001 compliance audit conducted by Ms. Krol and two members of Clayton's Occupational Health and Safety staff, one of the recommendations made was to consider the development of an EHSMS to improve the overall communication and implementation of EHS programs. Clayton facilitated a series of meetings with key representatives from various departments to identify areas for improvement and goals for the EHSMS. A presentation-style proposal on the goals and benefits of developing an EHSMS was developed for the Corporate Safety and Loss Prevention Manager to present to Senior Management for approval.

# Personal Protective Equipment (PPE) Assessment and Facility Survey

Specialty Lubricants Manufacturer

Clayton performed a walkthrough assessment of the speciality lubricants facility to review the manufacturing processes and evaluate the use of Personal Protective Equipment (PPE) during onsite operations. Ms. Krol assessed the need for PPE in each work area at the facility, in conformance with the Occupational Safety and Health Administration (OSHA) Title 29 Code of Federal Regulations (CFR) Part 1910, Subpart I, Appendix B. A report analyzing gathered data covered materials used, Royal's PPE requirements and PPE usage by employees. Ms. Krol developed PPE selection guidelines, reassessed hazards, and made PPE cleaning and maintenance recommendations.

# Environmental, Health, and Safety Management System (EHSMS) Action Plan

Manufacturing Industry Lighting Products

Ms. Krol supervised development of a corporate level EHSMS action plan for an international lighting company, enabling it to pursue ISO 14001 registration. The project included assessing significant aspects and impacts, identifying potential environmental health and safety legal and other requirements, training, developing emergency preparedness and response procedures, conducting management reviews, and developing a new corporate EHSMS manual. Ms. Krol continued to work with corporate headquarters EHS personnel to implement the EHSMS.

# Multiple-Site Portfolio Phase I ESA Management (1994-2002)

Financial Institutions and Manufacturing and Real Estate Industries

Serving as a project manager for asset-based lenders, property managers, and industrial manufacturing corporations nationwide, Ms. Krol managed Phase I ESAs on multiple-site portfolios throughout due diligence processes. Project activities also included proposal and report writing. Ms. Krol enabled clients to evaluate site information and make informed decisions about major property transactions.

# Phase I ESAs (1994 to 2002)

Restaurant and Concrete Industries

Ms. Krol supported diverse clients in decisions regarding property transactions. In addition to conducting portions of Phase I ESA fieldwork, Ms. Krol coordinated site visits, wrote reports, and acted as a liaison to clients. The Phase I ESAs were conducted in accordance with the scope and limitations of ASTM Standard Practice E 1527-97. Ms. Krol's services helped clients throughout the due diligence process.

### **Phase I ESAs**

Granite Quarry and Monument Company

Ms. Krol conducted several Phase I ESAs for a monument company that operates quarries and tombstone manufacturing facilities, as well as several retail facilities and cemeteries in the eastern United States. The company requested due diligence support for the acquisitions of individual and portfolio properties.

# Remedial Investigation (1994 to 2002)

Manufacturing Industry Synthetic Lubricants

As geologist for a remedial investigation at a synthetic lubricants manufacturing facility in New Jersey, Ms. Krol was responsible for a variety of activities, including surface water sampling and dye-testing storm water lines, as well as subcontractor oversight and client reports. She supervised subcontractors responsible for installing monitoring wells, excavating drums, cleaning and video-surveying storm water pipelines, surveying the subsurface using ground-penetrating radar (GPR) and electromagnetic methods, and drilling soil boreholes using Geoprobe and air rotary drilling. The investigation determined the presence of underground storage tanks (USTs) and drums based on subsurface anomalies detected by geophysical techniques. Ms. Krol reviewed data, prepared written updates for the client, and reviewed subcontractors' invoices and project budgets. As the designated health and safety officer for the project, Ms. Krol prepared all task-specific health and safety plans (HASPs) for onsite field activities. These services enabled the client to comply with the New Jersey Department of Environmental Protection (NJDEP) in the course of identifying and remediating site contamination.

### **Comprehensive Environmental Audit**

Textile Industry

An audit of a textile manufacturer in Rhode Island included wastewater, storm water, chemical inventories, and air emission sources. As project geologist, Ms. Krol conducted regulatory agency meetings to confirm the facility's overall compliance with various federal, state, and local government regulations, including the Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), and Toxic Substance Control Act (TSCA). Ms. Krol also identified and resolved wastewater issues negotiating with the Rhode Island Department of Environmental Management (RIDEM).

# **Holding Pond Pre-Design Studies**

Manufacturing Industry Synthetic Lubricants

At a synthetic lubricants manufacturing facility in New Jersey, Ms. Krol directed a pre-design study that sampled the sediments, perimeter soils, and surface water of an industrial infiltration/percolation lagoon receiving both effluent discharge from an oil/water separator and non-contact cooling water from onsite operations. Field activities were conducted in accordance with New Jersey sampling protocol, including the New Jersey Technical Requirements for Site Remediation. Ms. Krol developed a remedial action work plan based on the NJDEP's response to the pre-design studies report and remedial design plans. The holding pond was eventually closed in accordance with NJDEP requirements.

# **Property Portfolio Database Management (1994-1998)**

Financial Institutions

Serving as project manager, Ms. Krol developed and maintained databases of individual properties and multiple-site portfolios for two major asset-based lending institutions in New York and New Jersey. The databases included information related to the Phase I ESAs of various North American industrial facilities under consideration for financing. Ms. Krol maintained regular communication with account executives for the transactions, managers of the real estate divisions, and company staff conducting the ESAs.

### **Phase I ESAs**

Heavy Manufacturing Industry

Ms. Krol supervised Phase I ESAs for various facilities in Texas, including a 17,000-square-foot warehouse used for selling, distributing, and servicing large construction equipment. Because of the presence of onsite USTs and an adjacent gasoline service station, Ms. Krol recommended a Phase II subsurface investigation for suspected contamination. Her services confirmed an offsite contaminant source, which affected the course of action and level of client responsibility.

### Phase I ESA and Asbestos-Containing Material (ACM) Assessment (1996)

Real Estate and Insurance Industries

Ms. Krol conducted a Phase I ESA and a limited suspect ACM assessment at a 975,000-square-foot shopping mall, bank, and small church located in Nanuet, New York. The Phase I ESA was conducted in accordance with the scope and limitations of ASTM Standard Practice E 1527-94 and was developed in accordance with ERIC insurance industry protocols, enabling the client to comply with insurance policy renewal requirements.

#### Phase I ESA

Office Building

Ms. Krol served as geologist on a Phase I ESA of a 55,000-square-foot New York City high-rise housing business tenants and some retailers. The Phase I ESA was performed in accordance with the scope and limitations of ASTM Standard Practice E 1527-94, enabling the client to proceed with a property transaction on time and within budget.

### **Chemical Product Review**

Chemical Industry

Ms. Krol supervised the review of various chemical products planned for storage at a New Jersey bulk storage terminal facility. Initiated in response to an explosion at another terminal facility owned by the client, the project objective was to evaluate compatibility of the chemicals with onsite storage tanks and other stored products. Ms. Krol also reviewed air emission sources and a Title V permit application to prepare an annual air emission statement for submission to the NJDEP.

#### Phase II ESA

Petroleum Industry Retail

Following the reported but undocumented removal of USTs at a former gasoline service station in Connecticut, Ms. Krol conducted a Phase II subsurface investigation to verify the presence or absence of the USTs. She used soil sampling and geophysical techniques, including ground-penetrating radar, radio frequency, and magnetometer surveys to identify any remaining USTs. Ms. Krol's investigation confirmed that the USTs had been removed, and she provided the documentation required for closure of the issue.

### **UST Removal Oversight (1994)**

Petroleum Industry Retail

During renovations to a former gasoline service station site in New Jersey, several USTs were identified. Geophysical investigation, including Ground Penetrating Radar (GPR), Radio Frequency (RF) and Magnetic surveys were performed to identify the UST locations prior to excavation. Ms. Krol oversaw the UST removals in accordance with all applicable regulations and on a short turnaround, allowing the site renovations to proceed on schedule.

# Hydraulic Oil Removal and Disposal

Retailing Industry

Following a leak of the hydraulic line for a compactor into the sump at a large Connecticut department store. Ms. Krol supervised removal and proper disposal of hydraulic oil from the maintenance area of the store, in compliance with state regulations. The client was able to quickly resume maintenance activities and use of the compactor.

# **Comprehensive Environmental Compliance Audit**

Manufacturing and Warehousing Industry

Ms. Krol's comprehensive environmental compliance audit of an industrial site in New Jersey included evaluating approximately 100 pieces of equipment, a research and development laboratory, a quality assurance/quality control laboratory, and multiple processing areas. Ms. Krol audited the entire facility for regulatory compliance including health and safety issues such as worker exposure and proper use of PPE. The facility contained more than 60 air emission sources. Ms. Krol identified deficiencies related to federal Title V requirements, filed permit applications with the state environmental agency, and annually reviewed current equipment and associated permits to help maintain regulatory compliance.

# **Real Estate Transaction Screen (1996)**

Financial Institution

During the foreclosure process, a financial institution initiated a transaction screen at a Massachusetts gasoline service station to obtain an independent, professional opinion regarding recognized environmental conditions associated with the facility's activities. Ms. Krol inspected the site, identifying several areas of staining in the waste oil storage area of the automobile repair garage. She conducted the transaction screen in accordance with the scope and limitations of ASTM Standard Practice E50.02.1, enabling the client to accurately assess environmental liabilities and costs associated with the planned foreclosure.

### **Environmental Compliance Audit (1996)**

Manufacturing, Packaging and Warehouse Facilities

Ms. Krol developed specific environmental audit criteria for blending and packaging activities at contract packaging plants in New Jersey and Illinois, ensuring that the client would be able to maintain integrated business operations while complying with differing regulatory and permitting requirements for the two states. The facilities each contained approximately 10 air emission sources requiring new air permit applications because of a product reformulation. Ms. Krol prepared and filed the permit applications with state environmental agencies and obtained the required operating permits for each facility. These services enabled the client to complete R&D and establish a new product line for introduction to the consumer market.

#### **Professional Affiliations**

Air and Waste Management Association (AWMA) 1996-1998

American Geophysical Union (AGU)

American Society for Testing and Materials (ASTM), Continuing Obligations Task Force Reasonable Steps Sub-Committee, 2005 to present

ASTM International E50 Environmental Assessment, Risk Management and Corrective Action Committee Member, 2008 to present; E60 on Sustainability and the Building Subcommittee, 2009 to present

ASTM International WK24707, Building Energy Performance Disclosure, Task Group Founding Committee Member, 2009 to present

ASTM International E1527 Phase I Environmental Site Assessment Process, Task Group, 2010 Association for Corporate Growth (ACG), 1998-2002; 2008-2009

Auditing Roundtable (formerly the Environmental Auditing Roundtable), NE Chapter, 1999 to present

Chair of the New England Chapter, 2003 to present; Host and Moderator of Bi-Annual Chapter Meetings; Restarted Dormant NE Chapter in 2003; Periodically co-sponsored with NEACHMM and AIHA

Beta Gamma Sigma Honor Society, 2001

Business & Industry Association of New Hampshire, 1998

Cambridge Who's Who Among Executives, Professionals and Entrepreneurs, 2010

Commonground - Founding Member of the Advisory Panel, <a href="http://commonground.edrnet.com/">http://commonground.edrnet.com/</a>, 2007; Commonground University - Environmental Due Diligence 101 Content Development and Peer Review, 2008; Property Condition Assessment 101 Content Development and Peer Review, 2009. Bylaws Committee Chair, 2010. Elected President of the Executive Committee 2010.

CREW Network, 2003 to present

Member Education Committee, 2010 to present

Environmental Bankers Association (EBA), 2002 to present

Active member of Business Development and Membership Committee since 2003, Risk Management Committee since 2006, and Technical Committee since 2007, Global Issues since 2007 and founding member of the sub-team focused on Carbon Risk in Loan Portfolios.

Environmental Business Council of New England, 1998-2008

CoreNet Global

Geological Society of America (GSA)

Geological Society of New Hampshire 2002-2003

Greater Boston Chamber of Commerce (GBCC) 1997-2004

Energy and Environment Committee, 1997 to 2000

Program Advisory Committee, 1998 to 2001

Ambassadors Committee, 1998 to 2001

Timoassadors Committee, 1776 to 2001

Development Committee, 2000 to 2001, 2003

Transportation Committee, 2001 to 2002

Licensed Site Professional Association (LSPA), Massachusetts

Licensed Site Professional Association, 1999-2002

Madison's Who's Who, Affiliated Member, 2010

Middlesex West Chamber of Commerce, 2001-2002

National Association for Female Executives (NAFE), 1998

National Association of Industrial & Office Properties (NAIOP)

Networking Roundtable, 2001

New England Women in Real Estate (NEWIRE), 1998-1999, 2003 to present

Steering Committee - elected 2007 to present; Dues and Strategic Plan subcommittees

Development Committee and Project Volunteer; Chair 2008 to present:

2004 Girl's Inc.

2005 Mission Hill Health Movement & Boston Self-Help;

Project Team Honored with NEWIRE Networking Award (2006)

2006 United Teen Equality Center;

Team Nominated for the National CREW Networking Award (2007)

2007 Real Estate Strategy Workshops/Charettes: Somerville Community Corporation; City of Peabody, and its affiliates Affordable Assisted Living Study Committee and North Shore Elder Services

2008 Shelter, Inc./Home Again

2009 Brookview House

2010 SouthShore Habitat for Humanity

Developer's Networking Group, 2007

Mentor Program Volunteer, 2008

University Outreach Volunteer, 2008

New England Women's Fund (NewFund), Development Committee, 1999-2000

Qualified Leads Group, 1998 to present

Sigma Xi Scientific Research Society

Society of American Military Engineers, 2003-2004

Society of Women Environmental Professionals, Since Formation of Boston Chapter in 2006

Suffolk University Executive Program Alumni Council Board, 2000 to present

Sawyer School of Management, Education Committee

Nominated to Sawyer School of Management Board, 2009

Women's Environmental Network (WEN)

Women's Transportation Seminar (WTS), 1999-2004

Environmental Mentoring Committee, 1999-2004

85 Broads, 2010

### **Publications and Presentations**

Krol, Elizabeth and Crocker, Dianne. May 4, 2011. *Due Diligence Today: Are We Picking Up Where We Left Off?* Treasury Management Association of New England.

Krol, Elizabeth. April 13, 2011. *Hot Topics in Due Diligence*. Environmental Business Council of New England seminar – CT Chapter. Seminar Co-Chair and presenter.

Environmental Business Council of New England. Indoor Air Symposium. program moderator. March 16, 2011.

Krol, Elizabeth. January 20, 2011. *Hot Topics in Due Diligence*. Environmental Business Council of New England seminar – NH Chapter. Seminar Co-Chair and presenter.

Krol, Elizabeth and Lustig, Lyn. January 11, 2011. *Environmental Insurance*. Boston Bar Association.

Crocker, Dianne. December 6, 2010. Vapor Intrusion and ASTM's Revised Vapor Encroachment Standard: The experts answer why the topic is so hot now and the best way you can protect your clients and yourself from liability. Environmental Protection magazine. Quotes included from interview with author

 $\underline{http://eponline.com/articles/2010/12/06/vapor-intrusion-and-astms-revised-vapor-encroachment-standard.aspx}$ 

Krol, Elizabeth. November 16, 2010. *Hot Topics in Due Diligence*. Environmental Business Council of New England seminar – MA Chapter. Seminar Co-Chair and presenter.

Crocker, Dianne. November 2010. Vapor Encroachment. Environmental Protection magazine. Quotes included from interview with author.

Crocker, Dianne. AWMA EM Blog

Crocker, Dianne. November 2, 2009. Market Maven Blog: Smart Strategy of the Week. Profile and quotes from interview with author. <a href="http://commonground.edrnet.com/posts/9636595434">http://commonground.edrnet.com/posts/9636595434</a>

- Krol, Elizabeth. March 19, 2009. *Shaw National Practice Program Due Diligence: LEED EB Assessments*. Shaw NPP Sustainability Technical Exchange conference call.
- Crocker, Dianne. January 6, 2009. *You're Invited!* Environmental Protection Magazine. Quotes included from interview with author. http://www.eponline.com/articles/70159/
- Crocker, Dianne and Krol, Elizabeth. December 3, 2008. *The AAI Rule and SOX Intersect*. Environmental Protection Magazine. <a href="http://www.eponline.com/articles/69639/">http://www.eponline.com/articles/69639/</a>
- Krol, Elizabeth. October 24, 2008. *Environmental Due Diligence Update*. Remediation and Development of Contaminated Property Seminar. Massachusetts Continuing Legal Education. http://www.mcle.org/books-cds/pma-cd-catalog.cfm?product\_code=2090048PMA
- Krol, Elizabeth. September 23, 2008. *Shaw's National Practice Program for Due Diligence*. Shaw Applied Science and Engineering Technical Exchange conference call.

Walker, Jon and Krol, Elizabeth. September 2008. *New Accounting Rules, Sustainability Movement Emphasize Importance of Environmental Disclosure*. Core-Net Global: The Leader.

Walker, Jon and Krol, Elizabeth. August 2008. <u>Fair Value Accounting: 141(R) and Environmental Liabilities</u>, Association for Corporate Growth, Mergers & Acquisitions. <a href="http://www.acg.org/Portals/0/AUGMAJ0808.pdf">http://www.acg.org/Portals/0/AUGMAJ0808.pdf</a>

Cesare, Ben. August 2008. *Environmental Due Diligence – For Your Buyers*. Real Estate Professional. Quotes included from interview with author.

Crocker, Dianne and Krol, Elizabeth. New Accounting Obligations Present Opportunities for Environmental Professionals. Environmental Protection Magazine.

Krol, Elizabeth. June 5, 2008. *Due Diligence Approach and Marketplace Reasction to the New ASTM Vapor Intrusion Standard*.

Shaw Science & Technology Newsletter, pending 2008, Shaw E & I Mentoring Program: How Mentoring Works at the Ground Level.

Shaw Annual Report, pending 2008, Employee Spotlight.

Pollard, Derek and Haberlen, Jamie. May 2008. What Lenders Need to Know about EPA's AAI Rule. The RMA Journal. Quotes included from interview with authors.

Krol, Elizabeth. March 24, 2008. *Highlights of the New ASTM VI Standard*. Shaw Vapor Intrusion Seminar.

Crocker, Dianne. October 2007. Environmental DD in the Wake of the EPA's New AAI Rule. Real Estate Issues, Winter 2007. Quotes included from interview with author. <a href="http://www.cre.org/memberdata/pdfs/31\_3\_Environmental.pdf">http://www.cre.org/memberdata/pdfs/31\_3\_Environmental.pdf</a>

Ezovski, Derek. March/April 2007. *Environmental Professionals Answer Lenders' Top Site Assessment Questions*. The Secured Lender. Quotes included from interview with author.

Krol, Elizabeth S. April 18, 2007 (conference postponed; abstract accepted January 2007). *Effective Real Estate Solutions to Meet All Appropriate Inquiry Requirements Utilizing ASTM 1527-05*. Shaw Environmental & Infrastructure 2007 Symposium. Due Diligence Session Co-Chair. <a href="https://www.shawgrp.com">www.shawgrp.com</a>.

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Crocker, Dianne. Apirl 2007. ESA Report, published by EDR. *Environmental Consultants Sound Off On New Federal Site Assessment Rule*. Quotes incorporated by author. www.edrnet.com.

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# **Professional Development**

Commonground University – Property Condition Assessments – October 2010

Shaw – Client Program Manager Leadership Training – March 3-4, 2010

EDR Annual Client Conference – 2006, 2007, 2008, 2010

Suffolk University Sawyer School of Management - The Search for Women Leaders: Would an Executive MBA Make the Difference?, Women's Leadership Focus Group, June 16, 2009.

Shaw - HR for Supervisors - April 15, 2008

ASTM - Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions - March 25, 2008

EDR Parcel Users Conference – September 20-21, 2006; September 26-27, 2007

University of Massachusetts at Amherst – 21<sup>st</sup> Annual Conference on Contaminated Soils, October 18, 2006

American Management Association – What Every Manager Needs to Know: AMA's Toolkit for Success – October 4-6, 2006

NEWiRE Northeast Regional Conference – May 11-12, 2006

Shaw - Safety Leadership Series: Best Practices - Incident Investigation and Worker's Compensation; Subcontractor Prequalification - March 7, 2006

RTM - Contaminated Properties Transaction Symposium - October 17-19, 2005

EnviroExpo – All Appropriate Inquiry and Sarbanes-Oxley: Regulatory Impacts to the Environmental Due Diligence Market. May 4, 2005 – speaker.

Shaw – Technical Leadership Mentoring Program – Annually 2005 to present

Shaw - ShawSales Training – November 2, 2004

Association for Corporate Growth - Legends in Business,  $10^{\rm th}$  Annual Spring Conference, May 25, 2004

Shaw - Municipal Brownfields Seminar - May 13, 2004

Shaw – Compliance and Environmental Management System Overview – November 4, 2003

Shaw - Homeland Security Breakfast Seminar – October 29, 2003

Institute for Environmental Education – Asbestos Inspector Annual Refresher Training – October 28, 2002; October 27, 2003

Shaw - Environmental Management System Workshop - October 23, 2003

EnviroExpo – May 6-8, 2003

Environmental Bankers Association bi-annual meetings – 2002 to present

Greater Boston Chamber of Commerce Women & Leadership Seminar Series - Simmons School of Management – Executive Education 3 Part Series - October 15, 22 and 29, 2002

BOMA – Microbial Contamination in Buildings (presented by Clayton colleague), March 28, 2002

Institute for Environmental Education – OHSA 8-Hour Annual Health and Safety Refresher for Hazardous Waste Operations Training – October 26, 2001

Clayton Environmental Consultants - Real Estate and Financial Services Group: Phase I Environmental Site Assessment Training (content developer and trainer). February 2001

Clayton Environmental Consultants - Estate and Financial Services Group: Phase I Environmental Site Assessment Training (content developer and trainer). February 26-28, 1999

Global Business Alliance of New England – 5<sup>th</sup> International Networking Event, February 11, 1999

University of Massachusetts at Amherst – 12<sup>th</sup> Annual Conference on Contaminated Soils, October 20-23, 1997

HRP Associates – How to Conduct an Air Emission Inventory – May 18, 1995

Clayton Environmental Consultants – Environmental Assessment Guidelines, August 29, 1994

EDR Due Diligence at Dawn – Annual Workshop 1994 to present

#### **Professional Qualifications**

Ms. Barry has approximately three years of environmental consulting experience, providing technical oversight, coordination, and project management assistance.

She has coordinated, overseen, and performed subsurface investigations throughout the Northeast region of the United States. In addition, Ms. Barry has been involved in projects associated with Phase I and II site assessments in the Midwest and on the East Coast. Her involvement in Phase I due diligence includes assisting in the coordination of site visits, performing local and state file reviews, travel to various sites located in the midwest and eastern United States for environmental assessments, and reporting in accordance with the American Society for Testing and Materials (ASTM) International Standards. She has also acted as sample manager for an ongoing Phase IV remediation project in Massachusetts.

Ms. Barry has completed projects at retail facilities, municipalities, governmental and state facilities, power stations, telecommunication facilities, and various other projects associated with property transfers. Her sample collection experience includes groundwater, soil vapor, indoor air, soil and surficial soil collection at contaminated sites, which include nonaqueous phase liquid (NAPL), tetrachloroethylene (TCE), and polychlorinated biphenyl (PCB)-contaminants to list a few.

#### Education

Bachelor of Science, Natural Resources, McGill University, Montreal, Canada, 2005

### **Additional Training/Continuing Education**

8 Hour HAZWOPER Refresher, Online, 2008

IATA Air Shipment of Dangerous Goods, Hopkinton, MA, 2008

DOT Shipment of Dangerous Goods, Hopkinton, MA, 2008

Asbestos and Mold Training, Hopkinton, MA, 2007

Safety Leadership Series-Best Practices, IRR, Subcontractor Pregual, Hopkinton, MA, 2006

Competent Person: Drilling Oversight, Andover, MA, 2006

Excavation Competent Person Training, Andover, MA, 2006

Electrical Safety Awareness Training, Hopkinton, MA, 2006

40 Hour HAZWOPER Training, Burlington, MA, 2005

### **Experience and Background**

#### 11/2005 - Present

Environmental Scientist II, Shaw Environmental & Infrastructure, Inc., Hopkinton, Massachusetts

Responsibilities include providing support to client projects and office staff as a Geoscience group team member. Also responsible for preparing regulatory report documents, performing Phase I and II Environmental Site Assessments, and field data collection.

### The following is a summary of key projects:

<u>Lead Sample Manager, ADC and Mother Brook Remediation, 127465, Former LE Mason, Hyde Park, MA, \$8,000,000.00, 06/2007 - Present</u>

Sample Manager for project in Hyde Park, MA remediating PCB-contaminated site and downstream area. Performed daily soil and sediment field sampling with the assistance of another scientist on site and in a contaminated river downstream of site. Water was diverted from the brook to a confluence downstream and a large portion of the excavation was conducted in the brook bed.

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Managed sample data on a 24-hour turnaround schedule throughout the summer and winter months. Maintained constant contact with Resource Laboratories in order to receive sample analysis in a timely manner. Effectively coordinated assistance with sampling and data management of bulk quantity of samples collected. Also performed subcontractor supervision for additional out-of-scope subsurface investigations.

Communicated efficiently with subcontractors, RC&D, during project. Each excavation presented a challenge due to coordinating simultaneous sample collection during excavation, and the potential for bank erosion and cross contamination. The nearby Amtrak railway presented a hazard due to its proximity to the work area, the high speed and frequency at which it traveled, and the subsequent vibrations and potential for cave-ins.

Remediation in the brook was of special concern, because of the constant, unexpected site conditions during excavation. The brook was downstream of a divergence dam and was subject to a release from the upstream water source. Inclement weather, such as rainfall or snow, created an increase in water flow and a danger of flooding the work area.

#### Awards/Client Commendations:

Received Certificate of Bonus Award for contributions to the LE Mason Project on October 11, 2007.

#### Other Comments:

Project is a Public Involvement site. The project has received positive feedback from local residents.

Auditor, Hazardous Materials Shipment Auditing Project, Confidential, Charlotte, NC, 05/2009 - 05/2009 Project similar to the previous auditing project submitted. This phase included another phase of training prior to Shaw employees being deployed to their respective locations. Weekly activities included traveling to various locations near Charlotte, NC and performing inspections of potentially hazardous shipments. Any discrepancies that were discovered at each location were logged, discussed with those involved in the discrepancies, and focus was on changing behavior to improve safer methods of shipment going forward.

#### Accomplishments:

This phase of the project involved a more streamlined version of the project whereby employees whom Shaw was to train had received a certain amount of training themselves. However, due to the transient nature of the project, procedures changed on a daily and even hourly basis, so educating employees on methods they had already learned was challenging yet necessary for the program's success. Similarly, tools that Shaw used in the previous phase of the project had since changed, therefore I needed to develop new directions myself to assist those I was working with.

#### Other Comments:

No comments

Sample Manager, Former LE Mason, Former LE Mason, Hyde Park, MA, 06/2007 - 09/2007
Sample manager at a site in Greater Boston. Activities included sampling in a 28-foot excavation analyzing soil for PCBs. During sampling event, high levels of VOCs were detected, which required the use of respirators when working in the excavation. A Certified Industrial Hygienist (CIH) was contracted at the site, and Shaw scientists coordinated with the CIH to monitor all air activities in the work space and to maintain safe working conditions without the presence of VOCs.

#### Accomplishments:

Sample manager at facility

<u>Field Scientist, SARRS MDU, Department of Environmental Protection, Northeast and Southeast Massachusetts, 02/2007 - 05/2007</u>

Project included traveling to various sites around Northeast and Southeast Massachusetts, compiling site sewer and stormwater data for an emergency responsiveness plan. Specifically, data was gathered

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regarding site-specific sewer and stormwater drainage and connections, their relativity to mass decontamination unit assemblage locations, and the potential for biohazardous material to impact local waterways.

#### Accomplishments:

Successfully initiated first program of its kind in the state.

#### **Awards/Client Commendations:**

None

Sample Manager, Polar Beverages, Polar Beverages, Worcester, MA, 09/2006 - 09/2006

Conducted indoor air sampling and soil vapor sampling at a facility in Worcester, MA. Managed the collection of indoor air via Summa canisters over 4 hour intervals. Additionally, conducted indoor soil vapor sampling at various locations throughout facility for the presence of volatile organic compounds (VOCs).

#### Accomplishments:

Managed collection of multiple air and soil vapor samples.

### Air monitor, Home Depot, Home Depot Inc., West Hartford, CT, 05/2006 - 05/2006

Coordinated with a Certified Industrial Hygienist to conduct personal air monitoring at a Home Depot for potential exposure to silica sand. Activities included affixing a personal air sampling pump to an employee and documenting employee's activities for an 8 hour shift. At the end of the shift, the charcoal filter cassette was shipped to an appropriate laboratory for analysis.

#### Accomplishments:

Coordination with IH

#### Sample Manager, AT&T, AT&T, Danbury, CT, 04/2006 - 04/2006

Conducted soil vapor monitoring at an AT&T facility in Connecticut. Activities included collecting several soil vapor samples over a two hour period to measure the presence of VOCs under a building slab.

#### Accomplishments:

Managed sample collection at AT&T facility.

### Auditor, Box auditing project, Confidential, Lafayette, LA, 02/2005 - 04/2005

Participated in Shaw Environmental & Infrastructure's Department of Transportation (DOT) hazardous materials auditing program for a large client. Weekly activities included traveling to various locations within a 50-mile radius in the greater Lafayette, LA area and performing inspections of potentially hazardous shipments. Any discrepancies that were discovered at each location were logged, discussed with those involved in the discrepancies, and focus was on retraining to develop optimally safer methods of shipping items.

#### Accomplishments:

Schedules changed on a daily basis, so it was important to be flexible, manage time accordingly, and develop strong communication with all those involved. Received positive feedback from all associates I worked closely with, and they commended my conduct on a company questionnaire that was later received by management.

#### Awards/Client Commendations:

Bonus certificate awarded; client approved subsequent phase of project.

#### Awards/Honors

Certificate of Bonus Award, Client Program Management, 2009 Certificate of Bonus Award, Office Business Line Manager, 2007 Sheila C. Barry 4

# **Publications/Presentations**

Sheila Barry and Jessica Danieli, Challenges Encountered During a Post Excavation Sampling Program for an Urban Brook Impacted with Polychlorinated Biphenyls, 2008 University of Massachusetts Amherst International Soils and Water Conference, Amherst, MA, 2008