J. Phase I ESA

3.1.4 Evaluation of Existing Conditions

J. PHASE I ENVIRONMENTAL SITE ASSESSMENT

Fuss & O'Neil Inc. conducted the Phase I Environmental Site Assessment associated with the Peebles and Bournedale Elementary School sites in Bourne.

Purpose: To identify recognized environmental conditions (RECs) present at the site with a focus on hazardous substances and/or petroleum products.

Tasks Performed: The following areas of focus were evaluated and reviewed as part of this study: Site history in regards to previous use and development, various area maps, town records from various departments, interviews and site walkthroughs with school facilities department, owner's site questionnaire, and general hydrological information

FINDINGS (PEEBLES):

- There is a 10,000-gallon fuel underground storage tank (UST) serving the back-up boiler
- There were documents related to an oil spill in 1995 in connection with the underground tank system.
 Additional documents, which were requested from the Fire Department, but have not been delivered, may complete the review on this item.
- · A spill of 17 gallons of diesel fuel occurred when refueling a bus on site and a solution was achieved
- The nearby Camp Edwards is on the USEPA National Priorities list identifying groundwater contamination.
 The impact area was studied on the maps and none of the impact area plumes migrated toward the site.
- · Nearby businesses, i.e. gas stations, did have incidents and solutions were achieved

CONCLUSION:

- 1. There is one identified recognized environmental condition (REC) associated with the subject site. The REC is the currently unresolved history of spills associated with the UST system. This REC item may be re-designated as a "historical REC" (i.e. a closed case addressed to the satisfaction of state environmental standards) in this evaluation at a later date pending review of Fire Dept. documentation.
- 2. There are no offsite concerns based on records addressing nearby businesses, i.e. gas stations, Camp Edwards distance from the site, and local hydrological conditions. These conditions should not have a negative impact on the site.

FINDINGS (BOURNEDALE):

- The 2009 Bournedale Elementary School project was greenfield construction
- · There are no target sites nearby that would negatively impact the school site
- The eastern portion of the site is located within and adjacent to a medium-yield aquifer. The aquifer map is along the property line and outside proposed project limits.

CONCLUSION:

- 1. There are no identified recognized environmental conditions (REC) associated with the subject site.
- 2. There are no offsite concerns based on distance from the site and local hydrological conditions that would have a negative impact on the site.

The full Phase I ESA report follows.

Phase I Environmental Site Assessment Peebles Elementary School 70 Trowbridge Road Bourne, MA

Flansburgh Architects, Inc.

December 2015



50 Redfield Street Suite 100 Boston, MA 02122



December 16, 2015

Mr. Kent Kovacs Vice President Flansburgh Architects 77 North Washington Street Boston, MA 02114

RE: Phase I Environmental Site Assessment

Peebles Elementary School

70 Trowbridge Road, Bourne, MA

Dear Mr. Kovacs:

We are pleased to submit the enclosed report of the Phase I Environmental Site Assessment (ESA) for the above-referenced site. The site assessment was conducted in conformance with the Standard Practice E 1527-13 for Environmental Site Assessments published by the American Society for Testing and Materials (ASTM, 2013). The results of our assessment are summarized in the attached report. We have identified one recognized environmental condition associated with the subject site. Our findings are summarized in the conclusions of our report (Section 7).

Note that ASTM E 1527-13 requires that certain elements of a Phase I ESA be updated if the data for the report is more than six months old. Therefore, if this report is to be relied upon after May 12, 2016, we recommend you contact us to discuss options.

In accordance with the requirements of the ASTM 1527-13 Standard, we declare that to the best of our professional knowledge and belief, we meet the definition of an environmental professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

317 Iron Horse Way Suite 204 Providence, RI 02908

Thank you for the opportunity to conduct this work. Please contact the undersigned if we can be of further assistance.

† 401.861.3070 800.286.2469

Sincerely,

f 401.861.3076

www.fando.com

Connecticut

Massachusetts

Rhode Island

Daniel C. LaFrance, PE Environmental Engineer Timothy J. Clinton, CPG Senior Hydrogeologist

South Carolina Enc

Enclosure Phase I ESA



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1 Introduction

Fuss & O'Neill, Inc. (Fuss & O'Neill) was retained by Flansburgh Architects, Inc. (Flansburgh Architects) to conduct a Phase I Environmental Site Assessment (Phase I ESA) of a portion of the property located at 70 Trowbridge Road in Bourne, Massachusetts (the Site or subject site). We understand that Flansburgh Architects is conducting a feasibility study for a possible restructuring of the Bourne Public Schools on behalf of the Town of Bourne (the Town). This Phase I ESA has been performed as part of the feasibility study.

1.1 Objective

The objective of this Phase I ESA was to identify recognized environmental conditions (RECs) present at the Site. As defined by Standard Practice for Environmental Site Assessments E 1527-13 developed by the American Society for Testing and Materials (ASTM, 2013), REC means:

...the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

1.2 Scope of Services

This Phase I ESA was performed using Standard Practice E 1527-13 for Environmental Site Assessments by the American Society for Testing and Materials (ASTM, 2013).

Unless otherwise stated in this report, assessments for asbestos-containing materials, PCB-containing building materials, lead-based paint or plumbing materials, radon gas, and mold were not conducted as part of this Phase I ESA. Furthermore, we did not investigate the potential for the Site to contain wetlands, endangered species, ecological resources or historic/cultural resources. Environmental compliance or permitting issues were not considered during this investigation.

Refer to *Appendix A* for the scope of work and restrictions of this ESA and to *Section 9* of this report for limitations on this work product. The qualifications of the Environmental Professionals and other staff involved in the preparation of this document are included in *Appendix B*.

2 Site Overview

2.1 Site Information

2.1.1 Property Location, Size of Parcel and Site Plan

The Site consisted of two separate areas, collectively totaling approximately 12 acres. One of the areas consisted of the Peebles Elementary School and its immediate vicinity (driveways, landscaping, etc.) while the second consisted of a series of fields to the southeast of the school. The subject site is located





on the south side of Trowbridge Road in a residential zone of Bourne, Massachusetts (Barnstable County), and consists of portions of the following six parcels owned by the Town of Bourne (the Town):

- Parcel 24.0-030.00, 3.2 acres
- Parcel 24.0-031.00, 46.0 acres
- Parcel 24.0-032.00, 18.8 acres
- Parcel 27.0-078.03, 1.8 acres
- Parcel 27.0-080.00, 4.2 acres
- Parcel 27.0-080.01, 10.7 acres

A portion of a United States Geological Survey (USGS) topographic map showing the subject site location is provided as *Figure 1*. A site plan is provided as *Figure 2*. The parcels comprising the subject site are occupied by multiple other town-owned facilities, including Bourne Middle School, Bourne High School, and associated athletic fields. These areas have been excluded from the "subject site" for this Phase I ESA.

The subject site has been owned by the Town since 1953. The subject site is occupied by a two-story school building, including approximately 55,000 total square feet on all levels, and associated parking areas, two maintenance garages (approximately 1,248 square-feet and 2,800 square-feet, respectively), and tennis courts.

Copies of the property description cards available at the Town of Bourne Tax Assessor's office are attached as *Appendix C*. A description of the Site developed during the site inspection is presented in *Section 6*.

2.1.2 Site Utilities

Water and Sewer

The school campus is served by a centralized wastewater treatment facility, located to the southeast of Peebles Elementary School on the eastern side of the site. A leach field is located east of the wastewater treatment facility. Peebles Elementary School was historically served by an individual septic system with a leach field to the east of the school building. The subject site is served by public water that was available to the Site via mainlines in Trowbridge Road.

Heat

The Site was heated via two steam boilers located in the northeastern portion of the main floor. At the time of this Phase I ESA, the main boiler was served by natural gas, and a second backup boiler was served by a 10,000-gallon fuel oil underground storage tank (UST) located west of the main entrance to the school, in the driveway loop. A 2007 registration certificate for the UST was provided by the Town as part of this Phase I ESA. However, further information regarding this UST, including the date of installation, was not identified in the Town records reviewed for this Phase I ESA.





Other Utilities

Electric, cable, and telephone services entered the subject site via overhead wires located in Trowbridge Road north of the site. A pole-mounted transformer was located on an electric pole east of the building.

2.1.3 Adjoining Land Use

Based on observations made during the site inspection and available mapping, properties adjoining the Site include the following:

| Address | Description | Direction from Subject Site |
|---|---|-----------------------------------|
| N/A (portion of school property excluded from this Phase I ESA) | Baseball diamond and landscaped areas and track field | South, east |
| Richardson Road | Massachusetts Military Reservation/Camp Edwards/Joint Base Cape Cod National Guard base complex | East |
| 75 Waterhouse Road | Bourne High School | East |
| 77 Waterhouse Road | Bourne Middle School | South |
| 70 Trowbridge Road | Bourne School District Maintenance Department | East |
| 50 MacArthur Boulevard | Battle's Buick GMC | East |
| 60 MacArthur Boulevard | Nissan of Bourne | East |
| 82 Trowbridge Road | Animal Health Clinic | North |
| Various | Residences | Northwest, west |

2.2 Environmental Setting

2.2.1 Physical Setting

Topography and Geology

The topography of the subject site sloped down from northwest to southeast. The regional topography generally slopes down to the north toward the Cape Cod Canal (USGS, 1977).

Surficial material at the subject site was mapped as smoothed Udipsamments and Plymouth loamy coarse sand (USDA, 2007). Plymouth loamy coarse sand consists of excessively drained loamy and sandy soils located on outwash plains, and smoothed Udipsamments consist of sandy soils which have been disturbed by cutting or filling.

Bedrock beneath the subject site was mapped as undivided granite, schist and gneiss (Zen, 1983). Depth to bedrock was not documented in the records reviewed for this Phase I ESA. However, groundwater investigations at the Massachusetts Military Reservation southeast of the site have indicated that the depth of bedrock in that area is greater than 100 feet.





Hydrology and Hydrogeology

Groundwater

In accordance with the Massachusetts Contingency Plan (310 CMR 40.0932), groundwater at the site was classified as GW-1 and GW-3 at the time of the Phase I ESA. All groundwater in the Commonwealth of Massachusetts is considered a potential source of discharge to surface water and shall be categorized, at a minimum, as category GW-3.

Groundwater is defined as GW-1 if the groundwater is located within a Current Drinking Water Source Area or a Potential Drinking Water Source Area. The Site was mapped within the Upper Cape Cod sole-source aquifer, an aquifer designated by the United States Environmental Protection Agency (USEPA) as the principal or primary source of drinking water in the area. The Site was not specifically mapped within a designated non-potential drinking water source area, and therefore has been inferred to be within a Potential Drinking Water Source Area.

Groundwater is additionally defined as GW-2 if the groundwater is located within 30 feet of an occupied structure and the average annual depth to groundwater in that area is 15 feet or less. Based on USGS topographic mapping, the ground elevation at the subject site is approximately 90 feet above mean sea level, and the subject site is located in proximity to the tidal Cape Cod Canal. Therefore, the anticipated depth to seasonal high groundwater is greater than 15 feet and GW-2 does not apply.

Based on USGS mapping and field observations of the local topography and surface water hydrology, the inferred groundwater flow direction is to the north, toward the Cape Cod Canal. No field sampling, piezometric mapping, or water level gauging was conducted by Fuss & O'Neill to confirm the inferred groundwater flow direction and depth.

Surface Water

The nearest surface water body, the Cape Cod Canal, was located approximately 2,000 feet north of the subject site (USGS, 1979). The Cape Cod Canal was inferred to be downgradient of the site, connecting between Buzzard's Bay at the southwest and Massachusetts Bay at the northeast. According to the Massachusetts Surface Water Quality Standards (314 CMR 4.06), the Cape Cod Canal was designated a Class SB surface water designated for shellfishing.

According to 314 CMR 4.05, Class SB surface waters are designated as a habitat for fish, other aquatic life and wildlife, including for their reproduction, migration, growth and other critical functions, and for primary and secondary contact recreation. In certain waters, habitat for fish, other aquatic life and wildlife may include, but is not limited to, seagrass. Where designated for shellfishing, these waters shall be suitable for shellfish harvesting with depuration (Restricted and Conditionally Restricted Shellfish Areas). These waters shall have consistently good aesthetic value.





2.2.2 Wetlands and Flood Zone Mapping

Based on the National Wetlands Inventory Map provided in the Environmental Data Resources (EDR) report included in *Appendix D* and the MassGIS Wetland and Wetland Change Areas Map, no mapped wetlands are located on the Site. Note that Fuss & O'Neill did not independently determine wetland boundaries or the presence of wetlands as part of this assessment.

Based on the Federal Emergency Management Agency (FEMA) Flood Maps 25001C0502J, no mapped floodplains are located on the Site.

2.2.3 Location of Public Water Supply Sources

Fuss & O'Neill used data available from the Office of Geographic Information, Commonwealth of Massachusetts, Information Technology Division (MassGIS), to obtain the information regarding public water supply wells and aquifer protection areas in the vicinity of the subject site. An interim wellhead protection area (IWPA) and a Zone II of a public water supply system (a portion of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated, as approved by the Department's Division of Water Supply pursuant to 310 CMR 22.00) were located approximately 5,000 feet north of the site, on the opposite side of the Cape Cod Canal. The Canal is an inferred hydrogeological divide between the subject site and these mapped public water supplies. No other public water supply sources were mapped within one mile of the subject site. According to MassGIS mapping, no USGS wells were located within one half-mile of the subject site.

2.3 Previous Environmental Investigations

During the completion of this Phase I ESA, no previous environmental investigations were provided to Fuss & O'Neill or identified in the available records.

3 Site History

The following sources were used to develop the history of the Site and, to the extent required by ASTM Practice E 1527-13, the nearby properties:

- City directories provided by EDR for the years 1984, 1988, 1992, 1995, 1999, 2003, 2008, and 2013
- Aerial photographs provided by EDR for the years 1951, 1966, 1970, 1977, 1980, 1985, 1993, 1995, 2006, 2008, 2010, and 2012.
- Historical USGS topographic maps provided by EDR for the years 1888, 1889, 1893, 1915, 1935, 1941, 1943, 1946, 1951, 1953, 1967, 1979, 2012.





- An interview with Mr. Les Wing, who has been a facility maintenance person for the Town since 1978.
- Files and personnel at the offices of the Town Administrator, Tax Assessor, Town Clerk, Planning Department, Health Department, and Building and Inspection Office.

Sanborn Fire Insurance mapping reviewed by EDR did not cover the area of the Site. Additionally, the Town of Bourne Fire Department did not respond to any requests for information pertaining to the Site, resulting in a "data failure" as defined by ASTM Practice 1527-13. The significance of this data failure is discussed in *Section 7.1* (Data Gaps).

The past uses of the Site and nearby properties based on the sources above are summarized below.

Site

Based on the information contained in the Town and historical records, the Site was undeveloped prior to the construction of the school in 1953. The building was visible in aerial photographs and topographic maps beginning in 1966.

Bourne High School, located immediately to the west of the Peebles School, was constructed in 1963, according to Town records. This area currently occupied by the Bourne Middle School was cleared for parking. Aerial photos from 1970 depicted tennis courts and baseball fields between Peebles Elementary and Bourne High School, as well as development of a track field southwest of Peebles; all in their current-day alignment.

Based on a review of the aerial photography, in the late 1970s, a wooded area southeast of the track was cleared for a baseball field. Between 1985 and 1993, aerial photos indicate that the wooded area separating the baseball field from the southernmost parking lot was cleared for the addition of an athletic field. Town records indicate that the Bourne Middle School was constructed in 2000. Also in 2000, a centralized wastewater treatment plant was constructed at the site, to treat sanitary wastewater from the schools.

Between 2006 and 2008, a wooded lot southeast of the Middle School was cleared for the construction of two additional athletic fields south of the Middle School. Also during this time, aerial photos show two trailers immediately southeast of the Peebles school, which according to Mr. Les Wing, were used as portable classrooms.

Based on the records identified above and additional information supplied by the Town Assessor's office, the Town or Town School Department has owned the subject site since at least 1953, when construction of the present-day school building commenced. Therefore, a chain of title documenting historic property transactions involving the site was not compiled for this Phase I ESA.

Nearby Properties

Prior to the late 1800s, the surrounding area was scarcely developed. In the early 1900s, the area surrounding the site was developed as a primarily residential neighborhood. The area which became the





Cape Cod Canal north of the site was historically a tidal riverbed called the Monument River. A series of railroad lines historically crossed the Monument River north of the site and extended towards the east. The Cape Cod Canal was constructed in the early 1900s and widened to its current alignment in the 1930s, with the construction of the Bourne Bridge, Sagamore Bridge, and raised rail bridge during the mid-1930s.

In 1936, development began on Camp Edwards / the Massachusetts Military Reservation, located east of the site. Camp Edwards has been operated since that time as a training and support facility for the US Army and subsequently Air Force, as well as the Massachusetts Army and Air National Guard. The site was added to the USEPA National Priorities List in the 1980s, following the identification of groundwater contaminant plumes migrating from the site toward nearby drinking water receptors. Additional information on the Camp Edwards remediation is provided below in *Section 4*.

4 Federal, State, and Local File Review

Files of Federal, State and local agencies were reviewed for environmentally-related issues pertinent to the subject site and nearby parcels, such as permits, inspection reports, enforcement history or documented releases of hazardous materials. The sources of information listed in the following table were researched to identify properties of concern within distances of the Site specified by ASTM Practice E 1527-13.

| Information Source* | Search Distance |
|---|------------------------|
| Federal Files | |
| National Priorities List (NPL) | 1 mile |
| Delisted NPL Sites | 0.5 mile |
| Resource Conservation and Recovery Act (RCRA) CORRACTS list (RCRA Site Subject to Corrective Action) | 1 mile |
| Resource Conservation and Recovery Act (RCRA) Treatment, Storage or Disposal Facility (TSDF) List | 0.5 mile |
| Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) List, including No Further Remedial Action Planned (NFRAP) sites | 0.5 mile |
| RCRA Generators List | property and adjoining |
| RCRA No Longer Regulated (NLR) List | property and adjoining |
| Federal Institutional / Engineered Control List | property only |
| Emergency Response and Notification (ERNS) List | property only |
| State Files | |
| Hazardous Waste Site List (State sites equivalent to NPL) | 1 mile |
| Hazardous Waste Site List (State sites equivalent to CERCLIS) | 0.5 mile |
| Landfill and Solid Waste Site | 0.5 mile |
| Leaking Underground Storage Tank (LUST) List | 0.5 mile |



| Information Source* | Search Distance |
|--|------------------------|
| State Voluntary Clean-up or Brownfield Sites | 0.5 mile |
| Oil & Chemical Spills Database | property and adjoining |
| Registered Underground Storage Tank (UST) List | property and adjoining |
| State Institutional / Engineered Control List | property only |

^{*}Fuss & O'Neill used Environmental Data Resources (EDR), an environmental database search service, to obtain the information referenced in the above table. EDR provides access to publicly available environmental databases maintained by various Federal, State, and local agencies. A copy of the information provided by EDR relative to the subject site and nearby properties is included in *Appendix D*. The listed information sources are defined and described in detail in the EDR report.

4.1 Summary of Regulatory Database Information

Site

As reported in the EDR Report in *Appendix E*, numerous properties were identified in the environmental databases within the minimum search radii required by ASTM Practice 1527-13. The following properties had documented release and were located in close proximity (i.e. within approximately 0.25 miles) to the Site. Pertinent information related to these properties, as documented in the EDR Report, is summarized below:

- The Site was listed as part of the SPILLS data base, which indicated there was a spill of #2 fuel
 oil from a UST that was reported in August 1995. Based on the information in the database,
 MassDEP assigned Release Tracking Number (RTN) 4-0011607 to this release, and the release
 was subsequently retracted.
- The Site was listed in the Tier 2 chemical inventory reporting database, required for facilities which process more than 10,000 pounds of hazardous materials (including petroleum products) per year. The database indicated that reporting was completed due to fuel oil for building heat, and that as of 2011, the facility had largely converted to natural gas, using fuel oil as a reserve heating source.

Nearby Properties

As reported in the EDR Report in Appendix E, several properties were identified in the environmental databases within the minimum search radii required by ASTM Practice 1527-13:

Bourne Rotary Texaco, 5 Bourne Rotary: A release of hazardous materials was reported at
this property on November 9, 1998. RTN 4-0014330 was issued by MassDEP in response to
this release. A Class A2 RAO was achieved for this release in November 2010, indicating that
remedial actions were conducted and, while contamination was not reduced to background
levels, a permanent solution was achieved.





- Cumberland Farms, 4 General MacArthur Boulevard: A spill of 28.5 gallons of diesel fuel and 1,500 gallons of petrol oil was reported at this property on April 12, 1995.
- Texaco FMR, 5 General MacArthur Boulevard: A release of diesel fuel from an underground storage tank (UST) was reported at this property on July 1, 1999. RTN 4-0014822 was issued by MassDEP in response to this release. According to the EDR Report, Response Action Outcome was not required for this release, indicating that the corresponding RTN was "linked" to an existing RTN pertaining to an additional, primary release at this property.
- Gulf Gas Station, Bourne Rotary: A release of hazardous materials was reported at this
 property on October 11, 1994. Release Tracking Number (RTN) 4-0010834 was issued by
 MassDEP in response to this release. A Class A2 RAO was achieved for this release in
 November 2006, indicating that remedial actions were conducted and, while contamination was
 not reduced to background levels, a permanent solution was achieved.
- Camp Edwards NPL Site: as introduced previously, Camp Edwards, located east of the subject site, is a National Priority List cleanup site. Additional information is provided below.

Based on their distance from the Site, and the local hydrogeological conditions, these off-site properties, except as described below, were not anticipated to have a negative effect on the Site. Furthermore, contamination which has migrated to the Site from an up-gradient source may not be the responsibility of the Site owner, solely due to ownership.

4.2 State File Review

Fuss & O'Neill reviewed files available from the MassDEP online file viewer to identify files applicable to the Site. No releases for properties adjoining the site were identified. For these reasons, additional review of state files was not warranted as part of this Phase I ESA. The following files pertaining to the site were reviewed:

- A spill of 17-gallons of diesel fuel the occurred while refueling a school bus was reported to
 MassDEP on April 7, 2000. Site number 4-0015411 was assigned by MassDEP in response to
 this release. A Class A-1 Response Action Outcome (RAO) was achieved for this release in
 June 2000, indicating that remedial actions were conducted, contamination was reduced to
 background levels, and a permanent solution was achieved.
- RTN 4-0011607 was issued by MassDEP in response to a spill of #2 fuel oil from an underground storage tank UST that was reported in August 1995. Further information regarding this spill was not identified on the MassDEP online file viewer. Additionally, Fuss & O'Neill contacted MassDEP's Southeast Regional Office regarding this release. However, no further information was provided.





4.3 Local File Review

Files and personnel at the offices of the Town Administrator, Tax Assessor, Town Clerk, Planning Department, Health Department, and Building and Inspection Office were queried regarding environmental concerns at the subject site and surrounding sites. The following information was included in the Town files for the site.

In November 1979, raw sewage was observed to have surfaced in the school septic leach field, located immediately southeast of the school. The Bourne Board of Health and the School Administration inspected the system in July 1980 and identified issues with the septic system. The inspection revealed that the system was operating over its capacity and was not constructed as designed. The files did not indicate that the septic system was repaired or the construction issues were resolved.

According to Mr. Les Wing, in 2000 the centralized waste water treatment plant was constructed to serve Peebles Elementary School, Bourne High School, and Bourne Middle School.

On November 17, 2015, Fuss & O'Neill requested files and information from the Bourne Fire Department. The request was reiterated during the week of December 1, 2015. To date, Fuss & O'Neill has not received a response and thus has not been able to review the files and information maintained by the Bourne Fire Department. This condition constitutes a "Data Gap" as described below in *Section 7.1*.

As described below in *Section 6.1*, Mr. Les Wing and Mr. Mike Pima from the Bourne School Department provided access to the building and guided the site inspection on December 4, 2015.

4.4 Federal File Review

Fuss & O'Neill reviewed a 2011 document, titled "Army Environmental Command, Impact Area Groundwater Study Program." The "Impact Area" consists of approximately 15,000 acres of the northern portion of the Camp Edwards facility, which was historically used for live-fire training and bombing exercises. Several distinct areas of contamination were identified within the historical ranges, and plumes of groundwater contaminated with propellants and explosives have migrated from these locations. The Impact Area Groundwater Study Program is tasked with the ongoing assessment and cleanup of groundwater at the northern end of Camp Edwards.

The United States Army has been performing cleanup actions, involving the removal of sources (soil, debris and unexploded ordnance) and collection and treatment of groundwater since approximately 2004. Based on the mapping provided in the 2011 document, none of the impact area plumes have migrated toward the site, with the nearest impacts being in the "Northwest Corner," approximately one half-mile east of the site. Based on the proximity of these plumes to the subject site, and the source and migration controls in-place, these conditions are not anticipated to negatively affect the subject site.





5 User-Provided Information

ASTM Practice E 1527-13 describes certain tasks to be performed by the user of this assessment that will help to identify RECs at the Site if they exist. ASTM Practice 1527-13 defines the user as "the party seeking to use Practice E 1527 to complete an environmental site assessment of the property." Users can include a potential purchaser or tenant of the Site, a lender, a property manager, or a Site owner.

We provided Mr. Ed Donahue of the Town of Bourne Public Schools with a User Questionnaire. A copy of the completed questionnaire is provided in *Appendix F* and was used to address the items in the subsections below.

5.1 Record of Environmental Liens of Activity and Use Limitations

Chain of title and title restriction records filed under federal, tribal, state or local law contain records of environmental liens or activity and use limitations (AULs). Mr. Donahue reported that he had no actual knowledge of an environmental lien or AUL recorded against the property.

In addition, Fuss & O'Neill reviewed MassDEP files to identify recorded AULs. No evidence of an AUL was identified for the subject site, based on available information.

5.2 Specialized Knowledge or Experience of the User

Mr. Donahue reported that he had no specialized knowledge with respect to the Site or activities conducted at the Site.

5.3 Commonly Known or Reasonably Ascertainable Knowledge

Mr. Donahue reported that he was aware the Site was unimproved land prior to the construction of the school. He was aware of commercial grade cleaning products and heating oil at the Site

5.4 Property Valuation, Reduction for Environmental Issues

Mr. Donahue reported that the property was not subject to a pending transaction and did not comment on a property valuation.





6 Site Reconnaissance and Interviews

6.1 Interviews

Owner/Key Site Manager

This assessment included an interview with Mr. Les Wing, and Mr. Mike Pima of the Bourne Public Schools. Ms. Jordyn Mallett of Fuss & O'Neill interviewed both men on December 4, 2015 during the Site inspection. Both men are facility maintenance workers for the Bourne school system. Mr. Wing has been in this position since 1978. Information provided by them is presented below and in previous sections of this report.

- Mr. Pima identified several areas that contained asbestos containing materials (ACM) throughout the school building. He indicated that the ACM at the site had been identified and labelled.
- Both Mr. Wing and Mr. Pima stated that they were unaware of any spills or releases of hazardous materials or petroleum products at the Site.
- According the Mr. Pima, the southeastern portion of the building had experienced settling. Mr. Pima stated that he believed the southeastern portion of the lot had been historically filled. The maintenance staff at the school had recently (within the past year) performed work on the southeastern face of the school in response to damage on the brick face as a result of the building settling. Mr. Pima estimated that the building had settled an additional inch within the past year, as evidenced by cracking on the building's interior stairways.

6.2 Site Reconnaissance

The site reconnaissance was conducted on December 4, 2015 by Jordyn Mallett, of Fuss & O'Neill, accompanied by Mr. Mike Pima and Mr. Les Wing, facility maintenance workers for the Town school system. The site reconnaissance included a physical observation of the building and grounds, including the school building interior and the grounds surrounding the building.

There were several wooded areas on the Site; immediately north of the tennis courts and immediately south of the playground. The wooded areas were observed from the cleared grounds immediately adjacent to these areas.

Photographs taken during the site inspection are presented in *Appendix G*.

Site Description

The Site consisted of two areas, collectively totaling approximately 12 acres, on the southern side of Trowbridge Road. The northern area was improved with the school building, an asphalt-paved parking area, tennis courts, a playground, and two facility grounds buildings. The southern area consisted of a





grassy field. Access to the Site was provided via an unnamed road off of Trowbridge Road. Portions of the Site northwest of the tennis courts and southeast of the playground were unimproved and forested.

Refer to Figure 2 for a site plan.

School Building

The school building was divided into two above-ground stories, and an attic. The ground floor was occupied by a series of classrooms on the southeastern and eastern sides, the cafeteria and associated kitchen on the northeastern side, and the boiler room on the western side. A closed off crawl space ran along the northern face of the building. The first floor of the building is occupied by a gym and auditorium on the northeastern side, a library and classrooms on the eastern side, and classrooms throughout the southern side. Administrative offices were located in the center of the first floor. Site plans and a map of the building are included in *Appendix C*.

The boiler room was located on the ground floor and housed two boilers; one oil fired boiler that is used only for emergency purposes, and a natural gas fired boiler that is used in normal operating conditions. The oil fired boiler was covered in asbestos containing materials (ACM). An unused condensate tank was also present in this room and was covered in ACM. A crawl space extended from the southwestern corner of the boiler room along the western face of the building. There was storage of various paint containers and some general maintenance chemicals, all five gallons or less. The floor was concrete and in good condition with no visible evidence of staining.

There were two custodial rooms (one on each floor) that housed general cleaning chemicals and equipment.

The top floor of the building consisted of an attic. At the time of the Phase I ESA inspection, the attic was utilized for general storage, and contained spare office and classroom equipment. No chemical storage was identified in the attic.

Grounds

The grounds of the Site generally consisted of the following areas:

- The area around the building consisted of the following:
 - o two paved parking lots north and east of the school building
 - o tennis courts west of the school,
 - o a wooded area to the north of the tennis courts,
 - o a grassy open area bounded by the school, tennis courts, and Trowbridge Road,
 - o a small wooded area immediately south of the playgrounds on the southern paved area
- A second area to the southeast of the school consisted of a contiguous grassy area comprised of two baseball fields and two soccer fields.





Based on information obtained from the Town Health Department, the septic system leach field was historically located immediately east of the eastern parking lot associated with the school, in the location depicted on *Figure 2*.

There were two parking areas on the Site; one used for visitor parking that was located on the northern portion of the site, and one used for faculty and staff on the eastern portion of the site. The eastern parking lot also housed a trailer that had been previously used as temporary classrooms, but was being used for equipment storage at the time of this Phase I ESA. A paved bus turnaround and drop off area was located immediately northwest of the school. There was a large open area on the southern portion of the site that was mostly paved with the exception of a mulched playground on the southernmost portion. The asphalt was in good condition site wide.

There were two maintenance buildings on the site. The eastern building was used for storage of gas powered mowing and grounds keeping equipment. The northeastern building was used for more general storage and maintenance. According to Mr. Wing and Mr. Pima, both had concrete floors in good condition with no visible evidence of spills or staining. The northern most building was not visually inspected during the site inspection.

The athletic fields south east of the site were all mowed and well maintained. The leach field for the wastewater facility was located in the northwestern corner of the eastern baseball field.

Adjoining Properties

Properties adjacent to the subject site included the Bourne High School and Middle School and associated parking areas to the south and southwest, residences to the northeast, a track field to the east, and an animal hospital to the north. No RECs associated with the adjacent properties were identified at the site.

6.3 Non-Scope Considerations

We understand that a hazardous building material assessment was conducted as part of the feasibility analysis and was submitted under a separate cover. We did not specifically investigate the potential for the Site to contain wetlands, endangered species, ecological resources or historic/cultural resources. These items would likely present little risk to subsurface conditions and would not result in the identification of RECs; however, they could be liabilities especially during construction, renovation, or demolition projects. Additionally, environmental compliance or permitting issues were not considered during this investigation.

7 Data Gaps, Findings and Conclusions

7.1 Data Gaps

Standard Practice E 1527-13 requires the identification and evaluation of data gaps, which are defined as a lack of or inability to obtain information required by the practice despite good faith efforts by the





environmental professional to gather such information. Data gaps identified during the completion of this investigation included the following:

• As mentioned previously, records from the Town Fire Department were unable to be reviewed. Due to this, sufficient information, specifically related to the UST historically used for the storage of heating oil for the boiler systems, was not able to be reviewed. Therefore, the lack of information was considered to have a significant impact on our ability to identify RECs at the subject site and is considered to be a significant data gap.

7.2 Findings and Conclusions

Fuss & O'Neill, Inc. prepared this Phase I ESA report in general conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deletions from, this practice are described in *Appendix A* of this report.

7.2.1 Identified RECs

This assessment has revealed no RECs in connection with the Site, except for the following

• Historic Heating Fuels and UST: According to Town records, the site building has historically been heated using fuel oil, which is stored in a UST. Based on information contained in the EDR search, a release of fuel oil was identified in 1995 in connection with a UST removal. No further information was available from either MassDEP or the Bourne Fire Department to evaluate whether this condition was appropriately managed; while the state spill file was listed as a "Closed Case," no evidence of a UST closure assessment or a Permanent Solution Statement was identified in the available records. The use and storage of these heating fuels and the related historical operation of a UST at the site may have resulted in a release of oil and/or hazardous materials at the site.

Historical RECs

ASTM 1527-13 defines historical RECs (HRECs) as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls). No HRECs were identified in connection with the subject site.

Controlled RECs

ASTM 1527-13 defines controlled CRECs (CRECs) as an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a "No Further Action" letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property





use restrictions, AULs, institutional controls, or engineering controls). No CRECs associated with the Site were identified.

7.2.2 Potential Off-Site Concerns

No off-site concerns which would be considered RECs for the Site were identified.

7.2.3 Appropriateness of Investigations

Fuss & O'Neill has followed the guidelines described in ASTM E1527-13 to identify the RECs at this Site in a manner consistent with standard practice in the industry. However, as indicated in the ASTM standard, "No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, and the practice recognizes reasonable limits of time and cost."

In accordance with *Section 12.6.1* of ASTM Standard Practice E 1527-13, the appropriateness of additional investigations necessary to determine the presence or absence of identified RECs was evaluated. Based on the opinion of the Environmental Professional, no additional investigation would be necessary to confirm that the REC identified above is a REC. However, additional information may potentially indicate that the UST release was addressed to the satisfaction of MassDEP, thereby meeting the definition of HREC and no longer constituting a REC.





References

American Society for Testing and Materials, 2013, Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process: ASTM Practice E 1527-13.

Army Environmental Command, 2011. Impact Area Groundwater Study Program Update.

Fuss & O'Neill Inc., 2012. Phase I Environmental Site Assessment, Former Coady Junior High School, Bourne, Massachusetts, November 2012.

Fuss & O'Neill Inc., 2012. Limited Phase II Environmental Site Assessment, Former Coady Junior High School, Bourne, Massachusetts, May 2013.

Massachusetts Department of Environmental Protection, 2014, 310 CMR 40.0000: Massachusetts Contingency Plan.

Massachusetts Department of Environmental Protection, 2007, 314 CMR 4.00: Surface Water Quality Standards.

Office of Geographic Information, Commonwealth of Massachusetts, Information Technology Division (MassGIS), 2013; via http://maps.massgis.state.ma.us/map-ol/oliver.php, accessed October, 2015.

USGS, 2012. Pocasset Quadrangle, Massachusetts, 7.5-Minute Series Topographic Map; United States Department of the Interior, U.S. Geological Survey, 1979.

Zen, Ean, 1983. Bedrock Geologic Map of Massachusetts; United State Department of the Interior, U.S. Geological Survey, in cooperation with the Commonwealth of Massachusetts Department of Public Works and Joseph A. Sinnot, State Geologist.





8 Limitations of Work Product

This document was prepared for the sole use of Flansburgh Architects, the only intended beneficiaries of our work. Those who may use or rely upon the report and the services (hereafter "work product") performed by Fuss & O'Neill, Inc. and/or its subsidiaries or independent professional associates, subconsultants and subcontractors (collectively the "Consultant") expressly accept the work product upon the following specific conditions.

- 1. Consultant represents that it prepared the work product in accordance with the professional and industry standards prevailing at the time such services were rendered.
- 2. The work product may contain information that is time sensitive. The work product was prepared by Consultant subject to the particular scope limitations, budgetary and time constraints and business objectives of the Client which are detailed therein or in the contract between Consultant and Client. Changes in use, tenants, work practices, storage, Federal, state or local laws, rules or regulations may affect the work product.
- 3. The observations described and upon which the work product was based were made under the conditions stated therein. Any conclusions presented in the work product were based solely upon the services described therein, and not on scientific or engineering tasks or procedures beyond the scope of described services.
- 4. In preparing its work product, Consultant may have relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available at the time of the project. To the extent that such files which may affect the conclusions of the work product are missing, incomplete, inaccurate or not provided, Consultant is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, Consultant did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this project. Consultant assumes no responsibility or liability to discover or determine any defects in such information which could result in failure to identify contamination or other defect in, at or near the site. Unless specifically stated in the work product, Consultant assumes no responsibility or liability for the accuracy of drawings and reports obtained, received or reviewed.
- 5. If the purpose of this project was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes as defined in the work product, unless otherwise noted, no specific attempt was made to check the compliance of present or past owners or operators of the subject site with Federal, state, or local laws and regulations, environmental or otherwise.
- 6. If water level readings have been made, these observations were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in water levels may occur due to variations in rainfall, passage of time and other factors and such fluctuations may effect the conclusions and recommendations presented herein.





- 7. Except as noted in the work product, no quantitative laboratory testing was performed as part of the project. Where such analyses have been conducted by an outside laboratory, Consultant has relied upon the data provided and, unless otherwise described in the work product, has not conducted an independent evaluation of the reliability of these tests.
- 8. If the conclusions and recommendations contained in the work product are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) have been reviewed and interpretations made by Consultant. If indicated in the work product, some of these data may be preliminary or screening-level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time and other factors.
- 9. Chemical analyses may have been performed for specific parameters during the course of this project, as described in the work product. However, it should be noted that additional chemical constituents not included in the analyses conducted for the project may be present in soil, groundwater, surface water, sediments or building materials at the subject site.
- 10. Ownership and property interests of all documents, including reports, electronic media, drawings and specifications, prepared or furnished by Consultant pursuant to this project are subject to the terms and conditions specified in the contract between the Consultant and Client, whether or not the project is completed.
- 11. Unless otherwise specifically noted in the work product or a requirement of the contract between the Consultant and Client, any reuse, modification or disbursement of documents to third parties will be at the sole risk of the third party and without liability or legal exposure to Consultant.
- 12. In the event that any questions arise with respect to the scope or meaning of Consultant's work product, immediately contact Consultant for clarification, explanation or to update the work product. In addition, Consultant has the right to verify, at the party's expense, the accuracy of the information contained in the work product, as deemed necessary by Consultant, based upon the passage of time or other material change in conditions since conducting the work.
- 13. Any use of or reliance on the work product shall constitute acceptance of the terms hereof.





Figures

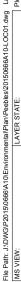


BOURNE

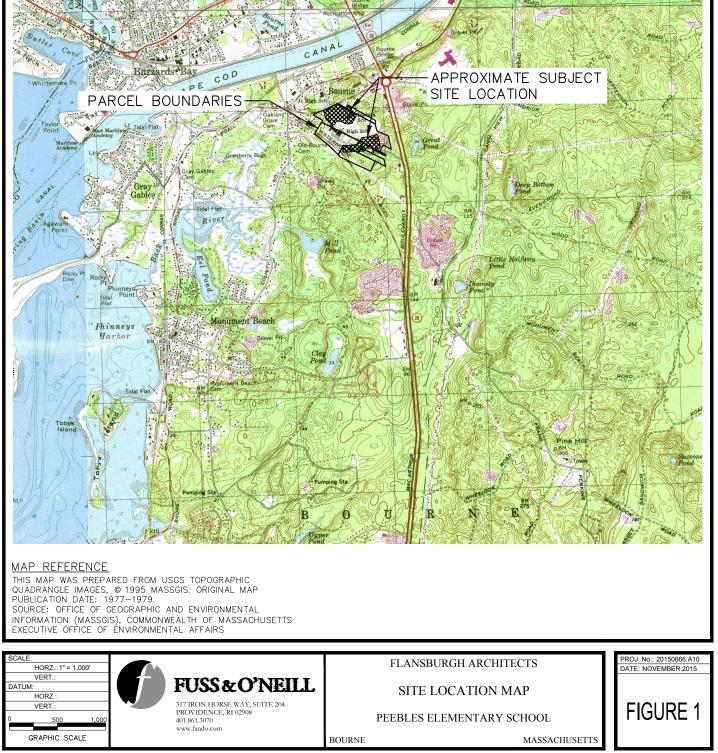
Buttermilk

Bay

Buzzards Bay







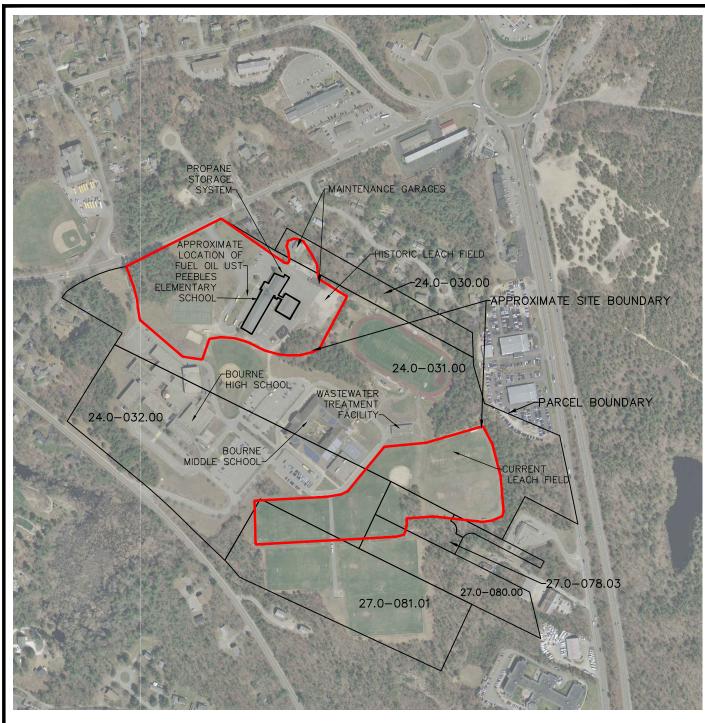
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AIR

OTIS







MAP REFERENCE

SOURCE: OFFICE OF GEOGRAPHIC AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS. 2013/2014

LEGEND

27.0-081.01

TAX PARCEL NUMBER



FLANSBURGH ARCHITECTS

SITE PLAN

PEEBLES ELEMENTARY SCHOOL

BOURNE MASSACHUSETTS PROJ. No.: 20150666.A10 DATE: DECEMBER 2015

FIGURE 2



Appendix A

Scope of Work and Restrictions



ALL APPROPRIATE INQUIRY PHASE I ESA SCOPE OF WORK

Fuss & O'Neill uses Standard Practice E 1527-13 as general standard for conducting Phase I ESAs. For consistency, this scope of work is generally presented based on the outline of our standard Phase I ESA report. The descriptions of the procedures and sources for obtaining the information for each section follow the section headings. As specified by Standard Practice E 1527-13, the scope of work described below allows for use of professional judgment to determine the extent to which specific sources are reviewed.

Unless otherwise specified, the following items are not considered in the course of completing an ASTM E 1527-13 Phase I ESA:

- Asbestos, Lead (paint/plumbing), Radon, Mold, Fluorescent Light Ballasts
- Wetlands, Ecological Resources, Historical/Cultural Resources
- Regulatory and Health & Safety Compliance
- Endangered species

These items typically present little environmental risk to the grounds of a site; however, these items may be liabilities during property transfer, regulatory audits, construction, renovation, or demolition projects.

1.0 Introduction

The objective of the ESA and the party that this ESA was conducted for are identified in this section.

2.0 Site Overview

2.1 Site Information

2.1.1 Property Location, Size of Parcel, and Site Plan

Review of USGS topographic maps, local assessor and zoning maps and property description cards, field observations and sketches, and, if available, plans provided by a contact for the subject site. A site plan is included that is derived from these sources.

2.1.2 Potable Water Supply and Sewage Disposal

Query the local Department of Public Works, local Engineering Department, appropriate local utilities, and/or other local municipal sources and/or a knowledgeable site contact.

2.1.3 Adjoining Land Use

Site reconnaissance and assessor's mapping.

2.2 Physical Setting of Site

2.2.1 Geologic and Physiographic Setting

Site reconnaissance, USGS topographic maps, and available geological maps.

2.2.2 Groundwater

Site reconnaissance, USGS topographic maps, and 310 CMR 40.0000 (the Massachusetts Contingency Plan).

2.2.3 Surface Water

Site reconnaissance, USGS topographic maps, and 314 CMR 4.00 (MassDEP Surface Water Quality Standards).

2.2.4 Location of Public Water Supply Sources

Site reconnaissance and mapping available in local departments gueried as part of the ESA.

2.3 Previous Environmental Investigations



Provided by the appropriate site contact or identified by other means during the course of conducting the ESA.

3.0 Site History

Site reconnaissance, knowledgeable site contacts, aerial photographs available from MassGIS, Sanborn fire insurance maps and street directories provided by an environmental database search service (note that street directories are reviewed at approximately five year intervals, but may be reviewed at smaller intervals for multi-tenant properties), and local municipal sources (local municipal Building Department, Engineering Department, Planning and Zoning Department, Health Department, and Fire Marshal).

4.0 Federal, State, and Local File Review

4.1 Summary of Regulatory Database Information

Regulatory databases specified by Standard Practice E 1527-13 are reviewed using an environmental database search service.

The report provided by the environmental database search service is reviewed in detail. Sites that are inferred to present a significant risk to adversely impact the subject site are identified and explained within the ESA report. However, sites inferred to pose little risk to adversely impact the subject site are disclaimed within the attached environmental database search report.

4.2 MassDEP File Review

Limited MassDEP file information is provided for the subject site and nearby properties in an environmental database search report. Reviews of files located at MassDEP Regional offices are not conducted unless specifically requested.

If a file review is to be conducted, files for the subject site and/or nearby properties are requested from the appropriate MassDEP Regional office. If available, these files are reviewed for pertinent information, which is either copied or noted.

4.3 Local File Review

Files for the local municipal Tax Assessor, Building Department, Planning and Zoning Department, Health Department, and Fire Marshal are reviewed.

5.0 User Provided Information

Information provided by the user as required by the practice is discussed in this section

6.0 Site Reconnaissance, Interviews and Non-Scope Considerations

Field observations the results of required interviews are discussed in this section. In addition, surveys conducted to identify non-scope considerations are addressed.

7.0 Data Gaps, Findings and Conclusions

Data gaps relevant to the identification of recognized environmental conditions are discussed. In addition, recognized environmental conditions are summarized in this section as well as recommendations for further investigation, if appropriate.

8.0 References

References used as part of the ESA are presented here.

RESTRICTIONS: EXCEPTIONS TO OR DELETIONS FROM THE SCOPE OF WORK

The Bourne Fire Department did not provide their environmental files for review for this report.



Appendix B

Qualifications of Environmental Professionals



Qualifications of Environmental Professionals and Staff Scientists and Engineers

Environmental Professionals

| Employee | Title | Education | Years Experience | Licenses |
|-----------------------|------------------------|--|------------------|------------------------|
| John A. Chambers | Senior Vice President | BS Geology MS Civil Engineering | 26 | CPG, PG, LSP |
| Patrick J. Dowling | Senior Project Manager | BS Geology | 17 | CPG |
| Timothy F. Keane | Associate | BS Civil Engineering | 24 | PE, LSP |
| Brian E. Kortz | Project Manager | BS Geology MS Geology | 13 | CPG, CNU-A |
| Timothy J. Clinton | Senior Hydrogeologist | BS Geology MS Environmental Geochemistry | 10 | CPG |
| Dustin A. Diedricksen | Project Manager | BS Environmental Management MA Environmental Management | 12 | Asbestos Consultant |
| Daniel C. LaFrance | Environmental Engineer | BS Civil Engineering MS Environmental Engineering | 7 | PE |

Staff Scientists and Engineers

| Employee | Title | Education | Years Experience | Licenses |
|-------------------------|--------------------------|---|------------------|------------------------|
| Jonathan Hand | Environmental Technician | BS Physics | 7 | Asbestos Consultant |
| Patricia H. Gagnon | Hydrogeologist | BS Geosciences MS Environmental Science | 5 | |
| Adam Finkelman | Environmental Scientist | BS Environmental Studies MS Environmental Science | 1 | |
| Christopher M. McIntyre | Environmental Technician | BA Environmental Science MS Environmental Science | 2 | |
| Jordyn E. Mallett | Environmental Engineer | BS Environmental Engineering | 1 | EIT |

BS: Bachelor of Science CPG: Certified Professional Geologist PG: Professional Geologist (New Hampshire)

BA: Bachelor of Arts LSP: Licensed Site Professional (Massachusetts)

PE: Professional Engineer (RI, MA and/or NH)

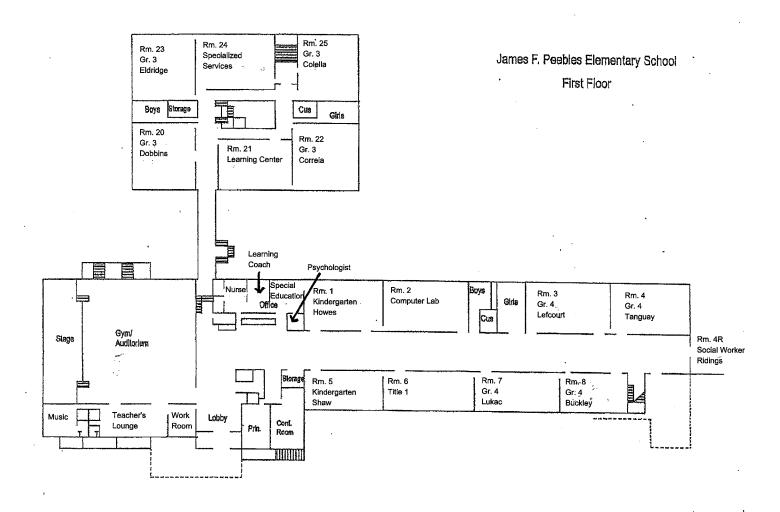
CNU-A: Accredited Member – Congress for the New Urbanism

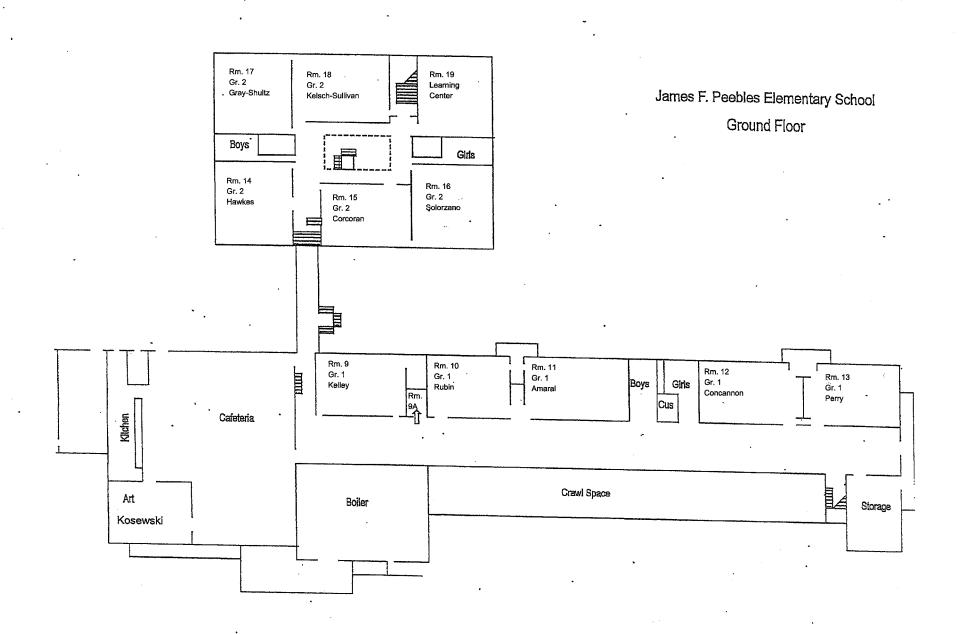
MS: Master of Science MA: Master of Arts EIT: Engineer in Training



Appendix C

Town of Bourne File Information







The Commonwealth of Massachusetts

Department of Public Safety --- Division of Fire Prevention 1010 COMMONWEALTH AVE., BOSTON

REGISTRATION

| UNDERGROUND | | | | ABOVE GROUND | | | |
|-------------|-----------|----------|----------|--------------|-----------|---|----------|
| # of Tanks | Tank Size | | Contents | # of Tanks | Tank Size | | Contents |
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Bourne

This is to certify that TOWN OF BOURNE has, in accordance with the provisions of Chapter 148, Section 13, of the General Laws, filed with me a certificate of registration setting forth that TOWN OF BOURNE is the holder of the license granted TOWN OF BOURNE for the lawful use of the building(s) or other structure(s) situated or to be situated at PEEBLES ELEMENTARY SCHOOL-

TROWBRIDGE RD

As related to the KEEPING, STORAGE, MANUFACTURE OF SALE OF INFLAMMABLES OF EXPLOSIVE

Note: A certificate of registration must be filed on or before April 30th of each year

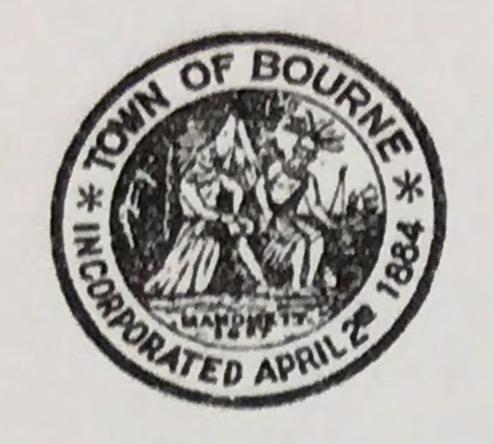
(THIS REGISTRATION MUST BE CONSPICUOUSLY POSTED ON THE PREMISES.)

.04/11/07 2:03 PMP:\Routing Slips\Clerks Storage Tanks\EXEMPT\T OF B PEEBLES.doc

Town of Bourne - Fiscal Year 2015 Key: 4901 11/6/2015 9:45 am SEQ# LOCATION DESCRIPTION BN CARD DIA CURRENT OWNER PARCEL ID CLASS CLASS% BNID IMP, EDUCATION 70 TROWBRIDGE RD **TOWN OF BOURNE** 24.0-31-0 9340 100 1 of 3 AMOUNT INSPUT BY JAMES F PEEBLES ELEM SCHOOL TRANSFER HISTORY DOS T SALEPRICE BK-PG (Cert) PMT NO AS PMT DT TY DESC 48t - 1 % 24 PERRY AVE TOWN OF BOURNE 03/03/1953 E 835-457 06351 06/12/2006 3 ALT/RENO 2,700 05/31/2007 SM 100 100 **BUZZARDS BAY, MA 02532** 2 ADDITIONS 53 292 05/31/2007 SM 100 100 05023 01/11/2005 04/03/2003 4 OUT BUILDING 5,000 05/31/2007 SM 100 100 03179 100 100 05/17/2001 7 SIGN 1,995 05/31/2007 SM 01263 ADJ BASE SAF LDI VC GREDITAMT ADJ VALUE AC/SF/UN Nbhd Infi1 N Index Topo CD IT 11/24/1997 3 ALT/RENO 107,000 03/02/1999 JS 0 100 970591 1.00 75 757,140 103 66,786 C-5 1.00 100 1.00 100 1.00 493,830 1.00 A 1.35 5.000 C-5 1.00 100 1.00 100 1.00 1.00 A 1.00 75 1.35 864,680 203 172,935 1.00 75 975,030 39,467 C-5 1.00 100 1.00 100 1.00 24,705 1.00 A 1.35 303 A TOTAL ZONING 1 FRNT 46,000 Acres ASSESSED CURRENT **PREVIOUS** 2.633.800 LAND 2,596,900 Nond BOURNE 4.293,100 BUILDING 4.358,100 Infi1 AVG DETACHED 137,300 137,300 OTHER 647,600 655,200 N Index **AVG** TOTAL 7,784,400 7,674,900 102 PHOTO [11/24/2000] TY QUAL COND DIM/NOTE YB UNITS ADJ PRICE RCNLD] PAV 1.00 30 0.70 60,000 1.00 42,000 ÌΑ DGF A 1.00 20 0.80 26 X 79 2,054 27.24 44,800 D C06 A 1.00 30 0.70 300 8.28 1,700 1.00 30 0.70 10 X 12 120 13.52 1,100 SHF Α SP1 Α 1.00 20 0.80 10 X 18 180 65.00 9.400 SHF Α 1.00 10 0.90 10 X 20 200 13.13 2.400 86 (B) C LH1 -21 23 · A 1.00 20 0.80 3 700.00 1.700 228 H C10 Α 1.00 30 0.70 720 11.04 5,600 BAS SHF Α 1.00 30 0.70 10 X 12 120 13.52 1.100 24 D SW1 A 1.00 10 0.90 34X60 2.040 15.00 27.500 24 (E) OPA 47, (C) BLDG COMMENTS BUILDING CD ADJ DESC MEASURE MJ SCHOOL BLDG 7/14/2004 MODEL 5 CIM-5 3.20 SCHOOLS [100%] LIST 7/14/2004 MJ STYLE 96 QUALITY 1.00 AVERAGE [100%] REVIEW 7/14/2004 MJ U FRAME 1.00 MASONRY [100%] ELEMENT V CD DESCRIPTION ADJ SBAT DESCRIPTION UNITS YE ADJPRICE RCN. TOTAL RCN 1970 SIZE ADJ 1.000 6,504,667 YEAR BLTV 55,191 DETAIL ADJ FOUNDATION 2 SLAB 1.00 + BAS L BASE AREA 27,849 1970 125.79 3.503.061 CONDITION ELEM CD NET AREA 3.321 EXT. COVER 12 BRICK VENEER 1.05 + OPA N OPEN PORCH 1,427 12.00 17.120 EXTERIOR SNLA(RCN) \$118 OVERALL 1.015 ROOF SHAPE GABLE N ATT SHED 1.00 D ASH 528 16.63 8.779 INTERIOR CAPACITY UNITS ADJ ASPH/CMP SHIN 1970 ROOF COVER 1.00 USF UP-STRY FIN 27.342 106.77 2.919.273 CDN/APP FLOOR COVER VINYL 5 1.00 FIP O PASSGR, ELEV. 28,217,00 56.434 **STORIES** 1.00 2 DRYWALL 100 1.00 INT. FINISH 2 1.00 % HEATED HEATING/COOL 2 HOT WATER 1.02 % AIR COND 1.00 GAS FUEL SOURCE 2 1.00 100 1.02 % SPINKLERS NAF 0 1.00 EFF.YR/AGE 1970 / 43 COND 34 34% **FUNC** 0 **ECON** 0 **DEPR** 34 % GD 66 RCNLD \$4,293,100

Town of Bourne - Fiscal Year 2015 Key: 4901 SEQ# 11/6/2015 9:45 am HOMEOCATION ... CURRENT OWNER CONSTRUCT PARCEL ID CLASS CLASS% DESCRIPTION 2007 BN BN CARD 100 IMP, EDUCATION TOWN OF BOURNE 24.0-31-0 70 TROWBRIDGE RD 9340 2 2 of 3 JAMES F PEEBLES ELEM SCHOOL PMTNO PMTDT TY TRANSFER HISTORY DOS T SALE PRICE BK-PG (Cert) DESC AMOUNT INSP 1 BY 1 St 1 % 24 PERRY AVE **BUZZARDS BAY, MA 02532** Topa N Index I ADJ BASE SAF CE IT AC/SP/UN I NENd infit Lbi VC GREDITAMT ADJ VALUE N TOTAL ZONING FRNT ASSESSED CURRENT PREVIOUS LAND Nbhd BUILDING 148.600 Infl1 DETACHED 48 OTHER N Index TOTAL (A) BAS BMU TY QUAL COND DIM/NOTE: YB UNITS ADJ PRICE RCNLD PHOTO E C Н E BLDG COMMENTS BUILDING CD ADJ DESC MEASURE 7/14/2004 MJ MODEL 5 CIM-5 STYLE 3.20 SCHOOLS [100%] LIST 7/14/2004 ΜJ 96 QUALITY Α 1.00 AVERAGE [100%] REVIEW 7/14/2004 MJ FRAME 1.00 WOOD FRAME [100%] CD ELEMENT DESCRIPTION ADJ S BAT T DESCRIPTION UNITS YB ADJ PRICE RCN TOTAL RCN: YEAR BLT 1970 SIZE ADJ 1.000 1,248 DETAIL ADJ 2.584 **FOUNDATION** 4 FLR & WALL 1.00 A BMU N BSMT UNF 1,248 13.64 17,023 CONDITION BLEM CD NETAREA EXT. COVER WOOD SHINGLE 1.00 Α BAS L BASE AREA 1,248 1970 206,192 EXTERIOR 165.22 **SNLA(RCN)** \$180 OVERALL 1.000 ROOF SHAPE GABLE 1.00 BMG O BMU GAR 624.00 1,872 INTERIOR CAPACITY UNITS ADJ ROOF COVER ASPH/CMP SHIN 1.00 CDN/APP FLOOR COVER 2 SOFTWOOD 0.95 **STORIES** 1.00 INT. FINISH 6 MINIMUM 0.95 % HEATED 100 1.00 HEATING/COOL 7 FLR/WALL UNIT 0.95 % AIR COND 0 1.00 1.00 FUEL SOURCE 2 GAS 1.00 % SPINKLERS NAF 0 1.00 EFF.YR/AGE 1970 / 43 COND 34 34% FUNC **ECON** 0 34 % GD DEPR RCNLD \$148,600

Town of Bourne - Fiscal Year 2015 Key: 4901 11/6/2015 9:45 am SEQ# **CURRENT OWNER** PARCEL ID LOCATION CLASS CLASS% DESCRIPTION BN BN ID CARD 24.0-31-0 70 TROWBRIDGE RD 9340 100 IMP,EDUCATION 6 3 3 of 3 TOWN OF BOURNE JAMES F PEEBLES ELEM SCHOOL TRANSFER HISTORY DOS T SALE PRICE BK-PG (Cert) PMT NO PMT DT TY **AMOUNT** INSP BY 1st % DESC 24 PERRY AVE **BUZZARDS BAY, MA 02532** N Index ADJ BASE SAF CREDIT AMT ADJ VALUE CD T AC/SF/UN Nbhd Infit Topo Lpi vc N 28 28 TOTAL ZONING FRNT ASSESSED CURRENT **PREVIOUS** LAND Nond 21 BUILDING 499,000 Infl1 DETACHED (A) BAS OTHER N Index TOTAL DIM/NOTE YB UNITS ADJ PRICE **PHOTO** TY QUAL COND RCNLD Ε 28 15 **BLDG COMMENTS** BUILDING CD ADJ DESC MEASURE 5/31/2007 SM portable classrooms MODEL CIM-5 5 LIST 5/31/2007 SM 3.20 SCHOOLS [100%] STYLE 96 QUALITY Α 1.00 AVERAGE [100%] REVIEW 6/22/2007 DB FRAME 0.98 METAL [100%] S BAT T ELEMENT CD DESCRIPTION ADJ DESCRIPTION UNITS YB **ADJ PRICE** RCN TOTAL RCN SIZE ADJ 1.000 YEAR BLT 2005 FOUNDATION 0 1.00 A BAS L BASE AREA CONDITION ELEM CD 4,296 2005 126.26 542,412 **NET AREA** 4,296 DETAIL ADJ 2.830 EXT. COVER 1.00 0 **EXTERIOR** SNLA(RCN) \$126 OVERALL 1.000 ROOF SHAPE 1.00 0 INTERIOR CAPACITY ADJ ROOF COVER UNITS 0 1.00 CDN/APP FLOOR COVER 0 1.00 STORIES 1.00 INT. FINISH 0 1.00 % HEATED 0 .95 HEATING/COOL 0 1.00 % AIR COND 0 1.00 1.00 **FUEL SOURCE** 0 1.00 % SPINKLERS 0 NAF 0 1.00 EFF.YR/AGE 2005 / 8 COND 8 8% **FUNC** 0 **ECON** 8 % GD DEPR 92 RCNLD \$499,000



TOWN OF BOURNE

BOARD OF HEALTH BOURNE, MASS.

November 9, 1979

On November 8, 1979 at 2 o"clock, i met with Mr. Alan Jones, our consultant engineer at the Peebles School.

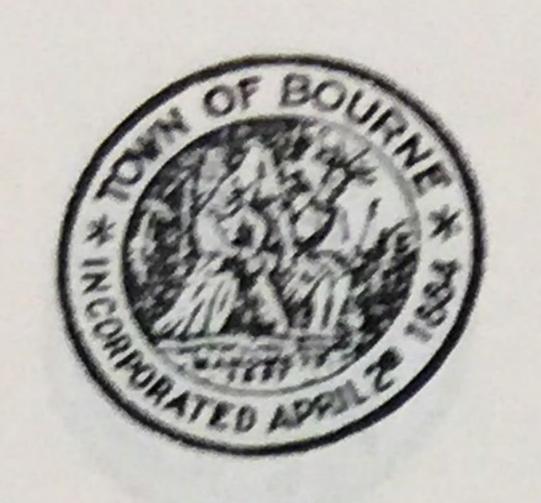
Mr. Chuck Burns, head maintenance man for the school system with 2 of his men, went over part of the system where sewerage is seeping up through the earth.

We checked I septic tank and found siphoning is working and checked distribution box and found it was partially working, due to not being installed properly.

The situation was explained to Mr. Rose, principal of the school. We also met with Mr. Consoni at the school and explained the condition and what we are going to come up with for plans of correction and upgrading the system.

As of this date, Mr. Alan Jones has been retained.

11-8-79-2pm 11-26-79-Dye test. 11-28-79-meeting 12-14-79-sail testing & sheet Septic toute. 12-1979-meeting w/13d+commi.



TOWN OF BOURNE

BOARD OF HEALTH BOURNE, MASS.

December 11, 1979

Mr. Roland T. Brown Supt. of Schools Bourne, MA 02532

Dear Mr. Brown:

Please be advised that the School Department is to place a fence around the affected area of sewage contamination, to the rear of the Peebles Elementary School, under the direction of the Health Agent. This fence is to remain there until such time as the necessary repair work on the affected field is completed.

Very truly yours.

Henry W. Murphy
Health gent

re

EDWARD L. KOENIG

ATTORNEY AT LAW

371 BOYLSTON STREET

BROOKLINE, MASSACHUSETTS 02146

(617) 731-4086

COMPLAINT

To: Board of Health, Town of Bourne

Re: Sewage surfacing at Peebles School

Request is hereby made that the Board of Health of the Town of Bourne:

1. Seek immediate relief to properly close off and mark the appropriate area to the rear of the school as a health hazzard:

2. Ascertain what is causing this problem and seek any and all relief necessary to bring the sewage up to

all regulations now in effect.

On friday December 7, 1979, at approximately 4 p.m. a survey was made of the area in question. What appeared to be surface water was within and outside an area blocked off by a snow fence. When I approached to within 25' of the area I detected a rancid odor from the liquid. As one got closer the smell was that of raw sewage and got worse the nearer one got.

Since the health of our children and any person who might want to use these facilities is in serious danger I request that the above be ordered immediately.

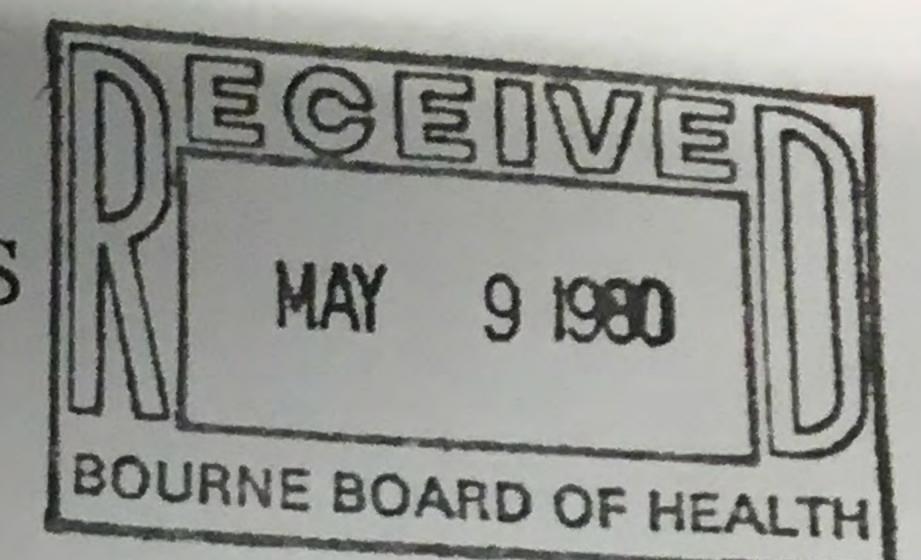
Sincerely,

Edward L. Koenig, Esquire

cc: Roland T. Brown, Superintendent of Schools Board of Selectman

ALAN W. JONES & ASSOCIATES

CONSULTING ENGINEERS



6 CARLETON DRIVE WEST EAST SANDWICH, MASS. 02537 TELEPHONE 888-3154

Mr. Henry Murphy, Health Agent Bourne Board of Health Perry Ave. Buzzards Bay, Mass. 02532

> Re: Peebles School, Bourne, Mass.

Dear Mr. Murphy:

This is to report on observations resulting from our field inspection of the sewage disposal facilities for the subject project on 6 May 1980. The following items do not conform with the contract plans and/or good workmanlike practices.

North System

- Inlet pipe from grease trap into sanitary manhole should be grouted inside the manhole.
- 2. A new cast iron cover should replace the broken cover over the existing distribution box.
- The drop between inlet and outlet pipes in the new distribution box is less than the specified two inches (2").
- Leaching pits
 - Manhole covers and frames are not the heavy duty type as specified.
 - b. The distance from the inlet inverts to the grade at the bottom of pits are less than the specified ten feet (10').
 - The specified three inches (3") of stone in the bottom of pits has not been installed.
 - Manholes on top of some pits are not plumb and their top grades are not consistant with the adjacent finished grades.

e. Pit spacings and location as built substantially plans.

South System

- 1. The grouted channel in the new sanitary manhole does not conform with the plan.
- 2. The existing water line at the rear of the leaching area has not been relocated per plans.
- 3. Manhole cover and frame over the new distribution box is not the heavy duty type as specified.
- 4. Leaching pits
 - a. Manhole covers and frames are not the heavy duty type as specified.
 - b. The distance from the inlet inverts to the grade at the bottom of pits are less than the specified ten feet (10').
 - c. The specified three inches (3") of stone in the bottom of pits has not been installed.
 - d. Manholes on top of some pits are not plumb and their top grades are not consistant with the adjacent finished grades.
 - e. Pit spacings and location as built substantially differs from the layout shown on the contract plans.

General Items

- 1. Edges of existing bituminous pavement where cut for trenching and structures has not been cut in a neat, straight line, nor has the backfilled material been properly compacted.
- 2. Sand and silt material was observed in leaching pits and distribution boxes.

Yours truly,

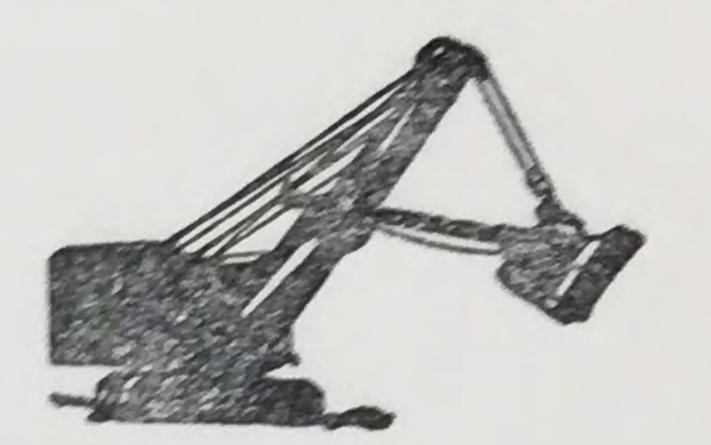
ALAN W. JONES & ASSOC.

Alan W. Jones, P.E.

AWJ:pmj

GALLO CONSTRUCTION CO., INC. SAGAMORE, MASS.

TELEPHONE 346



July 16,

Bourne School Department Bourne, MA 02532

RE: Sewage system installed at the Peebles School.

Attention: Mr. Alex Consoni

Dear Mr. Consoni:

At the last meeting between the Board of Health and the School Committee there was concern by the Board of Health that the sewage system installed for you at the Peebles School by Gallo Construction would not meet the capacity of the system that was asked for on the design plan, because of the distance from the pipe invert to the bottom of the pits was not the specified 10 feet. This shorter distance accounted for a 10% reduction in capacity according to Mr. Alan Jones, Engineer for the Board of Health.

I tried to explain to Mr. Murphy that we used extra stone around the pits and that it would more than compensate for the 10% reduction. He did not doubt that I used the stone, but wanted to see some engineered calculations by a registered professional engineer.

I then retained the services of Mr. Philip Holmes, P.E., from Falmouth, Mass. I asked him to calculate the amount of stone in tons that should have been used if a pit were constructed as shown on the plan, 10' deep, 4' of stone all around a 6' leaching pit. He did this for me using standard engineering calculations. A copy of his letter is enclosed.

His number was 63.7 tons of stone per pit. There were 10 pits installed, so the total amount of stone that should have been used is 637.00 tons. Enclosed with this letter is a copy of the slips showing the actual amount of stone used on the job, which totaled 818.95 tons.

The amount used on the job exceeded the design amount by 28.6%. The difference between this amount and the amount of reduction Mr. Jones calculated is 18.6%. The system that was installed exceeds the design system by a good 18%. I hope that this information proves to you what I have been saying all along, that the system installed is better than what was asked for on the plans.

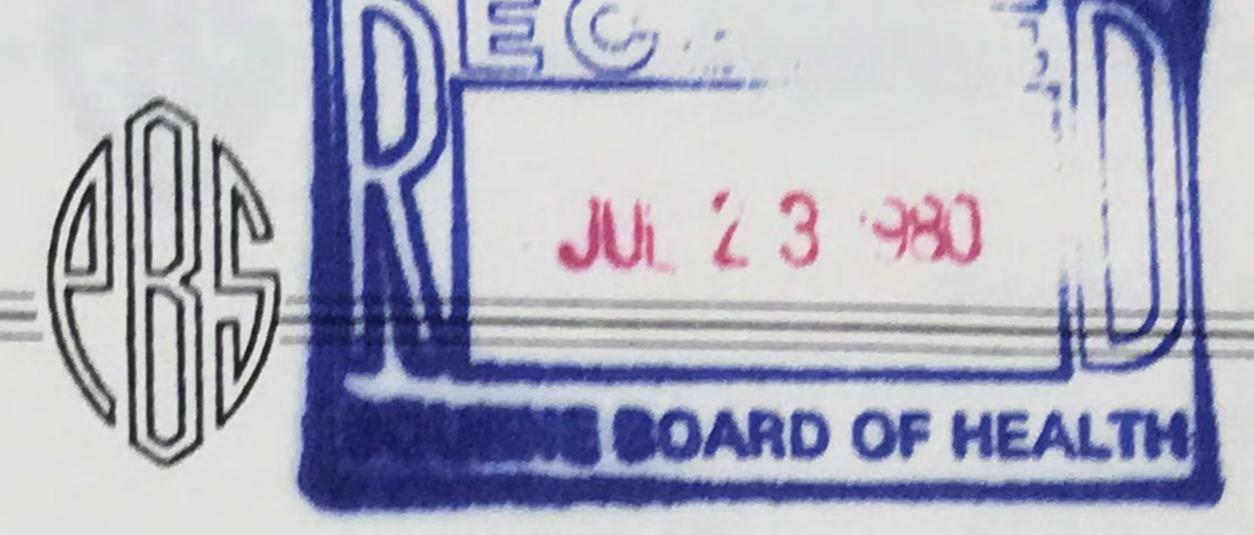
The matter of the water line not being relocated I can not understand because Mr. Gallo, himself, installed a new water line under the direction of the school personnel. This new line is more than 10 feet from any leaching pit.

If I can be of any further help, please call.

Very truly yours,
GALLO CONSTRUCTION CO.INC.

Bourne Public Schools

36 SANDWICH ROAD - BOURNE, MASSACHUSETTS 02532



Telephone 759-5112 759-4514 759-4575

Roland T. Brown Superintendent

William A. Cook Asst. Superintendent

Alex S. Consoni Business Manager

Susan Hollins

Director of
Pupil Personnel Services

July 22, 1980

Mr. Louis Gallo Gallo Construction Company Sandwich Road Sagamore, MA

Dear Mr. Gallo:

Today the Board of Health and the School Administration conducted an inspection of the new sewage field at the Peebles School. The following items were noted:

- 1. Silt must be removed from both the north and south distribution boxes.
- 2. Pits 8, 9, and 10 must have the silt and debris cleaned from the bottom; three inches of stone placed therein.
- 3. The outlet pipe from the D box to pit #7 is high. This can be corrected by filing the pipe.

The above three corrections must be made immediately.

The Board of Health will not approve the capacity of the pits until you receive an okay from the D.E.Q.E.. If you will contact Mr. Allan Jones he will explain what information has to be given to them.

Once the four above mentioned items are taken care of the Board of Health will approve the pits and we will start operation.

Sincerely,

Alexander S. Consoni Business Manager

ASC: pal

TOWN OF BOURNE Mara Allan Jonas

Board of Selectmen BOARD OF HEALTH Board or Health BOURNE, MASS.

CERTIFIED #146116

July 23, 1980

Ms Eleanor Hutchinson, Chairperson Bourne School Committee 710 County Rd. Pocasset, MA 02559

Dear Ms. Hutchinson:

As the result of an inspection of the Peebles School Sewerage project, conducted on the site on Tuesday; July 22, 1980, from 1:00 p.m. to 2:15 p.m., at which Messers Murphy, A. Jones, Brown, Consoni, Richter and yourself were present, the following areas were noted and still need to be dealt with before a final approval of the system can be voted by the Board of Health.

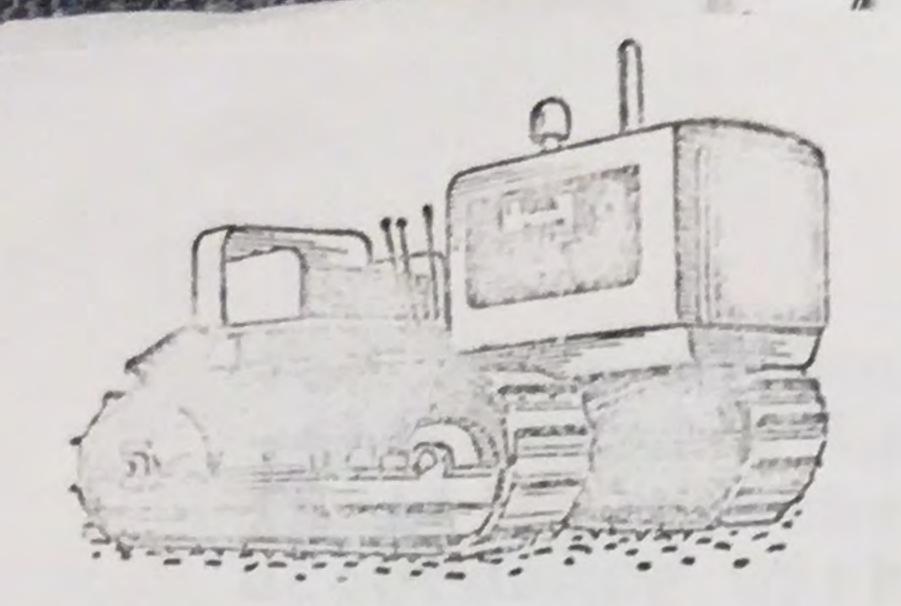
- 1. The distribution boxes of both the north and south systems need to be cleaned out.
- The distribution line from the north distribution box to pit number 7 needs to be lowered to allow for uniform distribution of the effluent to all pits in the north system.
- Pits numbers 8, 9, and 10, need cleaning and to have added to their bottoms fresh clean stone to a level three inches from the bottom, as per specifications.
- 4. The contractor will have to procure a letter from the Department of Environmental Quality Engineering indicating that the excess, above 4 feet, of stone surrounding each pit (Title 5; regulation 11.6, State Sanitary Code) to make up the capacity of the facility ot specifications is acceptable to the State.

Please be assured, once again, that the Board of Health stands ready to assist in any way possible in bringing this matter to a successful and speedy conclusion.

Respectfully yours,

Peter G. Richter Chairman

Mr. Roland T. Brown Mr. Alex Consoni



GALLO CONSTRUCTION CO., INC.

TELEPHONE 346

SAGAMORE, MASS 11/11 29 1980 DE.O.F. SOUTHEAST REGION July 28,

Department of Environmental Quality Engineering Lakeville, Mass.

Dear Sirs:

Gallo Construction Company of Sagamore, Mass., installed a sewage disposal system for the Town of Bourne School Department in Bourne, Mass.

When the final inspection was completed by the Board of Health, it was noted that the 10 foot drop from the inlet pipe to the bottom of the precast leaching pits was slightly less than ten feet. The Board of Health asked their engineer, Alan Jones, to investigate the situation and to see if the capacity of the system had been reduced. They also asked me to do the same. I retained the services of Philip D. Holmes, a local registered engineer.

The information that I provided to the Board of Health, along with information that Mr. Jones accumulated, led to the same conclusion. (See attached letters explaining this information.)

Gallo Construction had installed additional stone around the pits, not only to meet the design capacity but exceed the design capacity. This was done by placing 4'10" of stone around the pits instead of 4' that was called for on the plans. The School Department, the Board of Health, and Mr. Jones all agree and feel satisfied that the working capacity of the system has been exceeded, but have noted that Department of Environmental Quality Engineering requirements do not mathematically allow for more than 4 feet of stone around pits when designing such systems. (Title 5, Regulation 11.6).

The Board of Health has asked Gallo Construction to provide them with a letter from your department indicating that the excess amount of stone used to meet or exceed the capacity of the system is acceptable to the State.

The school department is nearing their time to reopen the school. They also have withheld monies from us and have refused to pay us until this matter is resolved.

I would greatly appreciate your quick response to this situation. If this should require a personal interview with your Department, I am available to answer any questions you may have and I could be at your office within two hours of a telephone notice.

Very truly yours,

GALLO CONSTRUCTION CO., INC.

Marty Johnson

ALAN W. JONES & ASSOCIATES

CONSULTING ENGINEERS

6 CARLETON DRIVE WEST EAST SANDWICH, MASS. 02537 TELEPHONE 888-3154

27 August 1980

Mr. Peter G. Richter, Chairman
Board of Health
Perry Ave.
Buzzards Bay, Mass. 02532

Re: Peebles School Bourne, Mass.

Dear Mr. Richter:

We have conducted a final inspection of the sewage disposal facility for the subject project as constructed by the Gallo Construction Co., Inc. of Sagamore, Mass. and have found that the dual system is in acceptable condition, with the following exception.

The leaching pits for the north and south systems have less than the required 10' from the inlet pipe inverts to the bottom of pits. This reduces the theoretical total capacity of the system to 11,435 g.p.d. (based upon the specified 4' width of perimeter stone). This capacity is 565 g.p.d. below the required design capacity of 12,000 g.p.d. However, based upon the total tonnage of perimeter stone installed around the pits of 819 tons (figures from Gallo Construction Co.), the width of stone computes to an average of 4.69' per pit. The total capacity of the constructed system, therefore, equals 12,720 g.p.d. which exceeds the design capacity of 12,000 g.p.d. by 720 g.p.d. It should be noted that the 4.69' width of perimeter stone exceeds the 4' maximum specified in Title 5. Illustration A. Title 5 also requires that the distance between stone faces of adjacent pits be no less than twice the effective diameter of the pits which figures to a minimum of 46' from center to center of adjacent pits. There are several occurrences where this requirement is not met. However, it is doubtful that these lesser distances would have a negative effect on the successful operation of the total system.

Should an additional leaching pit be required to be installed, it is recommended that it be constructed in parallel with the north system and may consist of a 6'x6' pit with a 6'x4'

ALAU IN TONITIES & ASSESSE. Mr. Peter G. Richter 27 August 1980 Page 2 extension at the bottom and surrounded by a 2' width of 3/4" to 1-1/2" washed stone. Based upon a 4' width of stone. this would bring the capacity of the north system to 8,869 g.p.d. (369 g.p.d. over design capacity). The south system would remain unchanged at a capacity of 3,431 g.p.d. (69 g.p.d. under design capacity). The capacity of the total system would equal 12,300 g.p.d. or 300 g.p.d. over the design capacity of 12,000 g.p.d. Yours truly, ALAN W. JONES & ASSOC. Alan W. Jones, P.E. AWJ:pmj enc.

BOUSFIELD SANITARY SERVICE

LOADS PUMPED FROM PEEBLE SCHOOL

| MONTH | NUMBER OF LOADS | COST | TOTAL GALLONS |
|-------|-----------------|------------|---------------|
| April | 17 | \$425.00 | 25,500 |
| May | 19 | \$475.00 | 28,500 |
| June | 39 | \$975.00 | 58,500 |
| | TOTAL 75 | \$1,875.00 | 112,500 |

Each load is \$25.00 (17 X \$25.= \$425)

(19 X \$25.= \$475)

(39 X \$25.= \$975)



Appendix D

Environmental Database Search Environmental Data Resources, Inc.

Peebles Elementary School

70 Trowbridge Rd Buzzards Bay, MA 02532

Inquiry Number: 4465395.9

November 12, 2015

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography November 12, 2015

Target Property:

70 Trowbridge Rd

Buzzards Bay, MA 02532

| <u>Year</u> | <u>Scale</u> | <u>Details</u> | <u>Source</u> |
|-------------|------------------------------------|--|---------------|
| 1951 | Aerial Photograph. Scale: 1"=500' | Flight Date: October 22, 1951 | USGS |
| 1966 | Aerial Photograph. Scale: 1"=500' | Flight Date: February 22, 1966 | EDR |
| 1970 | Aerial Photograph. Scale: 1"=500' | Flight Date: October 06, 1970 | USGS |
| 1977 | Aerial Photograph. Scale: 1"=1000' | Flight Date: April 01, 1977 | EDR |
| 1980 | Aerial Photograph. Scale: 1"=500' | Flight Date: June 18, 1980 | USGS |
| 1985 | Aerial Photograph. Scale: 1"=500' | Flight Date: March 26, 1985 | USGS |
| 1993 | Aerial Photograph. Scale: 1"=500' | Flight Date: July 10, 1993 | USGS |
| 1995 | Aerial Photograph. Scale: 1"=500' | DOQQ - acquisition dates: March 10, 1995 | USGS/DOQQ |
| 2006 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2006 | USDA/NAIP |
| 2008 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2008 | USDA/NAIP |
| 2010 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2010 | USDA/NAIP |
| 2012 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2012 | USDA/NAIP |

























Peebles Elementary School

70 Trowbridge Rd Buzzards Bay, MA 02532

Inquiry Number: 4465395.5

November 13, 2015

The EDR-City Directory Image Report



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SECTION

Executive Summary

Findings

City Directory Images

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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> |
|-------------|-------------------------|--------------|----------------------------|
| 2013 | $\overline{\checkmark}$ | | Cole Information Services |
| 2008 | $\overline{\checkmark}$ | | Cole Information Services |
| 2003 | $\overline{\checkmark}$ | | Cole Information Services |
| 1999 | $\overline{\checkmark}$ | | Cole Information Services |
| 1995 | $\overline{\checkmark}$ | | Cole Information Services |
| 1992 | $\overline{\checkmark}$ | | Cole Information Services |
| 1988 | $\overline{\checkmark}$ | | Cole Criss-Cross Directory |
| 1984 | $\overline{\checkmark}$ | | Cole Criss-Cross Directory |

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

70 Trowbridge Rd Buzzards Bay, MA 02532

| <u>Year</u> | <u>CD Image</u> | <u>Source</u> | |
|---------------|-----------------|----------------------------|--|
| TROWBRIDGE RD | | | |
| | | | |
| 2013 | pg A1 | Cole Information Services | |
| 2008 | pg A2 | Cole Information Services | |
| 2003 | pg A3 | Cole Information Services | |
| 1999 | pg A4 | Cole Information Services | |
| 1995 | pg A5 | Cole Information Services | |
| 1992 | pg A6 | Cole Information Services | |
| 1988 | pg A7 | Cole Criss-Cross Directory | |
| 1984 | pg A8 | Cole Criss-Cross Directory | |

Page 2

4465395-5

FINDINGS

CROSS STREETS

No Cross Streets Identified



<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

Cole Information Services

TROWBRIDGE RD 2013

1 **BOURNE BRIDGE MEDICAL CENTER BOURNE INTERNAL MEDICINE** CAPE COD HEALTHCARE WOUND CARE **CLAB** COPPER EAGLE HOLISTIC EYE HEALTH CARE OF BOURNE GEORGINA NOUAIME HARRIS SCOTT MD HITCHINGS CHERYL PA MARSHALL LYNNE L DMD MAURI ANTONIETTA MD MEDICAL AFFILIATES OF CAPE COD NOUAIME GEORGINA MD PHAM HUNG X DO PIERCE JOSEPH JAMES III MD PRIETO MIGUEL MD **ROBINSON BARBARA J NP** SALON BELOR SCOTT HARRIS STELLE BRUCE MD STOP&SHOP PHARMACY **WESTON & SAMPSON ENGINEERS** 11 OCCUPANT UNKNOWN 12 TRADING POST LOUNGE 15 D FAGERBERG **F DAMIAN** J CABRAL JASON SPRAGUE OCCUPANT UNKNOWN THERESE BORDELEAU WILLIAM BRYDEN 17 **ROBERT CARREIRO** 18 **ELEANORE USSOW** 24 **BEN VALENTE** 25 JAMES RODRICK 30 PATRICK PIKE 70 MAINTENANCE DEPT TOWN OF BOURNE 82 ANIMAL HEALTH CLINIC WHITNEY FALL 92 OCCUPANT UNKNOWN 100 KNIGHTS INN BOURNE RESERVATIONS TROWBRIDGE TAVERN & CANAL CLUB **BONANZA BUS LINES INC** 105 CAPE SIDE CONVENIENCE OCCUPANT UNKNOWN

THE LAUNDRY CENTER

KNIGHTS INN CAPE COD BOURNE

114

TROWBRIDGE RD 2008

| 1 | ALFREDO I GONZALEZ MD |
|----------------------|--------------------------------------|
| | BOURNE BRIDGE MEDICAL |
| | BOURNE HEALTH CENTER |
| | BOURNE INTERNAL MEDICAL |
| | CAPE COD HEALTHCARE OCCUPATIONAL THE |
| | DR LYNNE MARSHALL |
| | EYE HEALTH CARE OF BOURNE |
| | GEORGINA NOUAIME |
| | GEORGINA NOUAIME MD |
| | HARBOR HOMES REALTY |
| | IBA SOFTWARE TECHNOLOGIES INC |
| | OCCUPATIONAL HEALTH SPECIALISTS |
| | SALON BELOR |
| | SCOTT HARRIS |
| | TRADING POST LOUNGE |
| | ULTRASOUND TANNING & MASSAGE THERAPY |
| | WINKEL STEVE P |
| 11 | HARBOR HOMES REALTY |
| | RAPONI DRYWALL & PLASTERING INC |
| | SUSAN RAPONI |
| 12 | BOURNE URGENT CARE CENTER |
| 12 | TRADING POST LOUNGE INC |
| 15 | J CABRAL |
| 10 | JAMES SULLIVAN |
| | THERESE BORDELEAU |
| 17 | ROBERT CARREIRO |
| 18 | ELIZABETH TOMLINSON |
| 10 | LISA SAMATARO |
| 24 | BEN VALENTE |
| 2 4 25 | JAMES RODRICK |
| - | HELENE CONLON |
| 30 | |
| 70 | BOURNE AFTER SCHOOL DAY CAR |
| | BOURNE PUB SCHOOL MNTANENCE DEPT |
| 00 | JAME F PEEBLES ELEMENTARY SCHOOL |
| 82 | ANIMAL HEALTH CLINIC |
| 00 | WILLIAM FALL |
| 83 | JANET WALTON |
| 100 | BEST WESTERN BRIDGE BOURNE HOTEL |
| | CANAL CLUB FUNCTIONAL FACILITY INC |
| | TROWBRIDGE TAVERN |
| 105 | LAUNDRY CENTER THE |
| 114 | KNIGHTS INN |
| | VIJAYSINH ANITIA |
| | |

YANKEE THRIFT MOTEL

| 1 | STS BOOKKEEPING SERVICE |
|-----|----------------------------------|
| | STS HOME INSPECTIONS |
| 11 | FRANCO RAPONI |
| | RAPONI DRYWALL & PLASTERING |
| 12 | TRADING POST LOUNGE |
| 15 | AARON WHIDDON |
| | CHRISTINE KELLY |
| | FAITH BRYDEN |
| | LAURETTA ROY |
| | MARCIA PHILLIPS |
| | VERONICA MITCHELL |
| 17 | ROBERT CARREIRO |
| 18 | ELIZABETH TOMLINSON |
| | SCOTT FITZMAURICE |
| 21 | JOHN KOLLETT |
| 25 | JAMES RODRICK |
| 70 | TOWN OF BOURNE |
| 82 | ANIMAL HEALTH CLINIC |
| | SHARON MURRAY |
| 83 | JANET WALTON |
| 92 | CHERYL RICHTER |
| 100 | BEST WESTERN BRIDGE BRN HOTEL |
| | CANAL CLUB FUNCTION FACILITY INC |
| 105 | BONANZA BUS LINES INC |
| | LAUNDRY CTR |
| | TEDESCHI DELI & SUB SHOP |
| | TEDESCHI FOOD SHOPS |
| 107 | ARTHUR RAMOS |
| | TROWBRIDGE TVRN AT BEST WSTRN |
| 108 | M GASLIN |
| 114 | VIJAYSINH ANITIA |

| 5 8 11 12 15 | ROYS II CLAMBAKE COMPONENTS PRODUCE RAPONI DRYWALL & PLASTERING INCORPORATED TRADING POST LOUNGE CAROL GUNZY FAITH BRYDEN JEAN LEAHY L ROY RICKY WRIGHT |
|--------------------------|---|
| 17 | ROBERT CARREIRO |
| 18 | KEVIN GOODWIN |
| 21 | JOHN KOLLETT |
| | SANDRA DEMEL |
| 25 | JAMES RODRICK |
| 30 | KENNETH PIKULSKI |
| 70 | MAIN TENANCE DEPARTMENT |
| | PEEBLES JAMES F SCHOOL |
| | TOWN OF BOURNE SCHOOL DEPARTMENT |
| 82 | ANIMAL HEALTH CLINIC |
| | MURRAY SHARON E VETNARN |
| 92 | ANDREA RICHTER |
| 100 | BEST WESTERN BRIDGE BOURNE HOTEL |
| | BRIDGE BOURNE HOTEL |
| | CANAL CLUB FUNCTION FACILTITY INCORPORATED |
| | TROWBRIDGE TAVERN AT BEST WESTERN BRIDGE BOURNE HOTEL |
| 105 | BONANZA BUSINESS LINES INCORPORATED |
| | LAUNDRY CENTER THE |
| | TEDESCHI DELI & SUB SHOP |
| 114 | YANKEE THRIFT MOTEL |
| | |

| 0 | TRADING POST LOUNGE |
|-----|---|
| 11 | RAPONI DRYWALL & PLASTERING INC |
| 12 | PINTO, E S |
| | TRADING POST LOUNGE |
| 15 | ROY, B |
| | ROY, J & K |
| | ROY, L |
| 18 | NOWICK, C W |
| 21 | KOLLETT, JOHN |
| 25 | RODRICK, JAS |
| 70 | BOURNE TOWN OF SCHOOL DEPT SCHOOLS ELEMENTARY SCHOOLS JAMES F |
| | MAIN TENANCE DEPT |
| 82 | ANIMAL HEALTH CLINIC |
| | MURRAY, S E |
| | MURRAY, SHARON E |
| 83 | COONEY, ANDREW |
| 92 | MCARTHUR, IRVING T |
| 100 | BEST WESTERN BRIDGE BOURNE HOTEL |
| 105 | BONANZA BUS LINES INC |
| | LAUNDRY CENTER THE |
| | TEDESCHI DELI & SUB SHOP |
| | |

| MACLEAN, CLIFTON |
|---|
| MEGA-CITI |
| FULL STRENGTH NATURAL PRODUCTS |
| A TOUCH OF COUNTRY |
| ASHLEE'S ATTIC |
| RAPONI, FRANCO & SUSAN |
| HICKSON, K |
| TRADING POST LOUNGE |
| DOLBEARE, P |
| MILLER, CHAS J |
| NOWICK, C W |
| KOLLETT, JOHN |
| BENSON, STEVE J |
| RODRICK, JAS |
| BASSETT, ATWOOD |
| BOURNE TOWN OF-SCHOOL DEPT-ADMINISTRATIVE OFCS-MAINTENANCE DEPT |
| BOURNE TOWN OF-SCHOOL DEPT-SCHOOLS-ELEMENTARY SCHOOLS-PEEBLES |
| SPRAGUE, DOROTHY A |
| MCARTHUR, IRVING T |
| BONANZA BUS LINES INC |
| LAUNDRY CENTER THE |
| |

Cole Criss-Cross Directory

| | THO WENDOL NE 1500 |
|------------|---------------------------------------|
| 622 | 5 BUSINESS |
| | TROWBRIDGE RD 02532 |
| | Bourne |
| 12 | 1- 199 CT 417 \$DE 2 |
| 2 | 11 NP |
| 2 | 12★ Trading Post Loung ¤ 759-9953 |
| () | 15 Charles Cohen |
| 353 | Allan Courchesene 86 759-7836 |
| 672 | 17 Charles J Miller 71 759-7864 |
| 493 | 18 C W Nowick |
| 269 | 21 Glen Gilbert |
| 858 | 25 James Rodrick |
| 464 | 30 Atwood Bassett 759-7104 |
| 241 | 70★ Bourne Mntnce 74 759-3267 |
| 307 | ★ J F Pbls Elem Schl 759-3413 |
| 400 | 82 Richard Deboer III 85 759-4951 |
| | 100★ The Waterview Inn 84 759-2774 |
| 506 | 105★ Curtis Compact 86 759-6711 |
| 955 | ★ The Laundry Ctr 85 759-4966 |
| 1196 | OFF Clifton MacLean 84 759-3202 |
| 646 | NO # + Trading Post Loung 85 759-9584 |
| 178 | 10 RESIDENCE 7 BUSINESS |
| 754 | |
| Election 7 | TUCY AVE 02532 |
| 3326 | |
| 7647 | 1- 99 CT 415 \$EE 2 |
| | 4 Paul E Dupuis 69 759-7662 |
| | F 41 44 141 FA 3FA 4A44 |

<u>Target Street</u> <u>Cross Street</u>

<u>Source</u>

Cole Criss-Cross Directory

| No # T Hanifl | 394-2794 |
|---|--|
| TROWBRIDGE RD Bourne 086320 | 02532 |
| 11 | 759-9890 759-5620 759-7864 759-8493 |
| 21 John Doble | 759-5301 759-5913 759-7104 759-3267 759-3413 |
| OFF Richard Deboer III 81 No #★Bills Brn Bdg Mbl No #★Bills Bourne Mobil No #★The Bourne Courier | 759-4951 759-5900 759-9842 759-7315 Business |
| TROWBRIDGE RD Monument Beach 086330 | 02553 |
| 12 Alma C Perry | 759-7954 |

Peebles Elementary School

70 Trowbridge Rd Buzzards Bay, MA 02532

Inquiry Number: 4465395.2s

November 12, 2015

The EDR Radius Map™ Report with GeoCheck®

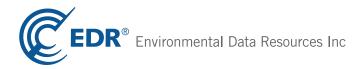


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| Physical Setting Source Records Searched | PSGR-1 |

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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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

70 TROWBRIDGE RD BUZZARDS BAY, MA 02532

COORDINATES

Latitude (North): 41.7391000 - 41° 44′ 20.76″ Longitude (West): 70.5900000 - 70° 35′ 24.00″

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 367777.9 UTM Y (Meters): 4621818.0

Elevation: 89 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5642133 POCASSET, MA

Version Date: 2012

North Map: 5642135 SAGAMORE, MA

Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120813, 20120712

Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 70 TROWBRIDGE RD BUZZARDS BAY, MA 02532

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|------------|----------------------|----------------------|--|-----------------------|-------------------------------|
| A1 | PEEPLES SCHOOL | TROW BRIDE RD | SPILLS 90 | | TP |
| A2 | PEEBLES SCHOOL | 70 TROWBRIDGE ROAD | TIER 2 | | TP |
| A3 | JAMES F PEEBLES ELEM | 70 TROWBRIDGE RD | FINDS | | TP |
| Reg | OTIS AIR FORCE BASE | | DOD | Same | 3076, 0.583, East |
| A4 | PEEBLES SCHOOL | TROW BRIDGE RD | SHWS, RELEASE | Lower | 1 ft. |
| B5 | ANIMAL HEALTH CLINIC | 82 TROWBRIDGE RD | HW GEN | Lower | 39, 0.007, NW |
| B6 | | 105 TROWBRIDGE RD | EDR US Hist Cleaners | Lower | 65, 0.012, NNW |
| C7 | RUSS GULF | 60 MACARTHUR BLVD | RCRA-CESQG, UST, FINDS, Financial Assurance, HW | Higher | 269, 0.051, East |
| D8 | BOURNE HIGH SCHOOL | 75 WATERHOUSE RD | RCRA-CESQG, FINDS | Lower | 412, 0.078, SSW |
| D9 | BOURNE HIGH SCHOOL | 75 WATERHOUSE RD | HW GEN, TIER 2 | Lower | 412, 0.078, SSW |
| C10 | BATTLES PONTIAC | 50 MACARTHUR BLVD | UST, Financial Assurance, HW GEN | Higher | 449, 0.085, East |
| C11 | BATTLES BUICK GMC | 50 MACARTHUR BLVD | RCRA-CESQG | Higher | 449, 0.085, East |
| E12 | FRANK BATTLES INC | 48 MACARTHUR BLVD | UST, Financial Assurance | Higher | 583, 0.110, East |
| E13 | MY GENERATION ENERGY | 53 MACARTHUR BLVD | HW GEN | Higher | 620, 0.117, East |
| F14 | CUMBERLAND FARMS INC | 4 GEN MACARTHUR BLVD | RCRA-CESQG | Lower | 1050, 0.199, NE |
| F15 | BOURNE ROTARY TEXACO | 5 BOURNE ROTARY | SHWS, RELEASE | Lower | 1076, 0.204, NNE |
| F16 | BOURNE ROTARY TEXACO | 4 MACARTHUR BLVD | UST, Financial Assurance | Lower | 1161, 0.220, NE |
| F17 | CUMBERLAND FARMS | 4 MACARTHUR BLVD | RCRA NonGen / NLR | Lower | 1161, 0.220, NE |
| F18 | CUMBERLAND FARMS | 4 GENERAL MACARTHUR | SPILLS 90, HW GEN | Lower | 1161, 0.220, NE |
| 19 | SEL FOREIGN AUTO LTD | 7 COLONEL DR | HW GEN | Higher | 1203, 0.228, South |
| F20 | TEXACO FMR | 5 MACARTHUR BLVD | LUST, RELEASE | Lower | 1258, 0.238, NE |
| G21 | GULF GAS STATION | BOURNE ROTARY | SHWS, RELEASE, SPILLS | Lower | 1260, 0.239, NNE |
| G22 | TEXACO STATION | BOURNE ROTARY | SHWS, RELEASE | Lower | 1260, 0.239, NNE |
| 23 | CAPE MARINE | 140 MACARTHUR BLVD | HW GEN | Higher | 1276, 0.242, SE |
| 24 | FACILITY NO 134 | GEN MACARTHUR BLVD | SHWS, RELEASE | Lower | 1400, 0.265, NNE |
| 25 | NO LOCATION AID | 1 SANDWICH RD | SHWS, RELEASE, LEAD | Lower | 1584, 0.300, WNW |
| 26 | JOHN GALLO ICE ARENA | 231 SANDWICH RD | SHWS, RELEASE, HW GEN | Lower | 2457, 0.465, NNE |
| 27 | TEE #7 | 15 BROOKSIDE RD | LAST, RELEASE | Higher | 2579, 0.488, SSE |
| H28 | RECYCLING CENTER | 201 MACARTHUR BOULEV | MERCURY | Higher | 2638, 0.500, SSE |
| H29 | BOURNE LANDFILL | 201 MACARTHUR BLVD | SHWS, SWF/LF, RELEASE, AIRS, Financial Assurance | Higher | 2638, 0.500, SSE |
| I30 | BOURNE LANDFILL | GEN MACARTHUR BLVD | SHWS, RELEASE | Lower | 3388, 0.642, SE |
| I31 | BOURNE LANDFILL | MACARTHUR BLVD | SHWS, RELEASE | Lower | 3388, 0.642, SE |
| 32 | BUSTED KNUCKLE GARAG | 25 PERRY AVENUE | SHWS, RELEASE | Lower | 3529, 0.668, NW |
| 33 | NO LOCATION AID | SCENIC HWY | SHWS, RELEASE | Lower | 3765, 0.713, NNW |
| 34 | NO LOCATION AID | 11 PERRY AVE | SHWS, LUST, RELEASE, HW GEN | Lower | 3953, 0.749, NW |
| 35 | IHOP RESTAURANT | 2 BOURNE ROTARY | SHWS, LUST, RELEASE | Lower | 4230, 0.801, NNW |
| 36 | BUZZARD BAY MOBIL | 246 MAIN ST | SHWS, LUST, RELEASE, SPILLS | Lower | 4589, 0.869, NW |
| J37 | PHILS AUTO SERVICE I | 229 MAIN ST | SHWS, RELEASE, HW GEN | Lower | 4714, 0.893, NW |
| J38 | NEXT TO BETTY ANNS | 227 MAIN ST | SHWS, RELEASE, LEAD | Lower | 4728, 0.895, NW |

MAPPED SITES SUMMARY

Target Property Address: 70 TROWBRIDGE RD BUZZARDS BAY, MA 02532

Click on Map ID to see full detail.

| MAP | | | | RELATIVE | DIST (ft. & mi.) |
|-----|----------------------|----------------------|-----------------------|------------------|------------------|
| ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | ELEVATION | DIRECTION (|
| 39 | NO LOCATION AID | 101 MAPLE ST | SHWS, RELEASE | Lower | 4818, 0.913, NNW |
| K40 | NO LOCATION AID | 42 HOLT RD | SHWS, RELEASE | Lower | 4840, 0.917, WNW |
| 41 | ROADWAY | 174 MAIN ST | SHWS, RELEASE, SPILLS | Lower | 4910, 0.930, WNW |
| 42 | FORMER CANAL VIEW AU | 2 AND 6 CANAL VIEW R | SHWS, RELEASE | Lower | 4911, 0.930, WNW |
| K43 | BOURNE POLICE HQ | 175 MAIN ST | SHWS, LUST, RELEASE | Lower | 5054, 0.957, WNW |

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

| Site | Database(s) | EPA ID |
|--|--|--------|
| PEEPLES SCHOOL TROW BRIDE RD BUZZARDS BAY, MA 02532 | SPILLS 90 Status: RETRACTED Site Id: 4-0011607 | N/A |
| PEEBLES SCHOOL 70 TROWBRIDGE ROAD BOURNE, MA 02532 | TIER 2 Facility Id: FATR20115R14AQ009NBY Facility Id: FATR20125R14AQ009NBY Facility Id: FATR20145R14AQ009NBY Facility Id: FATR20135R14AQ009NBY | N/A |
| JAMES F PEEBLES ELEM 70 TROWBRIDGE RD BOURNE, MA 02532 | FINDS Registry ID:: 110036676978 | 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:

CERC-NFRAP...... CERCLIS No Further Remedial Action Planned

STANDARD ENVIRONMENTAL RECORDS

| Federal NPL site list | |
|-------------------------------|--|
| NPL | |
| | Proposed National Priority List Sites |
| NPL LIENS | . Federal Superfund Liens |
| Federal Delisted NPL site lis | st . |
| Delisted NPL | National Priority List Deletions |
| Federal CERCLIS list | |
| rederal CERCLIS list | |
| | Federal Facility Site Information listing |
| CERCLIS | . Comprehensive Environmental Response, Compensation, and Liability Information System |
| Federal CERCLIS NFRAP sit | te List |

| Federal RCRA CORRACTS f | facilities list |
|---------------------------------|---|
| CORRACTS | Corrective Action Report |
| Federal RCRA non-CORRAC | CTS TSD facilities list |
| RCRA-TSDF | RCRA - Treatment, Storage and Disposal |
| Federal RCRA generators lis | st |
| | RCRA - Large Quantity Generators RCRA - Small Quantity Generators |
| Federal institutional control | s / engineering controls registries |
| US ENG CONTROLS | Land Use Control Information System Engineering Controls Sites List Sites with Institutional Controls |
| Federal ERNS list | |
| ERNS | Emergency Response Notification System |
| State and tribal leaking stor | age tank lists |
| NDIAN LUST | Leaking Underground Storage Tanks on Indian Land |
| State and tribal registered s | torage tank lists |
| AST | Underground Storage Tank Listing Aboveground Storage Tank Database Underground Storage Tanks on Indian Land |
| State and tribal institutional | control / engineering control registries |
| NST CONTROL | . Sites With Activity and Use Limitation |
| State and tribal voluntary cl | eanup sites |
| NDIAN VCP | Voluntary Cleanup Priority Listing |
| State and tribal Brownfields | sites |
| BROWNFIELDS | Completed Brownfields Covenants Listing |
| ADDITIONAL ENVIRONMENTAL | RECORDS |
| Local Brownfield lists | |
| | A Listing of Brownfields Sites |
| Local Lists of Landfill / Solid | d Waste Disposal Sites |
| NDIAN ODI | Report on the Status of Open Dumps on Indian Lands |

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... National Clandestine Laboratory Register

US CDL..... Clandestine Drug Labs

Local Land Records

LIENS..... Liens Information Listing LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Historical Spill List

RELEASE...... Reportable Releases Database SPILLS 80...... SPILLS 80 data from FirstSearch

Other Ascertainable Records

..... Formerly Used Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION........... 2020 Corrective Action Program List

TSCA...... Toxic Substances Control Act
TRIS...... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems ROD...... Records Of Decision RMP..... Risk Management Plans

RAATS...... RCRA Administrative Action Tracking System

PRP...... Potentially Responsible Parties PADS..... PCB Activity Database System

ICIS..... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

MLTS..... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data

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

PCB TRANSFORMER______PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS...... Incident and Accident Data

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

INDIAN RESERV..... Indian Reservations UMTRA_____ Uranium Mill Tailings Sites LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File AIRS..... Permitted Facilities Listing DRYCLEANERS..... Regulated Drycleaning Facilities ENF..... Enforcement Action Cases

Financial Assurance Information Listing

| GWDP | Ground Water Discharge Permits |
|-------|--------------------------------|
| LEAD | Lead Inspection Database |
| NPDES | NPDES Permit Listing |
| TSD | TSD Facility |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

| EDR MGP | EDR Proprietary Manufactured Gas Plants |
|---------|--|
| | EDR Exclusive Historic Gas Stations |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| RGA HWS | Recovered Government Archive State Hazardous Waste Facilities List |
|----------|--|
| RGA LUST | Recovered Government Archive Leaking Underground Storage Tank |

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 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 06/09/2015 has revealed that there are 4 RCRA-CESQG sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|------------------------|-------------------|-------------------------|-----------|------|
| RUSS GULF | 60 MACARTHUR BLVD | E 0 - 1/8 (0.051 mi.) | C7 | 15 |
| BATTLES BUICK GMC | 50 MACARTHUR BLVD | E 0 - 1/8 (0.085 mi.) | C11 | 24 |
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
| BOURNE HIGH SCHOOL | 75 WATERHOUSE RD | SSW 0 - 1/8 (0.078 mi.) | D8 | 18 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|----------------------|----------------------|--------------------------|--------|------|
| CUMBERLAND FARMS INC | 4 GEN MACARTHUR BLVD | NE 1/8 - 1/4 (0.199 mi.) | F14 | 27 |

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 06/30/2015 has revealed that there are 22 SHWS sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|--|---|---------------------------|--------|------|
| BOURNE LANDFILL Release Tracking Number / Current Status | 201 MACARTHUR BLVD 5: 4-0022390 / RAO | SSE 1/4 - 1/2 (0.500 mi.) | H29 | 55 |
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
| PEEBLES SCHOOL Release Tracking Number / Current Status | TROW BRIDGE RD s: 4-0015411 / RAO | 0 - 1/8 (0.000 mi.) | A4 | 12 |
| BOURNE ROTARY TEXACO Release Tracking Number / Current Status | 5 BOURNE ROTARY 5: 4-0014330 / RAO | NNE 1/8 - 1/4 (0.204 mi.) | F15 | 28 |
| GULF GAS STATION Release Tracking Number / Current Status | BOURNE ROTARY s: 4-0010834 / RAO | NNE 1/8 - 1/4 (0.239 mi.) | G21 | 42 |
| TEXACO STATION Release Tracking Number / Current Status | BOURNE ROTARY s: 4-0010835 / RAONR | NNE 1/8 - 1/4 (0.239 mi.) | G22 | 45 |
| FACILITY NO 134 Release Tracking Number / Current Status Release Tracking Number / Current Status | | NNE 1/4 - 1/2 (0.265 mi.) | 24 | 47 |
| NO LOCATION AID Release Tracking Number / Current Status | 1 SANDWICH RD s: 4-0011936 / RAO | WNW 1/4 - 1/2 (0.300 mi.) | 25 | 49 |
| JOHN GALLO ICE ARENA Release Tracking Number / Current Status | 231 SANDWICH RD 5: 4-0017814 / RAONR | NNE 1/4 - 1/2 (0.465 mi.) | 26 | 52 |
| BOURNE LANDFILL Release Tracking Number / Current Status | GEN MACARTHUR BLVD s: 4-0014181 / RAO | SE 1/2 - 1 (0.642 mi.) | 130 | 59 |
| BOURNE LANDFILL Release Tracking Number / Current Status | MACARTHUR BLVD 5: 4-0018507 / RAO | SE 1/2 - 1 (0.642 mi.) | I31 | 60 |
| BUSTED KNUCKLE GARAG Release Tracking Number / Current Status | 25 PERRY AVENUE s: 4-0024932 / RAO | NW 1/2 - 1 (0.668 mi.) | 32 | 62 |
| NO LOCATION AID Release Tracking Number / Current Status | SCENIC HWY 5: 4-0012165 / DEPNFA | NNW 1/2 - 1 (0.713 mi.) | 33 | 63 |
| NO LOCATION AID Release Tracking Number / Current Status | 11 PERRY AVE s: 4-0010292 / RAO | NW 1/2 - 1 (0.749 mi.) | 34 | 64 |
| IHOP RESTAURANT Release Tracking Number / Current Status | 2 BOURNE ROTARY s: 4-0010698 / DPS | NNW 1/2 - 1 (0.801 mi.) | 35 | 70 |
| BUZZARD BAY MOBIL Release Tracking Number / Current Status | 246 MAIN ST s: 4-0022638 / RAO | NW 1/2 - 1 (0.869 mi.) | 36 | 73 |

| Release Tracking Number / Current Status | : 4-0018009 / RAONR | | | |
|---|---|-------------------------|-----|----|
| PHILS AUTO SERVICE I Release Tracking Number / Current Status | 229 MAIN ST : 4-0016075 / TIERII | NW 1/2 - 1 (0.893 mi.) | J37 | 82 |
| NEXT TO BETTY ANNS Release Tracking Number / Current Status | 227 MAIN ST : 4-0013325 / RAO | NW 1/2 - 1 (0.895 mi.) | J38 | 84 |
| NO LOCATION AID Release Tracking Number / Current Status | 101 MAPLE ST : 4-0018871 / RAO | NNW 1/2 - 1 (0.913 mi.) | 39 | 86 |
| NO LOCATION AID Release Tracking Number / Current Status | 42 HOLT RD : 4-0016701 / RAO | WNW 1/2 - 1 (0.917 mi.) | K40 | 88 |
| ROADWAY Release Tracking Number / Current Status | 174 MAIN ST : 4-0021618 / RAONR | WNW 1/2 - 1 (0.930 mi.) | 41 | 89 |
| FORMER CANAL VIEW AU Release Tracking Number / Current Status | 2 AND 6 CANAL VIEW R : 4-0018050 / RAO | WNW 1/2 - 1 (0.930 mi.) | 42 | 92 |
| BOURNE POLICE HQ Release Tracking Number / Current Status | 175 MAIN ST : 4-0010342 / RAO | WNW 1/2 - 1 (0.957 mi.) | K43 | 94 |

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Protection's Solid Waste Facility Database/Transfer Stations.

A review of the SWF/LF list, as provided by EDR, and dated 09/16/2015 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|------------------------------------|--------------------|-----------------------------|--------|------|
| BOURNE LANDFILL | 201 MACARTHUR BLVD | SSE 1/4 - 1/2 (0.500 mi.) | H29 | 55 |
| Current Operational Status: Active | | | | |

State and tribal leaking storage tank lists

LAST: The Leaking Aboveground Storage Tanks database

A review of the LAST list, as provided by EDR, and dated 06/30/2015 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|--|---------------------|---------------------------|--------|------|
| TEE #7 | 15 BROOKSIDE RD | SSE 1/4 - 1/2 (0.488 mi.) | 27 | 53 |
| Release Tracking Number / Current Stat | us: 4-0018417 / RAO | | | |

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 06/30/2015 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---------------------------------------|-------------------------|--------------------------|--------|------|
| TEXACO FMR | 5 MACARTHUR BLVD | NE 1/8 - 1/4 (0.238 mi.) | F20 | 41 |
| Release Tracking Number / Current Sta | atus: 4-0014822 / RAONR | | | |

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 07/13/2015 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|-------------------|-----------------------------|--------|------|
| RUSS GULF Tank Status: Removed Facility Id: 40342 | 60 MACARTHUR BLVD | E 0 - 1/8 (0.051 mi.) | C7 | 15 |
| BATTLES PONTIAC Tank Status: Removed Facility Id: 10092 | 50 MACARTHUR BLVD | E 0 - 1/8 (0.085 mi.) | C10 | 23 |
| FRANK BATTLES INC Tank Status: Removed Facility Id: 1803 | 48 MACARTHUR BLVD | E 0 - 1/8 (0.110 mi.) | E12 | 26 |
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
| BOURNE ROTARY TEXACO Tank Status: Removed Tank Status: In Use Facility Id: 1179 Facility Id: 1180 | 4 MACARTHUR BLVD | NE 1/8 - 1/4 (0.220 mi.) | F16 | 34 |

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: 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 / NLR list, as provided by EDR, and dated 06/09/2015 has revealed that

there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|------------------|------------------|--------------------------|--------|------|
| CUMBERLAND FARMS | 4 MACARTHUR BLVD | NE 1/8 - 1/4 (0.220 mi.) | F17 | 38 |

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|------------------------|---------|-----------------------|--------|------|
| OTIS AIR FORCE BASE | | E 1/2 - 1 (0.583 mi.) | 0 | 12 |

HW GEN: Permanent generator identification numbers for all Massachusetts generators of hazardous waste and waste oil that have registered with or notified MassDEP of their hazardous waste activities.

A review of the HW GEN list, as provided by EDR, and dated 09/25/2015 has revealed that there are 8 HW GEN sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|--|---------------------|--------------------------|-----------|------|
| RUSS GULF State Generator Status: SQG-MA EPA Id: MAD985290592 | 60 MACARTHUR BLVD | E 0 - 1/8 (0.051 mi.) | C7 | 15 |
| BATTLES PONTIAC State Generator Status: LQG-MA EPA Id: MAD985269018 | 50 MACARTHUR BLVD | E 0 - 1/8 (0.085 mi.) | C10 | 23 |
| MY GENERATION ENERGY State Generator Status: VQG-MA EPA Id: MV5082593408 | 53 MACARTHUR BLVD | E 0 - 1/8 (0.117 mi.) | E13 | 27 |
| SEL FOREIGN AUTO LTD State Generator Status: VQG-MA EPA Id: MV5087594044 | 7 COLONEL DR | S 1/8 - 1/4 (0.228 mi.) | 19 | 41 |
| CAPE MARINE State Generator Status: SQG-MA EPA Id: MV5087594455 | 140 MACARTHUR BLVD | SE 1/8 - 1/4 (0.242 mi.) | 23 | 47 |
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
| ANIMAL HEALTH CLINIC EPA Id: MV5087595810 | 82 TROWBRIDGE RD | NW 0 - 1/8 (0.007 mi.) | B5 | 14 |
| BOURNE HIGH SCHOOL EPA Id: MAD100279462 | 75 WATERHOUSE RD | SSW 0 - 1/8 (0.078 mi.) | D9 | 20 |
| CUMBERLAND FARMS State Generator Status: VQG-MA EPA Id: MAC300003803 | 4 GENERAL MACARTHUR | NE 1/8 - 1/4 (0.220 mi.) | F18 | 40 |

MERCURY: A listing of locations, collecting and recycling for mercury-added products. Mercury is toxic to the human nervous system, as well as fish and animals. Mercury can enter the body either through skin absorption or through inhalation of mercury vapors. At room temperature, small beads of mercury will vaporize.

A review of the MERCURY list, as provided by EDR, and dated 08/28/2015 has revealed that there is 1 MERCURY site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|------------------------|----------------------|---------------------------|--------|------|
| RECYCLING CENTER | 201 MACARTHUR BOULEV | SSE 1/4 - 1/2 (0.500 mi.) | H28 | 54 |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

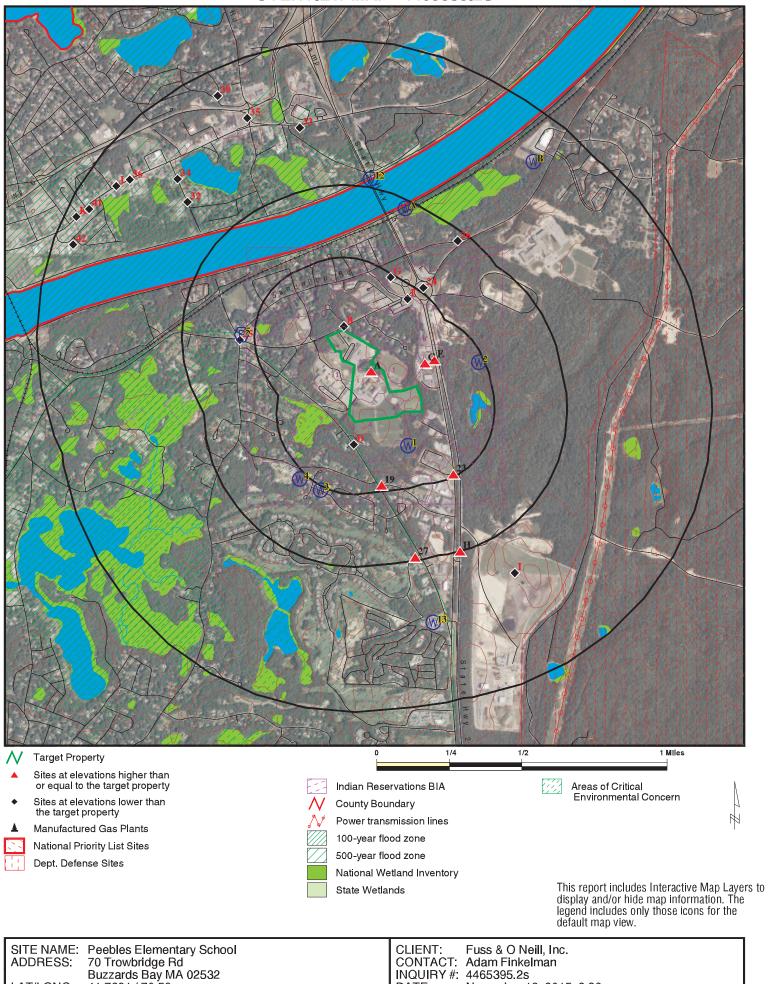
A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US Hist Cleaners site within approximately 0.125 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|-----------------|-------------------|-------------------------|--------|------|
| Not reported | 105 TROWBRIDGE RD | NNW 0 - 1/8 (0.012 mi.) | B6 | 14 |

Due to poor or inadequate address information, the following sites were not mapped. Count: 17 records.

| Site Name | Database(s) |
|------------------------------------|---------------|
| SCENIC HWY REST AREA | SHWS, RELEASE |
| BOURNE ROTARY | SHWS, RELEASE |
| ON RAMP TO MID CAPE HIGHWAY | SHWS, RELEASE |
| FMR A RANGE | SHWS, RELEASE |
| NEAR BORNE BRIDGE | SHWS, RELEASE |
| MARION LN | SHWS, RELEASE |
| OLD GUN POSITION 19 | SHWS, RELEASE |
| ISLAND CHANNEL | SHWS, RELEASE |
| MP-4 | SHWS, RELEASE |
| CANAL RD | SHWS, RELEASE |
| WOODED AREA NEAR REST AREA | SHWS, RELEASE |
| NO LOCATION AID | SHWS, RELEASE |
| CA-1 | SHWS, RELEASE |
| B NO 120 | SHWS, RELEASE |
| BROOKSIDE DEVELOPMENT CORP LANDFIL | SWF/LF |
| BOURNE MIDDLE SCHOOL | SWF/LF |
| BOURNE SANITARY LANDFILL | ODI |

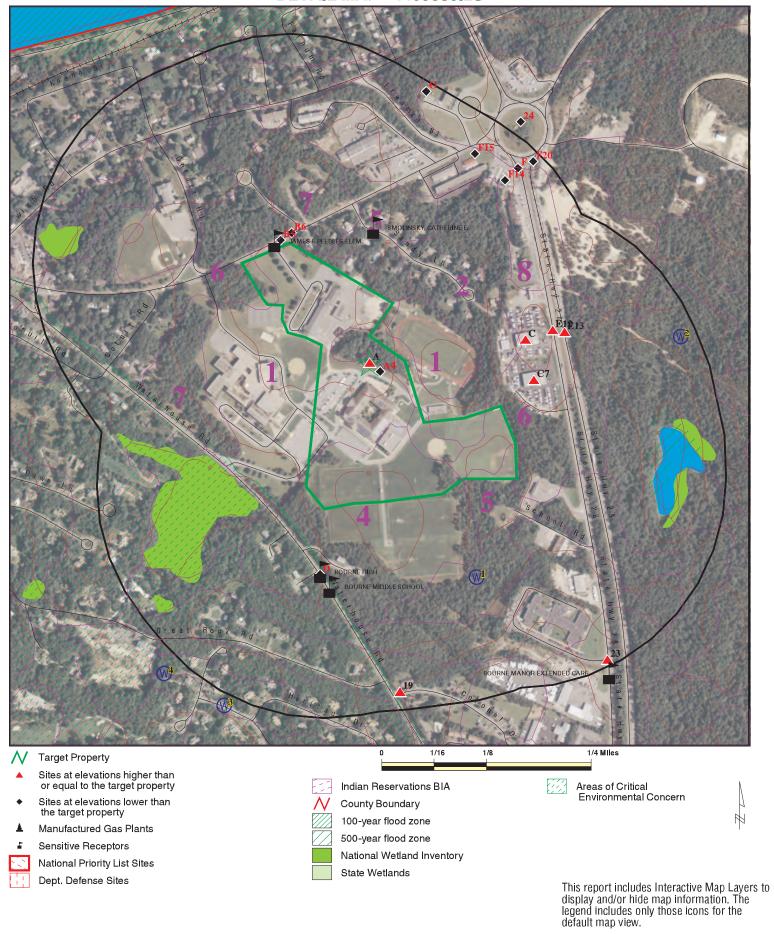
OVERVIEW MAP - 4465395.2S



LAT/LONG: 41.7391/70.59 DATE: November 12, 2015 3:26 pm Copyright © 2015 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

INQUIRY #: 4465395.2s

DETAIL MAP - 4465395.2S



SITE NAME: Peebles Elementary School
ADDRESS: 70 Trowbridge Rd
Buzzards Bay MA 02532
LAT/LONG: 41.7391 / 70.59

CLIENT: Fuss & O Neill, Inc.
CONTACT: Adam Finkelman
INQUIRY #: 4465395.2s
DATE: November 12, 2015 3:27 pm

Copyright @ 2015 EDR, Inc. @ 2010 Tele Atlas Rel. 07/2009.

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------------|--------------------|--------------|--------------|----------------|----------------|----------------|------------------|
| STANDARD ENVIRONMENT | 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 | | | | | | | | |
| FEDERAL FACILITY CERCLIS | 0.500 0.500 | | 0 0 | 0 0 | 0 0 | NR NR | NR NR | 0 0 |
| Federal CERCLIS NFRA | P site List | | | | | | | |
| CERC-NFRAP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| 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 3 | 0 0 1 | NR NR NR | NR NR NR | NR NR NR | 0 0 4 |
| Federal institutional con engineering controls reg | | | | | | | | |
| LUCIS US ENG CONTROLS US INST CONTROL | 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 | 3 | | | | | | |
| SHWS | 1.000 | | 1 | 3 | 4 | 14 | NR | 22 |
| State and tribal landfill a solid waste disposal site | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| State and tribal leaking | storage tank l | ists | | | | | | |
| LAST LUST INDIAN LUST | 0.500 0.500 0.500 | | 0 0 0 | 0 1 0 | 1 0 0 | NR NR NR | NR NR NR | 1 1 0 |
| State and tribal registere | ed storage tar | ık lists | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|--------------------|---|---|---|--------------------------------------|--|---------------------------------|
| UST AST INDIAN UST | 0.250 0.250 0.250 | | 3 0 0 | 1 0 0 | NR NR NR | NR NR NR | NR NR NR | 4 0 0 |
| State and tribal institutio control / engineering con | | ; | | | | | | |
| INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal voluntary | cleanup sites | s | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal Brownfie | lds sites | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ADDITIONAL ENVIRONMEN | TAL RECORDS | | | | | | | |
| | | | | | | | | |
| Local Brownfield lists | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Local Lists of Landfill / S Waste Disposal Sites | olid | | | | | | | |
| INDIAN ODI DEBRIS REGION 9 ODI | 0.500 0.500 0.500 | | 0 0 0 | 0 0 0 | 0 0 0 | NR NR NR | NR NR NR | 0 0 0 |
| Local Lists of Hazardous Contaminated Sites | waste / | | | | | | | |
| US HIST CDL US CDL | TP TP | | NR NR | NR NR | NR NR | NR NR | NR NR | 0 0 |
| Local Land Records | | | | | | | | |
| LIENS LIENS 2 | TP TP | | NR NR | NR NR | NR NR | NR NR | NR NR | 0 0 |
| Records of Emergency R | Release Report | ts | | | | | | |
| HMIRS SPILLS RELEASE SPILLS 90 SPILLS 80 | TP TP TP TP TP | 1 | NR NR NR NR NR | NR NR NR NR NR | NR NR NR NR NR | NR NR NR NR NR | NR NR NR NR NR | 0 0 0 1 0 |
| Other Ascertainable Rec | ords | | | | | | | |
| RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA | 0.250 1.000 1.000 0.500 TP TP 0.250 | | 0 0 0 0 NR NR 0 NR | 1 0 0 0 NR NR NR 0 NR | NR 0 0 0 NR NR NR NR | NR 0 1 NR NR NR NR | NR NR NR NR NR NR NR | 1 0 1 0 0 0 0 |

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|--|--------------------|--|---------------|---|---------------|---|---|
| TRIS SSTS ROD RMP RAATS PRP PADS ICIS FTTS MLTS COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO HIST FTTS DOT OPS CONSENT INDIAN RESERV UMTRA LEAD SMELTERS US AIRS US MINES FINDS AIRS DRYCLEANERS ENF Financial Assurance GWDP HW GEN LEAD MERCURY NPDES TIER 2 | TP TP 1.000 TP | Property 1 | NR O RR RR RR RR O RR NR O O O RR O RR | 1/8 - 1/4 NR | 1/4 - 1/2 NR NR O NR NR NR NR O NR | 1/2 | 1 NR R R R R R R R R R R R R R R R R R R | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| TSD EDR HIGH RISK HISTORICA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| EDR Exclusive Records | LICONDO | | | | | | | |
| EDR MGP EDR US Hist Auto Stat EDR US Hist Cleaners | 1.000 0.125 0.125 | | 0 0 1 | 0 NR NR | 0 NR NR | 0 NR NR | NR NR NR | 0 0 1 |
| EDR RECOVERED GOVERNMENT ARCHIVES | | | | | | | | |
| Exclusive Recovered Gov | vt. Archives | | | | | | | |
| RGA HWS RGA LUST | TP TP | | NR NR | NR NR | NR NR | NR NR | NR NR | 0 |
| - Totals | | 3 | 13 | 10 | 7 | 15 | 0 | 48 |

Search

Distance (Miles)

Target Property

< 1/8 1/8 - 1/4

1/4 - 1/2

1/2 - 1

> 1

Total Plotted

NOTES:

Database

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

Database(s) EPA ID Number

A1 PEEPLES SCHOOL SPILLS 90 S112326338
Target TROW BRIDE RD N/A

Property BUZZARDS BAY, MA 02532

Site 1 of 4 in cluster A

Actual: 89 ft.

Spills:
Status: RETRACTED

Contact Name: Not reported Contact Phone: Not reported Site ID: 4-0011607 Secondary ID: Not reported Cross Street: Not reported BARNSTABLE County: Longitude: -70589760 Latitude: 41738945 Elevation: 74

CASE# CLOSED Spill Date: Not reported Notifier: Not reported Spill Time: Not reported Phone: Not reported Report Date: 08/24/95 Staff: Not reported #2 FUEL OIL Material: Pet/Haz: Not reported Lust: Not reported Pcb Level: Not reported Vir/Waste: Not reported Soil Contam: Not reported Source: UST Incident: 72 HR par Env Impact: Not reported Quantity Reported: Not reported Not reported Contractor: Quantity Actual: Not reported Prepare Rpt: Not reported

A2 PEBLES SCHOOL TIER 2 S112291778
Target 70 TROWBRIDGE ROAD N/A
Property BOURNE, MA 02532

Not reported

Not reported

Not reported

Site 2 of 4 in cluster A

Units Reported:

Days/Close:

Units Actual:

Actual: 89 ft.

TIER 2:

Report Year: 2014

Facility Id: FATR20145R14AQ009NBY

Facility Dept: Not reported
Latitude: 41.74129
Longitude: -70.59304
Mailing Address: Not reported
Mailing City/State/Zip: Not reported
Mailing Country: Not reported

Notes: The Peebles School has added natural gas to its heating system as a

primary heat. This fuel oil tank is being phased out as of 2011. The fuel quantities are smaller this year and this tank is in place as a

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

PEEBLES SCHOOL (Continued)

S112291778

EDR ID Number

back up heating system for this facility.

All Chemicals Same As Last Yr: Not reported
Date Signed: 3/3/2015
Dike Or Other Safeguard: Not reported
Failed Validation: Not reported
Date Modified: 04/03/2015
Fees Total: Not reported
Num Of Employees: 450

Num Of Employees: 450
Site Coord Abbreviated?: Not reported

Site Map:

State Label Code: MA2014

Submitted By: Edward S. Donoghue

Validation Report:

Fire District:

Latlong Location Description:

Latlong Method:

Not reported
Not reported
Not reported

Record Key: FDTR20145R14AQ00ANBY

ld: 8211 Type: SIC

Description: ELEMENTARY & SECONDARY SCHOOLS

Last Modified: 4/4/2008

Record Key: FDTR20145R14AQ00BNCE

ld: 61111 Type: NAICS

Description: Elementary and Secondary Schools

Last Modified: 2/26/2009

Record Key: FDTR2014AJ7MHS007UH9

ld: N/A

Type: Dun & Bradstreet

Description: N/A Last Modified: 3/3/2015

Contact:

Report Year: 2014

Contact Record Id: CTTR20145QX0JC005WVV

Title: Director Bus Serv

Contact Name: Donoghue

Contact Email: edonoghue@bourneps.org

Contact Mail Address: 36 Sandwich Road

Contact Mail City: Bourne
Contact Mail State: MA
Contact Mail Zip: 02532
Contact Mail Country: USA
Contact Type: Submitter

Contact2 Type: Emergency Contact
Contact3 Type: Owner / Operator
Contact4 Type: Tier II Information Contact

Modification Date: 3/3/2015

Contact:

Report Year: 2014

Contact Record Id: CTTR201472JJX7005CXJ

MAP FINDINGS Map ID

Direction Distance

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

PEEBLES SCHOOL (Continued)

S112291778

Title: Chemical Hauler Contact Name: Burke, Inc. Contact Email: Not reported Contact Mail Address: PO BOX 3639 Contact Mail City: **Boston**

Contact Mail State: MA Contact Mail Zip: 02241 Contact Mail Country: USA

Contact1 Type: **Chemical Carrier** Contact2 Type: Not reported Contact3 Type: Not reported Contact4 Type: Not reported Modification Date: 3/3/2015

Contact:

Report Year: 2014

Contact Record Id: CTTR201472JJCM001AKQ

Title: Maintenance Contact Name: Parma

Contact Email: mparma@bourneps.org 36 Sandwich Road Contact Mail Address:

Contact Mail City: Bourne Contact Mail State: MA 02532 Contact Mail Zip: Contact Mail Country: USA

Contact1 Type: **Emergency Contact** Contact2 Type: Not reported Contact3 Type: Not reported Contact4 Type: Not reported Modification Date: 3/3/2015

Chemicals:

Acute: Not reported Ave Amount: 1688 Ave Amount Code:

CVTR20145R14LS00JBRM Chem Inv Record Id:

Chem Same As Last Yr: Τ Chronic: Т

CICAS: 68476-34-6 CI EHS Chemical: Not reported CI Last Modified: 3/3/2015 Days On Site: 365

Entered Chemical Name: **FUEL OIL 2-D**

Fire:

Gas: Not reported

Liquid:

3375 Max Amount: Max Amount Code: 04 Max Amt Container: 3375 Not reported Mixture: Pressure: Not reported

Pure:

Reactive: Not reported Solid: Not reported

MAP FINDINGS Map ID

Direction Distance

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

PEEBLES SCHOOL (Continued)

S112291778

State01 Checkbox: Not reported

State01 Number:

State01 Text: No Shipment State02 Checkbox: Not reported

State02 Number: State02 Text: Year State03 Checkbox: Not reported State03 Number:

State03 Text: Not reported State04 Checkbox: Not reported

State04 Number: State04 Text: Liquid State05 Checkbox: Not reported State05 Text: Not reported State06 Checkbox: Not reported State06 Text: Not reported

State07 Checkbox:

State07 Text: No chemical carrier or shipment. Chemical stored onsite.

State1 Contact Field: n/a MA2014 State Label Code: Trade Secret: Not reported

Location:

Record Key: CLTR20145R14PS00KYF8 Chem Inv Record Id: CVTR20145R14LS00JBRM

Type Code: Below ground tank Pressure Code: Ambient pressure Temperature Code: Ambient temperature Location: Front of School building.

Amount: 3375 Amount Unit: pounds Last Modified: 3/3/2015

> Click this hyperlink while viewing on your computer to access 3 additional MA TIER2: record(s) in the EDR Site Report.

> Click this hyperlink while viewing on your computer to access 3 additional MA TIER2: record(s) in the EDR Site Report.

> Click this hyperlink while viewing on your computer to access 3 additional MA TIER2: record(s) in the EDR Site Report.

> Click this hyperlink while viewing on your computer to access 3 additional MA TIER2: record(s) in the EDR Site Report.

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

A3 JAMES F PEEBLES ELEMENTARY - WIP FINDS 1008305961
Target 70 TROWBRIDGE RD N/A

Target 70 TROWBRIDGE RD
Property BOURNE, MA 02532

Site 3 of 4 in cluster A

Actual: 89 ft. FINDS:

Registry ID: 110036676978

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

DOD OTIS AIR FORCE BASE DOD CUSA115053
Region N/A

Region East

OTIS AIR FORCE BASE (County), MA

1/2-1 3076 ft.

DOD:

Feature 1: Air Force DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Otis Air Force Base
Name 2: Not reported
Name 3: Not reported

State: MA DOD Site: Yes

Tile name: MABARNSTABLE

A4 PEEBLES SCHOOL SHWS \$104562736 TROW BRIDGE RD RELEASE N/A

< 1/8 BOURNE, MA 02532

1 ft.

Site 4 of 4 in cluster A

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0015411 / RAO

Release Town: BOURNE

Actual: Notification Date: 04/07/2000

87 ft. Category: TWO HR

Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

PEEBLES SCHOOL (Continued)

S104562736

EDR ID Number

Status Date: 06/05/2000 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:

Location Type:

SCHOOL

Location Type:

MUNICIPAL

Source:

VEHICLE

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

Chemicals:

Chemical: DIESEL FUEL Quantity: 17 gallons

Actions:

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: 4/11/2000

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: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 4/7/2000

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

Action Date: 4/7/2000

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

Action Date: 6/5/2000

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: 6/5/2000

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

to background or a threat of release has been eliminated.

Release:

Release Tracking Number/Current Status: 4-0015411 / RAO
Primary ID: Not reported
Official City: BOURNE
Notification: 04/07/2000
Category: TWO HR
Status Date: 06/05/2000
Phase: Not reported

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

Direction Distance

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

PEEBLES SCHOOL (Continued)

S104562736

N/A

EDR ID Number

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

Oil / Haz Material Type: Oil

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

B5 ANIMAL HEALTH CLINIC HW GEN S112557397

82 TROWBRIDGE RD N/A

BOURNE, MA 02532 < 1/8

0.007 mi.

NW

Site 1 of 2 in cluster B 39 ft.

HW GEN: Relative:

EPA Id: MV5087595810 Lower

RCRA Generator Status: VSQG Actual: State Generator Status: Not reported

79 ft.

B6 EDR US Hist Cleaners 1014971055 NNW

105 TROWBRIDGE RD < 1/8 **BUZZARDS BAY, MA 02532**

0.012 mi.

65 ft. Site 2 of 2 in cluster B

EDR Historical Cleaners: Relative:

Name: LAUNDRY CENTER THE Lower

Year: 1999

Actual: 105 TROWBRIDGE RD Address:

79 ft.

Name: LAUNDRY CENTER THE

Year:

Address: 105 TROWBRIDGE RD

Name: LAUNDRY CTR

Year: 2001

Address: 105 TROWBRIDGE RD

Name: LAUNDRY CTR

Year: 2002

Address: 105 TROWBRIDGE RD

Name: LAUNDRY CTR

2003 Year:

105 TROWBRIDGE RD Address:

Name: LAUNDRY CTR

Year: 2004

Address: 105 TROWBRIDGE RD

Name: THE LAUNDRY CENTER

Year: 2007

Address: 105 TROWBRIDGE RD

Name: LAUNDRY CENTER THE

Year: 2008

Address: 105 TROWBRIDGE RD

Direction Distance

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

(Continued) 1014971055

Name: LAUNDRY CENTER

2010 Year:

105 TROWBRIDGE RD Address:

Name: THE LAUNDRY CENTER

Year: 2011

105 TROWBRIDGE RD Address:

THE LAUNDRY CENTER Name:

Year: 2012

105 TROWBRIDGE RD Address:

C7 RUSS GULF RCRA-CESQG 1000864719

MAD985290592 **Fast 60 MACARTHUR BLVD** UST **BOURNE, MA 02532** < 1/8 **FINDS**

0.051 mi. **Financial Assurance** 269 ft. Site 1 of 3 in cluster C **HW GEN**

RCRA-CESQG: Relative:

Date form received by agency: 04/25/2008 Higher

Facility name: NISSAN OF BOURNE Actual: Facility address: 60 MACARTHUR BLVD

96 ft. BOURNE, MA 02532 EPA ID: MAD985290592

Contact: ANTONY PROVOST Contact address: 60 MACARTHUR BLVD

BOURNE, MA 025320000

Contact country: US

5087594400X2330 Contact telephone: Contact email: Not reported

EPA Region: 01

Classification: Conditionally Exempt Small Quantity Generator

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

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:

NISSAN OF BOURNE Owner/operator name: Owner/operator address: 60 MACARTHUR BLVD BOURNE, MA 02532

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 03/09/2007 Owner/Op end date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

RUSS GULF (Continued) 1000864719

Owner/operator name: NISSAN OF BOURNE
Owner/operator address: 60 MACARTHUR BLVD
BOURNE, MA 02532

BOURNE, MA 029

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner

Owner/Op start date:

Owner/Op end date:

Not reported

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

Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: MA98

. Waste name: OFF SPECIFICATION USED OIL FUEL THAT IS SHIPPED USING A HW MANIFEST

Historical Generators:

Date form received by agency: 09/03/1993

Site name: NISSAN OF BOURNE
Classification: Not a generator, verified

Waste code: D001

Waste name: IGNITABLE WASTE

Violation Status: No violations found

UST:

Facility:

Facility ID: 40342 Owner Id: 66264

Owner: SHOWCASE NISSAN SUZUK I INC

Owner Address: 60 MACARTHUR BLVD
Owner City,St,Zip: BOURNE, MA 02532
Telephone: (508) 759-2900
Description: Vehicle Dealer

Fire Dept. ID: 1036

Date of Inspection: Not reported

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

RUSS GULF (Continued)

1000864719

EDR ID Number

Tank ID:

Not reported Serial Number: Tank Status: Removed Status Date: 08/25/1995 Date Installed: 07/01/1987 Capacity: 4000 Contents: Gasoline Tank Type: 2 Walls Tank Usage: Not reported Tank Material: Steel Tank Leak Detection: Not reported Cathodic Pipe Material: Not reported Pipe Container: Pipe Leak Detection: Not reported

Above Ground: No

Tank ID: 2

Serial Number: Not reported Tank Status: Removed Status Date: 03/23/1999 Date Installed: 08/25/1995 4000 Capacity: Contents: Gasoline 2 Walls Tank Type: Tank Usage: ΜV Tank Material: Steel

Tank Leak Detection: Inventory Record-Keeping

Pipe Material: Cathodic Pipe Container: 1 Wall

Pipe Leak Detection: Suction: Check Valve at Tank

Above Ground: No

FINDS:

Registry ID: 110003491999

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

MA Financial Assurance 2:

Facility Id: 40342
Description: Vehicle Dealer
Work Phone: (508) 759-2900

HW GEN:

EPA ld: MAD985290592

Direction Distance

Elevation Site Database(s) EPA ID Number

RUSS GULF (Continued) 1000864719

RCRA Generator Status: VSQG State Generator Status: SQG-MA

D8 BOURNE HIGH SCHOOL RCRA-CESQG
SSW 75 WATERHOUSE RD FINDS
< 1/8 BOURNE, MA 02532

0.078 mi.

412 ft. Site 1 of 2 in cluster D

Relative: RCRA-CESQG:

Lower Date form received by agency: 06/10/1988

Facility name: BOURNE HIGH SCHOOL

Actual: Facility address: 75 WATERHOUSE RD

58 ft. BOURNE, MA 02532

EPA ID: MAD100279462
Contact: ROBERT WOOD
Contact address: 75 WATERHOUSE RD

BOURNE, MA 02532

Contact country: US

Contact telephone: (508) 759-3521 Contact email: Not reported

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: BOURNE HIGH SCHOOL
Owner/operator address: 75 WATERHOUSE RD
BOURNE, MA 02532

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 12/08/1991 Owner/Op end date: Not reported

Owner/operator name: TOWN OF BOURNE
Owner/operator address: 75 WATERHOUSE RD

BOURNE, MA 02532

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Municipal Owner/Operator Type: Owner Owner/Op start date: 10/16/2004

EDR ID Number

1004518315

MAD100279462

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

BOURNE HIGH SCHOOL (Continued)

1004518315

EDR ID Number

Not reported

Handler Activities Summary:

Owner/Op end date:

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: 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

Waste code: D002

Waste name: CORROSIVE WASTE

. Waste code: D011 . Waste name: SILVER

Violation Status: No violations found

FINDS:

Registry ID: 110024359996

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.

AIR EMISSIONS CLASSIFICATION UNKNOWN

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

Direction Distance

Elevation Site Database(s) EPA ID Number

BOURNE HIGH SCHOOL (Continued)

1004518315

EDR ID Number

corrective action activities required under RCRA.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer System

AIR MINOR

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

 D9
 BOURNE HIGH SCHOOL
 HW GEN
 \$112291774

 SSW
 75 WATERHOUSE RD
 TIER 2
 N/A

< 1/8 0.078 mi.

412 ft. Site 2 of 2 in cluster D

BOURNE, MA 02532

Relative: HW GEN:

Lower EPA ld: MAD100279462

RCRA Generator Status: VSQG
Actual: State Generator Status: Not reported

58 ft.

TIER 2:

Report Year: 2011

Facility Id: FATR20115QX0EN002QMQ

Facility Dept: Not reported
Latitude: 41.44198
Longitude: 70.353504
Mailing Address: Not reported
Mailing City/State/Zip: Not reported
Mailing Country: Not reported

Notes: Hoxie School at 30 Williston Road in Bourne is no longer open in this

school district. The reporting for the fuel oil is handled by the

Town of Bourne.The 33,500 pounds of fuel is delivered by Peterson Oil on Queen Anne Road in Harwich.James P. Lyle school's ownership has been transferred to the Commonwealth of Massachusetts approximately

in the fall of 2011. The reporting for the fuel oil will no longer be done for James P. Lyle school by the Bourne Public Schools.

All Chemicals Same As Last Yr: T

Date Signed: 2/28/2012
Dike Or Other Safeguard: Not reported
Failed Validation: Not reported
Date Modified: 12/05/2012
Fees Total: Not reported

Num Of Employees: 87

Direction Distance

Elevation Site Database(s) EPA ID Number

BOURNE HIGH SCHOOL (Continued)

S112291774

EDR ID Number

Site Coord Abbreviated?: Not reported

Site Map:

State Label Code: MA2011

Submitted By: Edward S. Donoghue

Validation Report: Note: entered latitude/longitude does not fall within bounding box of

Barnstable County. This facility passed all validation checks.

Fire District: Bourne

Latlong Location Description: AB - Administrative Building

Latlong Method: A1 - Address Matching (House Number)

Record Key: FDTR20115QX0EN003QN5

ld: 8211 Type: SIC

Description: ELEMENTARY & SECONDARY SCHOOLS

Last Modified: 4/4/2008

Record Key: FDTR20115QX0EN004QN5

ld: 61111 Type: NAICS

Description: Elementary and Secondary Schools

Last Modified: 2/26/2009

Contact:

Report Year: 2011

Contact Record Id: CTTR20115QX0JC005WVV

Title: Director Bus Serv Contact Name: Donoghue

Contact Email: edonoghue@bourne.k12.ma.us

Contact Mail Address: 36 Sandwich Road

Contact Mail City: Bourne
Contact Mail State: MA
Contact Mail Zip: 02532
Contact Mail Country: USA
Contact1 Type: Submitter

Contact2 Type: Emergency Contact
Contact3 Type: Owner / Operator
Contact4 Type: Not reported
Modification Date: 2/28/2012

Contact:

Report Year: 2011

Contact Record Id: CTTR201172JJCM001AKQ

Title: Maintenance Contact Name: Wing

Contact Email: lwing@bourne.k12.ma.us
Contact Mail Address: 36 Sandwich Road

Contact Mail City: Bourne
Contact Mail State: MA
Contact Mail Zip: 02532
Contact Mail Country: USA

Contact1 Type: Emergency Contact
Contact2 Type: Not reported
Contact3 Type: Not reported
Contact4 Type: Not reported
Modification Date: 2/28/2012

Direction Distance

Elevation Site Database(s) EPA ID Number

BOURNE HIGH SCHOOL (Continued)

S112291774

EDR ID Number

Contact:

Report Year: 2011

Contact Record Id: CTTR201172JJX7005CXJ

Title: Chemical Hauler
Contact Name: Burke, Inc.
Contact Email: Not reported
Contact Mail Address: PO BOX 3639
Contact Mail City: Boston

Contact Mail State: MA Contact Mail Zip: 02241 Contact Mail Country: USA Contact1 Type: Other Contact2 Type: Not reported Contact3 Type: Not reported Contact4 Type: Not reported Modification Date: 3/9/2010

Chemicals:

Acute: Not reported Ave Amount: 65000 Ave Amount Code: 04

Observation Description OV/TD00

Chem Inv Record Id: CVTR20115QX0TV00E48G

Chem Same As Last Yr: T Chronic: T

CICAS: 68476-34-6
CI EHS Chemical: Not reported
CI Last Modified: 2/28/2012
Days On Site: 365

Entered Chemical Name: FUEL OIL 2-D

Fire:

Gas: Not reported

Liquid: T
Max Amount: 135000
Max Amount Code: 05
Max Amt Container: 65000
Mixture: Not reported
Pressure: Not reported

Pure: T

Reactive: Not reported Solid: Not reported State01 Checkbox: Not reported State01 Number: 67500 State01 Text: Not reported

State02 Checkbox: Т State02 Number: 1 State02 Text: Month State03 Checkbox: Not reported State03 Number: 40500 State03 Text: Not reported State04 Checkbox: Not reported 40500 State04 Number: State04 Text: Liquid State05 Checkbox: Not reported State05 Text: Not reported State06 Checkbox: Not reported

Direction Distance

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

BOURNE HIGH SCHOOL (Continued)

S112291774

State06 Text: Not reported State07 Checkbox: Not reported

State07 Text: After Bourne Bridge, take right off rotary to Trowbridge Road,

forward .5 miles to Bourne HS.

State1 Contact Field: Dennis K. Burke, Inc

State Label Code: MA2011 Trade Secret: Not reported

Location:

Record Key: CLTR20115R14XX00PZKR Chem Inv Record Id: CVTR20115QX0TV00E48G

Type Code: Below Ground Tank Pressure Code: Ambient pressure Ambient temperature Temperature Code: Location: Front of School

67500 Amount: Amount Unit: pounds Last Modified: 2/28/2012

Record Key: CLTR20115R14YQ00QNZQ Chem Inv Record Id: CVTR20115QX0TV00E48G

Type Code: Below Ground Tank Pressure Code: Ambient pressure Temperature Code: Ambient temperature Location: Rear of School

67500 Amount: Amount Unit: pounds Last Modified: 2/28/2012

UST U001006282 **BATTLES PONTIAC 50 MACARTHUR BLVD Financial Assurance** N/A

BUZZARDS BAY, MA 02532 < 1/8 0.085 mi. 449 ft.

C10

East

Site 2 of 3 in cluster C

Relative:

UST: Facility:

Actual: 102 ft.

Higher

Facility ID: 10092 Owner Id: 5599

Owner: JEFF BATTLES Owner Address: 50 MACARTHUR BLVD Owner City, St, Zip: BOURNE, MA 02532 (508) 759-0500 Telephone: Description: Vehicle Dealer

Fire Dept. ID: 1036 Date of Inspection: Not reported

Tank ID:

Serial Number: Not reported Tank Status: Removed 08/06/1996 Status Date: Date Installed: 03/22/1987 Capacity: 4000 Contents: Gasoline Tank Type: 2 Walls

HW GEN

Direction Distance

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

BATTLES PONTIAC (Continued)

U001006282

1000188802

MAD985269018

Tank Usage: Not reported

Tank Material: Steel

Tank Leak Detection: Inventory Record-Keeping

Cathodic Pipe Material: Pipe Container: Not reported Pipe Leak Detection: Not reported

Above Ground: No

MA Financial Assurance 2:

Facility Id: 10092 Description: Vehicle Dealer Work Phone: (508) 759-0500

HW GEN:

EPA Id: MAD985269018

RCRA Generator Status: VSQG State Generator Status: LQG-MA

RCRA-CESQG

C11 **BATTLES BUICK GMC** East **50 MACARTHUR BLVD** < 1/8 **BOURNE, MA 02532**

0.085 mi.

Actual:

102 ft.

449 ft. Site 3 of 3 in cluster C

RCRA-CESQG: Relative:

Date form received by agency: 04/05/2011 Higher

Facility name: BATTLES BUICK GMC Facility address: 50 MACARTHUR BLVD

BOURNE, MA 02532 EPA ID: MAD985269018 Contact: ROBERT CONSONI

50 MACARTHUR BLVD Contact address: BUZZARDS BAY, MA 025320000

Contact country: US

Contact telephone: (508) 759-0500 Contact email: Not reported

EPA Region: 01

Conditionally Exempt Small Quantity Generator Classification:

Handler: generates 100 kg or less of hazardous waste per calendar Description: 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: FRANK BATTLES INC Owner/operator address: 50 MACARTHUR BLVD

Direction Distance Elevation

n Site Database(s) EPA ID Number

BATTLES BUICK GMC (Continued)

1000188802

EDR ID Number

BUZZARDS BAY, MA 02532

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
US
Not reported
Owner
Owner
Owner
Owner
Owner
Owner/Op end date:
Not reported

Owner/operator name: FRANK BATTLES INC
Owner/operator address: 50 MACARTHUR BLVD
BUZZARDS BAY, MA 02532

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1987
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

Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: MA98

. Waste name: OFF SPECIFICATION USED OIL FUEL THAT IS SHIPPED USING A HW MANIFEST

Historical Generators:

Date form received by agency: 04/13/1988

Site name: BATTLES BUICK GMC Classification: Small Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

Violation Status: No violations found

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

E12 FRANK BATTLES INC UST U001534515
East 48 MACARTHUR BLVD Financial Assurance N/A

< 1/8 0.110 mi.

583 ft. Site 1 of 2 in cluster E

BOURNE, MA 02561

Relative: Higher UST: Facility:

Actual: 99 ft.

Facility ID: 1803 Owner Id: 10689

Owner: FRANK BATTLES INC
Owner Address: 50 MACARTHUR BLVD
Owner City,St,Zip: BOURNE, MA 02532
Telephone: (888) 202-2350
Description: Gas Station
Fire Dept. ID: 1036
Date of Inspection: 07/30/2010

Tank ID:

Serial Number: Not reported Tank Status: Removed 01/30/2014 Status Date: 05/13/1993 Date Installed: Capacity: 15000 Contents: Gasoline Tank Type: 2 Walls Tank Usage: MVTank Material: Composite

Tank Leak Detection: Interstitial Monitoring

Pipe Material: Flexible Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

Tank ID: 2

Serial Number: Not reported Removed Tank Status: Status Date: 01/30/2014 05/13/1993 Date Installed: 10000 Capacity: Contents: Gasoline Tank Type: 2 Walls Tank Usage: MVTank Material: Composite

Tank Leak Detection: Interstitial Monitoring

Pipe Material: Flexible Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

MA Financial Assurance 2:

Facility Id: 1803
Description: Gas Station
Work Phone: (508) 888-1469

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

E13 MY GENERATION ENERGY HW GEN \$113410309

N/A

1008880706

MAC300003803

RCRA-CESQG

East 53 MACARTHUR BLVD < 1/8 BOURNE, MA 02532

0.117 mi.

620 ft. Site 2 of 2 in cluster E

Relative: HW GEN:

Higher EPA Id: MV5082593408
RCRA Generator Status: Not reported
Actual: State Generator Status: VQG-MA

92 ft.

F14 CUMBERLAND FARMS INC 2186
NE 4 GEN MACARTHUR BLVD

1/8-1/4 BOURNE, MA 02532

0.199 mi.

1050 ft. Site 1 of 6 in cluster F

Relative: RCRA-CESQG:

Lower Date form received by agency: 09/07/2005

Facility name: CUMBERLAND FARMS INC 2186
Facility address: 4 GEN MACARTHUR BLVD

Actual: Facility address: 4 GEN MACARTHUR 78 ft. BOURNE, MA 02532

EPA ID: MAC300003803

Mailing address: CUMBERLAND FARMS, INC.

777 DEDHAM ST.

CANTON, MA 020210000

Contact: MELISSA GLIDDEN

Contact address: CUMBERLAND FARMS, INC. 777 DEDHAM ST.

CANTON, MA 020210000

Contact country: US

Contact telephone: 8002259702X3412

Contact email: MGLIDDEN@CUMBERLANDFARMS.COM

EPA Region: 0°

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: CUMBERLAND FARMS INC

Owner/operator address: CUMBERLAND FARMS, INC. 777 DEDHAM ST.

CANTON, MA 02021

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1986
Owner/Op end date: Not reported

Direction Distance

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

CUMBERLAND FARMS INC 2186 (Continued)

1008880706

Owner/operator name: **CUMBERLAND FARMS INC**

CUMBERLAND FARMS, INC. 777 DEDHAM ST. Owner/operator address:

CANTON, MA 02021

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 06/01/1986 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: 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: No

Waste code: D001

Waste name: **IGNITABLE WASTE**

Waste code: MA01 Waste name: WASTE OIL

Waste code: **MA98**

OFF SPECIFICATION USED OIL FUEL THAT IS SHIPPED USING A HW MANIFEST Waste name:

Violation Status: No violations found

F15 **BOURNE ROTARY TEXACO** S103546688 SHWS **5 BOURNE ROTARY** NNE **RELEASE** N/A

1/8-1/4 BOURNE, MA 02532

0.204 mi.

Actual:

78 ft.

1076 ft. Site 2 of 6 in cluster F

SHWS: Relative:

Release Tracking Number/Current Status: 4-0014330 / RAO Lower

Release Town: **BOURNE** Notification Date: 11/09/1998

120 DY Category: Associated ID: Not reported

Current Status: Response Action Outcome

11/03/2010 Status Date: 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 and Hazardous Material

MAP FINDINGS Map ID Direction

Distance

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

BOURNE ROTARY TEXACO (Continued)

S103546688

EDR ID Number

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

Chemicals:

C9 THRU C12 ALIPHATIC HYDROCARBONS Chemical:

26000 parts per billion Quantity:

PROPANE, 2-METHOXY-2-METHYL-Chemical:

Quantity: 51000 parts per billion

Chemical: **TOLUENE**

Quantity: 39000 parts per billion

C5 THRU C8 ALIPHATIC HYDROCARBONS Chemical:

Quantity: 15000 parts per billion

Chemical: XYLENE

Quantity: 17000 parts per billion

AROMATICS Chemical: Quantity: 13000 parts per billion

Chemical: **BENZENE**

Quantity: 6100 parts per billion

Actions:

Action Type: Phase 5

Level I - Technical Screen Audit Action Status:

Action Date: 1/5/2007

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

reduced to background.

Action Type: Phase 4

Action Status: Level I - Technical Screen Audit

Action Date: 1/5/2007

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

reduced to background.

Action Type: Phase 3

Completion Statement Received Action Status:

10/1/2001 Action Date:

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: 10/17/2007

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: 10/17/2007

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

reduced to background.

Action Type: Phase 5 **RMRINT** Action Status: Action Date: 10/17/2007

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**

BOURNE ROTARY TEXACO (Continued)

S103546688

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 10/4/2006

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: 10/4/2006

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: 10/4/2006

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

reduced to background.

Action Type: Phase 5 Action Status: **RMRINI** 10/4/2006 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: 10/4/2006

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: 11/19/2008

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: 11/19/2008

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

reduced to background.

Action Type: Phase 5 Action Status: **RMRINT** 11/19/2008 Action Date:

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

reduced to background.

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

Action Date: 11/3/2010

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: 11/9/1998

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

BOURNE ROTARY TEXACO (Continued)

S103546688

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: 11/9/1998

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: 11/9/1998

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: 12/22/2009

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: 12/22/2009

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: 12/22/2009

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: 4/8/2008

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: 4/8/2008

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: 4/8/2008

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: 4/9/2007

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

reduced to background.

MAP FINDINGS Map ID Direction

Distance

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

BOURNE ROTARY TEXACO (Continued)

S103546688

Action Type: Phase 5 **RMRINT** Action Status: 4/9/2007 Action Date:

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: 4/9/2007

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

reduced to background.

Action Type: **RLFA** Action Status: FLDD1A Action Date: 5/30/2008

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

reduced to background.

Action Type: Phase 5

Level II - Audit Inspection Action Status:

6/20/2008 Action Date:

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: 6/21/1999

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

reduced to background.

Tier Classification Action Type: Action Status: Tier 2 Classification Action Date: 6/21/1999

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

reduced to background.

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

Action Date: 6/22/1999

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: 6/29/2009

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

reduced to background.

Phase 5 Action Type: Action Status: **RMRINT** Action Date: 6/29/2009

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: 6/29/2009

Direction Distance

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

BOURNE ROTARY TEXACO (Continued)

S103546688

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

7/12/2000 Action Date:

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

reduced to background.

Action Type: Phase 5 Action Status: **RMRINT** Action Date: 7/28/2010

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: 7/28/2010

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

reduced to background.

Action Type: Phase 5

Remedy Operation Status Report Received Action Status:

Action Date: 7/28/2010

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: 8/16/2011

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

reduced to background.

Action Type: Phase 2

Completion Statement Received Action Status:

Action Date: 8/21/2001

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

reduced to background.

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

8/30/1999 Action Date:

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

reduced to background.

Action Type: **RLFA** Action Status: **FLDRUN** Action Date: 9/26/2013

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0014330 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 11/09/1998

Direction Distance

Elevation Site Database(s) EPA ID Number

BOURNE ROTARY TEXACO (Continued)

S103546688

EDR ID Number

 Category:
 120 DY

 Status Date:
 11/03/2010

 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 and Hazardous Material

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

F16 BOURNE ROTARY TEXACO UST U001004389
NE 4 MACARTHUR BLVD Financial Assurance N/A

1/8-1/4 BUZZARDS BAY, MA 02532 0.220 mi.

1161 ft. Site 3 of 6 in cluster F

Relative: Lower UST: Facility:

Actual:

82 ft.

Facility ID: 1179 Owner Id: 1602

Owner: CUMBERLAND FARMS INC
Owner Address: 100 CROSSING BOULEVARD
Owner City,St,Zip: FRAMINGHAM, MA 01702

Talach are 2000 2005 2700

Telephone: (800) 225-9702
Description: Gas Station
Fire Dept. ID: 1036
Date of Inspection: 10/02/2014

Facility ID: 1180 Owner Id: 7316

Owner: MPG CORPORATION
Owner Address: ONE ROBERTS RD
Owner City,St,Zip: PLYMOUTH, MA 02360

Telephone: (508) 866-4166
Description: Gas Station
Fire Dept. ID: 1036
Date of Inspection: Not reported

Tank ID:

Serial Number: Not reported Tank Status: Removed 06/29/1999 Status Date: 05/01/1972 Date Installed: Capacity: 4000 Contents: Gasoline 1 Wall Tank Type: Tank Usage: ΜV Tank Material: Steel

Tank Leak Detection: Inventory Record-Keeping

Pipe Material: Steel

Pipe Container: Suction: Check Valve @ Tank

Pipe Leak Detection: Not reported

Above Ground: No

Tank ID: 1

Direction
Distance

Elevation Site Database(s) EPA ID Number

BOURNE ROTARY TEXACO (Continued)

U001004389

EDR ID Number

Serial Number: Not reported Tank Status: Removed 03/09/2011 Status Date: Date Installed: 01/01/1981 Capacity: 10000 Contents: Gasoline 1 Wall Tank Type: Tank Usage: MVTank Material: Reinforced

Tank Leak Detection: Approved In-Tank Monitor

Pipe Material: Reinforced Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

Tank ID: 2

Serial Number: Not reported Tank Status: Removed 06/29/1999 Status Date: Date Installed: 05/01/1972 Capacity: 4000 Contents: Gasoline Tank Type: 1 Wall Tank Usage: MVTank Material: Steel

Tank Leak Detection: Inventory Record-Keeping

Pipe Material: Steel

Pipe Container: Suction: Check Valve @ Tank

Pipe Leak Detection: Not reported

Above Ground: No

Tank ID: 2

Not reported Serial Number: **Tank Status:** Removed Status Date: 03/09/2011 Date Installed: 01/01/1981 Capacity: 10000 Contents: Gasoline Tank Type: 1 Wall Tank Usage: ΜV Tank Material: Reinforced

Tank Leak Detection: Approved In-Tank Monitor

Pipe Material: Reinforced Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

Tank ID: 3

Serial Number: Not reported
Tank Status: Removed
Status Date: 03/09/2011
Date Installed: 01/01/1981
Capacity: 10000
Contents: Gasoline

Direction
Distance

Elevation Site Database(s) EPA ID Number

BOURNE ROTARY TEXACO (Continued)

Tank Type: 1 Wall
Tank Usage: MV
Tank Material: Reinforced

Tank Leak Detection: Approved In-Tank Monitor

Pipe Material: Reinforced Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

Tank ID: 3

Serial Number: Not reported Tank Status: Removed Status Date: 06/29/1999 05/01/1972 Date Installed: Capacity: 4000 Contents: Gasoline 1 Wall Tank Type: Tank Usage: MVTank Material: Steel

Tank Leak Detection: Inventory Record-Keeping

Pipe Material: Steel

Pipe Container: Suction: Check Valve @ Tank

Pipe Leak Detection: Not reported

Above Ground: No

Tank ID: 4

Serial Number: Not reported Tank Status: Removed 03/09/2011 Status Date: Date Installed: 01/01/1981 Capacity: 10000 Contents: Gasoline Tank Type: 1 Wall Tank Usage: ΜV Tank Material: Reinforced

Tank Leak Detection: Approved In-Tank Monitor

Pipe Material: Reinforced Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

Tank ID:

Serial Number: Not reported Tank Status: Removed Status Date: 06/29/1999 Date Installed: 05/01/1981 4000 Capacity: Contents: Diesel Tank Type: 1 Wall Tank Usage: MVTank Material: Steel

Tank Leak Detection: Inventory Record-Keeping

Pipe Material: Steel

Pipe Container: Suction: Check Valve @ Tank

EDR ID Number

U001004389

Direction
Distance
Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

BOURNE ROTARY TEXACO (Continued)

U001004389

Pipe Leak Detection: Not reported

Above Ground: No

Tank ID: 5

Serial Number: Not reported In Use Tank Status: Status Date: Not reported Date Installed: 03/17/2011 Capacity: 20000 Contents: Gasoline 2 Walls Tank Type: Tank Usage: MVTank Material: Reinforced

Tank Leak Detection: Interstitial Monitoring

Pipe Material: Reinforced Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

Tank ID: 5

Serial Number: Not reported Tank Status: Removed 06/29/1999 Status Date: Date Installed: 05/01/1981 Capacity: 8000 Contents: Gasoline Tank Type: 1 Wall Tank Usage: MVTank Material: Steel

Tank Leak Detection: Inventory Record-Keeping

Pipe Material: Steel

Pipe Container: Suction: Check Valve @ Tank

Pipe Leak Detection: Not reported

Above Ground: No

Tank ID: 6

SPLIT 12/8 Serial Number: Tank Status: In Use Status Date: Not reported Date Installed: 03/24/2011 20000 Capacity: Contents: Gasoline/D 2 Walls Tank Type: Tank Usage: MV

Tank Material: Reinforced

Tank Leak Detection: Interstitial Monitoring

Pipe Material: Reinforced Pipe Container: 2 Walls

Pipe Leak Detection: Interstitial Space Monitor

Above Ground: No

Tank ID: 6

Serial Number: Not reported

Direction Distance

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

BOURNE ROTARY TEXACO (Continued)

U001004389

EDR ID Number

Tank Status: Removed 06/30/1999 Status Date: Not reported Date Installed: 1000 Capacity: Contents: Gasoline Tank Type: Not reported Tank Usage: Not reported Tank Material: Not reported Tank Leak Detection: Not reported Pipe Material: Not reported Pipe Container: Not reported Not reported Pipe Leak Detection: Above Ground: No

Tank ID: 7

Serial Number: Not reported Tank Status: Removed Status Date: 06/30/1999 Date Installed: Not reported Capacity: 1000 Contents: Gasoline Tank Type: Not reported Tank Usage: Not reported Not reported Tank Material: Not reported Tank Leak Detection: Pipe Material: Not reported Pipe Container: Not reported Pipe Leak Detection: Not reported

MA Financial Assurance 2:

Above Ground:

Facility Id: 1179 Description: Gas Station Work Phone: (800) 225-9702

No

1008880686 **CUMBERLAND FARMS** RCRA NonGen / NLR

4 MACARTHUR BLVD ΝE 1/8-1/4 **BOURNE, MA 02532**

0.220 mi.

F17

1161 ft. Site 4 of 6 in cluster F

RCRA NonGen / NLR: Relative:

Contact:

Date form received by agency: 12/08/2005 Lower Facility name:

CUMBERLAND FARMS Actual: Facility address: 4 MACARTHUR BLVD 82 ft. BOURNE, MA 02532

> EPA ID: MAC300003605

Mailing address: CUMBERLAND FARMS, INC. 777 DEDHAM ST.

CANTON, MA 020210000

MELISSA GLIDDEN

Contact address: CUMBERLAND FARMS, INC. 777 DEDHAM ST.

CANTON, MA 020210000

Contact country: US

Contact telephone: 8002259702X3412

MGLIDDEN@CUMBERLANDFARMS.COM Contact email:

MAC300003605

Direction Distance

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

CUMBERLAND FARMS (Continued)

1008880686

EPA Region: 01

Classification: Non-Generator

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

Owner/Operator Summary:

CUMBERLAND FARMS INC Owner/operator name:

CUMBERLAND FARMS, INC. 777 DEDHAM ST. Owner/operator address:

CANTON, MA 02021

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 06/01/1986 Owner/Op end date: Not reported

CUMBERLAND FARMS INC Owner/operator name:

CUMBERLAND FARMS, INC. 777 DEDHAM ST. Owner/operator address:

CANTON, MA 02021

Owner/operator country: US

Owner/operator telephone: Not reported Private Legal status: Owner/Operator Type: Owner Owner/Op start date: 06/01/1986 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 No Used oil transfer facility: Used oil transporter: No

Historical Generators:

Date form received by agency: 09/06/2005

Site name: **CUMBERLAND FARMS**

Classification: Conditionally Exempt Small Quantity Generator

Waste code: D001

IGNITABLE WASTE Waste name:

Waste code: **MA01** WASTE OIL Waste name:

Waste code: **MA98**

Waste name: OFF SPECIFICATION USED OIL FUEL THAT IS SHIPPED USING A HW MANIFEST

Direction Distance

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

CUMBERLAND FARMS (Continued)

1008880686

Violation Status: No violations found

F18 **CUMBERLAND FARMS** SPILLS 90 S112326332 ΝE **4 GENERAL MACARTHUR BLVD HW GEN** N/A

RETRACTED

Not reported

1/8-1/4 **BUZZARDS BAY, MA 02532**

0.220 mi.

1161 ft. Site 5 of 6 in cluster F

Spills: Relative: Status: Lower

Contact Name: Not reported Actual: Contact Phone: Not reported 82 ft. Site ID: 4-0011290 Secondary ID: Not reported

Cross Street: Not reported BARNSTABLE County: Longitude: -70586659 Latitude: 41742476 Elevation: 85

CASE# CLOSED Spill Date: Not reported Not reported Notifier: Spill Time: Not reported Phone: Not reported Report Date: 04/12/95

Material: DIESEL; PETROL OIL

Pet/Haz: Not reported Lust: Not reported Pcb Level: Not reported Vir/Waste: Not reported Soil Contam: Not reported UST Source: Incident: 72 HR par Env Impact: Not reported Quantity Reported: 28.5;1500 Not reported Contractor: Quantity Actual: Not reported Prepare Rpt: Not reported Units Reported: GAL;MG/KG Days/Close: Not reported Units Actual: Not reported

HW GEN:

Staff:

EPA Id: MAC300003803

RCRA Generator Status: **VSQG** State Generator Status: VQG-MA

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

19 SEL FOREIGN AUTO LTD HW GEN S112557392

N/A

South 7 COLONEL DR 1/8-1/4 BOURNE, MA 02532

0.228 mi. 1203 ft.

Relative: HW GEN:

Higher EPA ld: MV5087594044

RCRA Generator Status: VSQG
Actual: State Generator Status: VQG-MA

98 ft.

 F20
 TEXACO FMR
 LUST
 \$104000738

 NE
 5 MACARTHUR BLVD
 RELEASE
 N/A

1/8-1/4 BOURNE, MA 02532

0.238 mi.

1258 ft. Site 6 of 6 in cluster F

Relative: LUST: Lower Facility

Actual: Release Tracking Number/Current Status: 4-0014822 / RAONR

86 ft. Status Date: 06/22/2000 UST

Release Town:

Rotification Date:

O7/01/1999
Category:

Associated ID:

Phase:

O31

BOURNE

07/01/1999

72 HR

Not reported

Not reported

Response Action Outcome: Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Source: UST

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

Chemicals:

Chemical: DIESEL FUEL
Quantity: 100 parts per million

Actions:

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 6/22/2000 Response Action Outcome: Not reported

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

Action Date: 6/22/2000
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 7/1/1999
Response Action Outcome: Not reported

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

Direction Distance

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

TEXACO FMR (Continued) S104000738

Action Date: 7/1/1999 Response Action Outcome: Not reported

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

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

Action Date: Response Action Outcome: Not reported

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

8/30/1999 Action Date: Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/30/1999 Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0014822 / RAONR

Primary ID: Not reported Official City: **BOURNE** Notification: 07/01/1999 Category: 72 HR Status Date: 06/22/2000 Phase: Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

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

G21 **GULF GAS STATION** SHWS S101021201

BOURNE ROTARY NNE **RELEASE** N/A BOURNE, MA 02532 1/8-1/4 **SPILLS**

0.239 mi.

1260 ft. Site 1 of 2 in cluster G

Relative:

Lower Release Tracking Number/Current Status: 4-0010834 / RAO Release Town: **BOURNE**

Actual: Notification Date: 10/11/1994 65 ft. 120 DY Category: Associated ID: Not reported

> **Current Status: Response Action Outcome**

Status Date: 11/24/2006 PHASE IV Phase:

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: COMMERCIAL

UNKNOWN Source:

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

EDR ID Number

Direction Distance Elevation

tion Site Database(s) EPA ID Number

GULF GAS STATION (Continued)

S101021201

EDR ID Number

Chemicals:

Chemical: BTEX

Quantity: 41000 micrograms per liter

Chemical: GASOLINE Quantity: Not reported

Actions:

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

Action Date: 1/5/2007

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: 10/11/1994

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: 10/17/1994

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: 11/18/1994

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: 11/21/2005

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

reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/21/2005

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

reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: Submittal Retracted

Action Date: 11/21/2005

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: 11/24/2006

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

Map ID MAP FINDINGS Direction

Distance

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

GULF GAS STATION (Continued)

S101021201

Action Date: 2/4/1997

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

reduced to background.

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 3/28/1995

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: 3/28/1995

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

reduced to background.

Tier Classification Action Type: Action Status: Tier 2 Classification

Action Date: 3/28/1995

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

reduced to background.

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 3/31/1998

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

5/23/1997 Action Date:

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

reduced to background.

RLFA Action Type: Action Status: **FOLOFF** Action Date: 7/17/1996

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

reduced to background.

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

Action Date: 9/17/1998

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: 9/19/2005

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

reduced to background.

Response Action Outcome - RAO Action Type: Action Status: Submittal Determined to be Invalid by DEP

Action Date: 9/19/2005

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

reduced to background.

Direction Distance

Elevation Site Database(s) EPA ID Number

GULF GAS STATION (Continued)

S101021201

EDR ID Number

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

Action Date: 9/19/2005

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0010834 / RAO
Primary ID: Not reported
Official City: BOURNE
Notification: 10/11/1994
Category: 120 DY
Status Date: 11/24/2006
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 and Hazardous Material

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

MA Spills:

Facility ID: 0000 Staff Lead: MORAN, M Last Entered: 19890110 Spill Date: Not reported Report Date: 19881014 Case Closed: YES VIRGIN Virgin Waste: Env Impact: SOIL Material: **GASOLINE** Qty Reported: NONE

Qty Reported:

CAS No:

Source:

Incident:

Cleanup Type:

Referral:

No

Not reported

No

Report Prep: Not reported Notifier: Not reported Notif Tel: Not reported

Days/Close: 1

Spill ID: S88-0668 Date Entered: 19890110 First Response: 19881014 Spill Time: Not reported Report Time: 12:15PM **PETROLEUM** Mat Type: Contam Soil: Not reported Other Impact: Not reported Other Material: Not reported Qty Actual: NONE

Qty Actual:

PCB Lev (ppm):
Other Source:
Other Incdnt:
Contractor:
LUST Elig:
Not reported

G22 TEXACO STATION SHWS S103812348
NNE BOURNE ROTARY RELEASE N/A

1/8-1/4 BOURNE, MA 02532 0.239 mi.

1260 ft. Site 2 of 2 in cluster G

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0010835 / RAONR Release Town: BOURNE

Release Town:

Actual:
Notification Date:
10/11/1994
Category:
Associated ID:

ROURNE
10/11/1994
120 DY
Not reported

Current Status: Response Action Outcome Not Required

Direction Distance

Elevation Site Database(s) EPA ID Number

TEXACO STATION (Continued)

Status Date: 06/21/1999
Phase: Not reported

Response Action Outcome: Oil Or Haz Material: Oil

Location Type: COMMERCIAL Source: UNKNOWN

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

Chemicals:

Chemical: GASOLINE
Quantity: Not reported

Actions:

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/19/1996
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/11/1994
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.

Action Date: 10/17/1994
Response Action Outcome: Not reported

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

Action Date: 10/26/2001 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: 2/7/1995
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 6/21/1999
Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0010835 / RAONR

Primary ID:
Official City:
Notification:
10/11/1994
Category:
120 DY
Status Date:
06/21/1999
Phase:
Not reported
Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

EDR ID Number

S103812348

Direction Distance

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

TEXACO STATION (Continued) S103812348

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

CAPE MARINE HW GEN \$112557393 23

140 MACARTHUR BLVD N/A

SE **BOURNE, MA 02532** 1/8-1/4

0.242 mi. 1276 ft.

HW GEN: Relative:

EPA Id: MV5087594455 Higher RCRA Generator Status: Not reported Actual: State Generator Status: SQG-MA

105 ft.

24 **FACILITY NO 134** SHWS S104546329 NNE **GEN MACARTHUR BLVD RELEASE** N/A **BOURNE, MA 02532**

1/4-1/2 0.265 mi. 1400 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0010727 / RAO Lower

Release Town: **BOURNE** Actual: Notification Date: 09/01/1994 81 ft. Category: TWO HR Associated ID: Not reported

> **Current Status: Response Action Outcome**

11/01/1994 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 Or Haz Material:

Location Type: COMMERCIAL Location Type: **ROADWAY** Source: PIPE Source: **VEHICLE**

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

Chemicals:

Chemical: **DIESEL FUEL** Quantity: 5 gallons DIESEL FUEL Chemical: 25 gallons Quantity:

Actions:

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

11/1/1994 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:

Action Status: Reportable Release under MGL 21E

Action Date: 11/1/1994

Direction Distance

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

FACILITY NO 134 (Continued) S104546329

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

to background or a threat of release has been eliminated.

Release Disposition Action Type:

Action Status: Reportable Release under MGL 21E

9/1/1994 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: Immediate Response Action Action Status: Oral Approval of Plan or Action

9/1/1994 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: **RLFA** Action Status: **FOLFLD** 9/1/1994 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: A Notice sent to a Potentially Responsible Party (PRP)

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

Action Date: 9/1/1994

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

to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 4-0012155 / RAO

BOURNE Release Town: Notification Date: 03/15/1996 Category: 120 DY Associated ID: Not reported

Current Status: Response Action Outcome

03/14/1997 Status Date: Not reported Phase:

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

Significant Risk exists.

Oil Or Haz Material: Hazardous Material

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

Chemicals:

1.1-DICHLOROETHENE Chemical: Quantity: .161 parts per million METHYLENE CHLORIDE Chemical: 251 parts per million Quantity:

Actions:

Action Type: Response Action Outcome - RAO

Action Status: **RAO Statement Received**

3/14/1997 Action Date:

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

Significant Risk exists.

Action Type: **RNF**

Direction Distance

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

FACILITY NO 134 (Continued) S104546329

Action Status: Reportable Release under MGL 21E

3/15/1996 Action Date:

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

Significant Risk exists.

Release Disposition Action Type:

Reportable Release under MGL 21E Action Status:

Action Date: 3/15/1996

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

Significant Risk exists.

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

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

Action Date:

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

Significant Risk exists.

Release:

Phase:

Release Tracking Number/Current Status: 4-0010727 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 09/01/1994 Category: TWO HR Status Date: 11/01/1994 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

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

Release Tracking Number/Current Status: 4-0012155 / RAO Primary ID: Not reported BOURNE Official City: 03/15/1996 Notification: Category: 120 DY Status Date: 03/14/1997 Not reported

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

Significant Risk exists.

Oil / Haz Material Type: Hazardous Material

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

S104546305 25 **NO LOCATION AID** SHWS

WNW 1 SANDWICH RD **RELEASE** N/A 1/4-1/2 BOURNE, MA 02532 **LEAD**

0.300 mi. 1584 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0011936 / RAO Lower

Release Town: **BOURNE**

Actual: 02/06/1996 Notification Date:

34 ft.

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S104546305

EDR ID Number

Category: TWO HR
Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 01/06/1997
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

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

Chemicals:

Chemical: #2 FUEL OIL
Quantity: 50 gallons

Actions:

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

Action Date: 1/10/1997

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: 1/6/1997

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: 2/12/1996

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: 2/6/1996

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

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 2/6/1996

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0011936 / RAO
Primary ID: Not reported
Official City: BOURNE
Notification: 02/06/1996
Category: TWO HR
Status Date: 01/06/1997
Phase: Not reported

MAP FINDINGS Map ID Direction

Distance

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

NO LOCATION AID (Continued)

S104546305

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

been reduced to background.

Oil / Haz Material Type: Oil

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

LEAD:

Community: Bourne Unit:

Frederic Hemmila Inspector Name:

Inspector License Number: 2736 Activity Type: **INSPECT** Activity Date: 06/14/2002 Start Work Date: Not reported Activity Descriptions: Risk Assessment **Urgent Lead Hazards** Outcomes:

Community: Bourne Unit:

Inspector Name: Frederic Hemmila

Inspector License Number: 2736 Activity Type: **INSPECT** Activity Date: 06/14/2002 Start Work Date: Not reported

Activity Descriptions: Comprehensive Initial Inspection

Outcomes: Hazards Found

Community: Bourne Unit: 9

Inspector Name: Frederic Hemmila

Inspector License Number: 2736 **INSPECT** Activity Type: **Activity Date:** 12/10/2002 Start Work Date: Not reported

Activity Descriptions: Final Interim Control Reinsp.

Outcomes: Passed

Community: Bourne Unit:

Inspector Name: Frederic Hemmila

Inspector License Number:

Activity Type: COMPLIANCE Activity Date: 12/10/2002 Start Work Date: Not reported

Activity Descriptions: Letter of Interim Control

Outcomes: Issued

Direction Distance

Elevation Site Database(s) EPA ID Number

26 JOHN GALLO ICE ARENA SHWS S108034395 NNE 231 SANDWICH RD RELEASE N/A

NNE 231 SANDWICH RD 1/4-1/2 BOURNE, MA 02532

0.465 mi. 2457 ft.

Actual:

54 ft.

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0017814 / RAONR

Release Town: BOURNE
Notification Date: 05/12/2003
Category: 120 DY

Associated ID: Not reported

Current Status: Response Action Outcome Not Required

Status Date: 05/13/2003 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:

Chemicals:

Chemical: PERCHLORATE
Quantity: 26 micrograms per liter

Actions:

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 5/12/2003
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 5/13/2003 Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0017814 / RAONR

Primary ID:
Official City:
Not reported
Official City:
Notification:
O5/12/2003
Category:
Status Date:
O5/13/2003
Phase:
Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

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

HW GEN:

EPA Id: MV5087598904
RCRA Generator Status: Not reported
State Generator Status: VQG-MA

EDR ID Number

HW GEN

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

27 TEE #7 LAST \$106513501

SSE 15 BROOKSIDE RD 1/4-1/2 BOURNE, MA 02532

0.488 mi. 2579 ft.

Relative: LAST:

Higher Release Tracking Number/Current Status: 4-0018417 / RAO

Source Type: AST Actual: Release Town: **BOURNE** 114 ft. Notification Date: 05/07/2004 Category: TWO HR Associated ID: Not reported 07/06/2004 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.

RELEASE

N/A

Oil Or Haz Material: Not reported

Chemicals:

Chemical: DIESEL
Quantity: 10 gallons
Location Type: COMMERCIAL

Source: AST

Actions:

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: 5/13/2004

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

Action Status: FLDISS
Action Date: 5/7/2004

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: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 5/7/2004

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

Action Date: 5/7/2004

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: RAO Statement Received

Action Date: 7/6/2004

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: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 7/6/2004

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

Direction Distance

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

TEE #7 (Continued) S106513501

to background or a threat of release has been eliminated.

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

Action Date: 7/6/2004

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

to background or a threat of release has been eliminated.

Release:

Release Tracking Number/Current Status: 4-0018417 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 05/07/2004 Category: TWO HR Status Date: 07/06/2004 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

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

H28 RECYCLING CENTER **MERCURY** S113670198

SSE 201 MACARTHUR BOULEVARD RT 28N N/A

1/4-1/2 **BOURNE, MA**

0.500 mi.

2638 ft. Site 1 of 2 in cluster H

MERCURY: Relative:

Hours1: Labor Day to Memorial Day: Wed - Mon 7am - 3pm Higher Hours2: Memorial Day to Labor Day: 7 days a week 7am - 3pm

Actual: http://www.townofbourne.com/LinkClick.aspx?fileticket=vrYBhLeObmg3D&ta Website:

123 ft. id=193&mid=878

> Work Phone: (508) 759-0651 Button Batteries B: Not reported Button Batteries R: Yes Fluorescent Lamps (Incl# Cfls) B: F

Fluorescent Lamps (Incl# Cfls) R: Yes Thermostats B: Not reported Thermostats R: Yes Electronics-Inc Flat Panel TV, Laptops B: Electronics-Inc Flat Panel TV, Laptops R: Yes

Other Hg Products-Thermometers Blood Press Cuffs B: Not reported

Other Hg Products-Thermometers Blood Press Cuffs R: Yes

Comments: There may be a fee for some business products. Call for details. Map ID MAP FINDINGS
Direction

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

H29 BOURNE LANDFILL SHWS \$104919741

SSE 201 MACARTHUR BLVD SWF/LF N/A 1/4-1/2 BOURNE, MA 02532 RELEASE

0.500 mi. AIRS

2638 ft. Site 2 of 2 in cluster H Financial Assurance

Relative: SHWS:

Higher Release Tracking Number/Current Status: 4-0022390 / RAO

Release Town:

Actual:
Notification Date:
01/14/2010
123 ft.
Category:
Associated ID:
Not reported

Current Status: Response Action Outcome

Status Date: 02/11/2010
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:

Location Type:

Source:

Not reported

MUNICIPAL

TRANSFORM

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

Chemicals:

Chemical: NON-PCB MODF Quantity: 90 gallons

Actions:

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 1/14/2010

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
Action Status: Oral Approval of Plan or Action

Action Date: 1/14/2010

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: 1/29/2010

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: 2/11/2010

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: 2/11/2010

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

to background or a threat of release has been eliminated.

Map ID MAP FINDINGS Direction

Distance

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

BOURNE LANDFILL (Continued)

S104919741

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

Action Date: 2/22/2010

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

to background or a threat of release has been eliminated.

Facility Phone: (508)759-0651

Annual Tons for 1995: 15600 Annual Tons for 1996: 28000 Annual Tons for 1997: 44777 90450 Annual Tons for 1998: Annual Tons for 1999: 76494 Annual Tons for 2000: 128646 Annual Tons for 2001: 104455 Annual Tons for 2002: 121846 Annual Tons for 2003: 98409 Annual Tons for 2004: 92024 Annual Tons for 2005: 113239 Annual Tons for 2006: 146378 Annual Tons for 2007: 136846 Annual Tons for 2008: 94116 Annual Tons for 2009: 118687 Annual Tons for 2010: 173557 Annual Tons for 2011: Not reported Reg Obj Acct ID Num For Each Solid Waste Operation:

Days of Operation: 302 Note On The Physical Location Of The Site: **RTE 28** Acres: 33 Active Year: 1968 Classification Group: Land Disposal

Current Or Most Recent Closed Classification:

Description Of The Last Classification: Operating Landfill >10 TPD, 3120 TPY

Close Year: Not reported

BOURNE ISWM DEPT Name Of The Organization:

Contacts Organization Type: Municipal

Contact Persons Name And Title: DAN T. BARRETT, GEN MGR

Contact Phone Including Extension: (508)759-0651 Contact Mailing Street Address: 24 PERRY AVE

BUZZARDS BAY, MA 02532 Contacts Mailing City, State, Zip:

Inactive Year: 2025 Land Disposal Closure Status: Incomplete Land Disposal Only, Category Waste Disposed: MSW Landfills Liner: Lined Municipality That The Operation Is Located In: **BOURNE** Alpha-Numeric Identification Code: SL0036.004 Numeric-Only Portion Of The Identification Code: 0036.004 Region: SE

Org That Pays Any Annual Compliance Fee And/Or Permittee:TOWN OF BOURNE

Responsible Party Organization Type: Municipal Responsible Party Mailing Street Address Line 1: 24 PERRY AVE Responsible Party Mailing Street Address Line 2: Not reported

Responsible Party Mailing City, State, Zip: BUZZARDS BAY, MA 02532

Responsible Party Telephone Inc Extension: Not reported Maximum Permitted Tons Per Day: 700 **Current Operational Status:** Active

Direction Distance Elevation

evation Site Database(s) EPA ID Number

BOURNE LANDFILL (Continued)

S104919741

EDR ID Number

Facility Phone: (508)759-0651 Annual Tons for 1995: Not reported Not reported Annual Tons for 1996: Annual Tons for 1997: Not reported Annual Tons for 1998: Not reported Annual Tons for 1999: Not reported Annual Tons for 2000: 6196 Annual Tons for 2001: 8034 Annual Tons for 2002: 13057 Annual Tons for 2003: 12989 Annual Tons for 2004: 40214 Annual Tons for 2005: 64332 Annual Tons for 2006: 77166 Annual Tons for 2007: 57337 Annual Tons for 2008: 45402 Annual Tons for 2009: 32135 Annual Tons for 2010: 28561 Annual Tons for 2011: Not reported Reg Obj Acct ID Num For Each Solid Waste Operation: 362723

Days of Operation: 266

Note On The Physical Location Of The Site: RTE 28

Acres: Not reported

Active Year: 1996

Classification Group: Handling/Transfer Current Or Most Recent Closed Classification: LGTRAN

Description Of The Last Classification: Large Transfer Station

Close Year: Not reported

Name Of The Organization: BOURNE ISWM DEPT

Contacts Organization Type: Municipal

Contact Persons Name And Title: DAN BARRETT, GENL MGR

Contact Phone Including Extension: (508)759-0651 Contact Mailing Street Address: 24 PERRY AVE

Contacts Mailing City, State, Zip: BUZZARDS BAY, MA 02532

Inactive Year: Not reported

Land Disposal Closure Status: n/a
Land Disposal Only, Category Waste Disposed: n/a
Landfills Liner: n/a
Municipality That The Operation Is Located In: BOURNE
Alpha-Numeric Identification Code: TR0036.006
Numeric-Only Portion Of The Identification Code: 0036.006
Region: SE

Org That Pays Any Annual Compliance Fee And/Or Permittee:TOWN OF BOURNE

Responsible Party Organization Type: Municipal
Responsible Party Mailing Street Address Line 1: 24 PERRY AVE
Responsible Party Mailing Street Address Line 2: Not reported

Responsible Party Mailing City, State, Zip: BUZZARDS BAY, MA 02532

Responsible Party Telephone Inc Extension:

Maximum Permitted Tons Per Day:

Current Operational Status:

Not reported
825

Active

Release:

Release Tracking Number/Current Status: 4-0022390 / RAO Primary ID: Not reported

Official City:

Not reported

Official City:

Notification:

01/14/2010

Category:

TWO HR

Status Date:

02/11/2010

Direction Distance

Elevation Site Database(s) EPA ID Number

BOURNE LANDFILL (Continued)

S104919741

EDR ID Number

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

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

AIRS:

Facility Status: APPROV Permit Code: AQ02

Permit Name: Plan Application Non-Major Comprehensive

DEP Region: SE
Application Tracking Number: W010477
Date Closed: 05/23/2000

Applicant Name: TOWN OF BOURNE
Applicant Address: 24 PERRY AVE
Applicant City,St,Zip: BOURNE, MA 02532
Applicant Telephone: 5087590600

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Facility Status: APPROV Permit Code: AQ03

Permit Name: Plan Application Major Comprehensive

DEP Region: SE
Application Tracking Number: X241484
Date Closed: 03/28/2013

Applicant Name: BOURNE ISWM DEPARTMENT
Applicant Address: 201 MACARTHUR BLVD
Applicant City, St, Zip: BOURNE, MA 02532

Applicant Telephone: 5087590657

Facility Status: DENY Permit Code: AQ03

Permit Name: Plan Application Major Comprehensive

DEP Region: SE

Application Tracking Number: W220673
Date Closed: 03/09/2010
Applicant Name: TOWN OF BOURNE

Applicant Name:

Applicant Address:

Applicant City,St,Zip:

Applicant City,St,Zip:

Applicant City,St,Zip:

Applicant City,St,Zip:

Applicant Name:

10WN OF BOURNE

24 PERRY AVE

BOURNE, MA 02532

Applicant Telephone: Not reported

MA Financial Assurance 3:

Facility Id: 39101
Region: 3
Region Area: SE

Facility Name: BOURNE LANDFILL & TRANSFER STATION

FAM Infomation:

FAM Information Note: Enterprise Fund

Class Type: LF

Class Description: Operating Landfill >10 TPD, 3120 TPY

ACF Amount: 17495 Exempt: Yes RO #: 172356 Map ID MAP FINDINGS Direction

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

130 **BOURNE LANDFILL** SHWS S103250211 SE **GEN MACARTHUR BLVD RELEASE** N/A

BOURNE, MA 02532 1/2-1

0.642 mi.

3388 ft. Site 1 of 2 in cluster I

SHWS: Relative:

Release Tracking Number/Current Status: 4-0014181 / RAO Lower

Release Town: **BOURNE** Actual: Notification Date: 09/17/1998 82 ft. 120 DY Category: Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 12/16/1999 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

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

Chemicals:

UNKNOWN HYDROCARBONS Chemical:

Quantity: 7200 parts per million

Actions:

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

Action Date: 10/14/1999

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: 10/28/1998

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

reduced to background.

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

Action Date: 11/18/1998

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: 12/16/1999

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

reduced to background.

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

Action Date: 12/16/1999

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

reduced to background.

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

Direction Distance

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

BOURNE LANDFILL (Continued) S103250211

Action Date: 12/20/1999

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

reduced to background.

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

Action Date: 5/26/1999

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

reduced to background.

Action Type: **RLFA** Action Status: **FOLOFF** Action Date: 8/27/1999

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

reduced to background.

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 9/17/1998

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: 9/17/1998

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0014181 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 09/17/1998 120 DY Category: Status Date: 12/16/1999 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

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

BOURNE LANDFILL SHWS S106617661 **MACARTHUR BLVD RELEASE** N/A

BOURNE, MA 02532 1/2-1

0.642 mi.

Actual:

82 ft.

I31

SE

3388 ft. Site 2 of 2 in cluster I

SHWS: Relative:

Release Tracking Number/Current Status: 4-0018507 / RAO Lower

Release Town: **BOURNE** Notification Date: 06/30/2004 Category: TWO HR

Associated ID: Not reported

Current Status: Response Action Outcome

Direction Distance

Elevation Site Database(s) EPA ID Number

BOURNE LANDFILL (Continued)

S106617661

EDR ID Number

Status Date: 08/27/2004 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: Not reported Location Type: COMMERCIAL

Source: PIPE

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

Chemicals:

Chemical: HYDRALUIC OIL Quantity: 45 gallons

Actions:

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 6/30/2004

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

Significant Risk exists.

Action Type: Immediate Response Action

Action Status: IRA Assessment Only

Action Date: 6/30/2004

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: 8/27/2004

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: 8/27/2004

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: 8/5/2004

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

Significant Risk exists.

Release:

Release Tracking Number/Current Status: 4-0018507 / RAO
Primary ID: Not reported
Official City: BOURNE
Notification: 06/30/2004
Category: TWO HR
Status Date: 08/27/2004
Phase: Not reported

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

Significant Risk exists.

Direction Distance

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

BOURNE LANDFILL (Continued) \$106617661

Oil / Haz Material Type: Not reported

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

32 BUSTED KNUCKLE GARAGE SHWS \$116358075
NW 25 PERRY AVENUE RELEASE N/A

1/2-1 BOURNE, MA 02532

0.668 mi. 3529 ft.

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0024932 / RAO

Release Town:

Actual:
Notification Date:
01/06/2014

Category:
Associated ID:

Not reported

Current Status: Response Action Outcome

Status Date: 01/31/2014
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

Source: UNKNOWN

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

Chemicals:

Chemical: NAPHTHALENE
Quantity: 7.6 parts per million

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS

Quantity: 2600 parts per million

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS

Quantity: 3600 parts per million

Actions:

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

Action Date: 1/31/2014

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: 1/6/2014

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: 1/6/2014

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

reduced to background.

Release:

Direction Distance

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

BUSTED KNUCKLE GARAGE (Continued)

S116358075

Release Tracking Number/Current Status: 4-0024932 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 01/06/2014 Category: 120 DY Status Date: 01/31/2014 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

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

33 **NO LOCATION AID** SHWS S103812434 NNW **SCENIC HWY RELEASE** N/A

1/2-1 0.713 mi. 3765 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0012165 / DEPNFA Lower

Release Town: **BOURNE** Actual: 05/10/1996 Notification Date: 21 ft. Category: TWO HR

Associated ID: Not reported

Current Status: No Further Action (DEP Determined)

Status Date: 08/26/2008 Phase: Not reported

Response Action Outcome: Oil Or Haz Material: Oil

Location Type: **ROADWAY**

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

Chemicals:

BOURNE, MA 02532

Chemical: **DIESEL FUEL** Quantity: 100 gallons

Actions:

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

Action Date: 10/23/2000 Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead

Work Started Action Status: Action Date: 5/10/1996 Response Action Outcome: Not reported

Release Disposition Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 5/10/1996 Response Action Outcome: Not reported

Action Type: **RLFA** Action Status: **FOLFLD**

Direction Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued) S103812434

Action Date: 5/11/1996
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: 5/15/1996 Response Action Outcome: 5/15/1996 Not reported

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

Action Date: 8/11/1997 Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: DEPNFA
Action Date: 8/26/2008
Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0012165 / DEPNFA

Primary ID:
Official City:
Notification:
O5/10/1996
Category:
Status Date:
Phase:
Not reported
BOURNE
05/10/1996
TWO HR
08/26/2008
Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

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

34 NO LOCATION AID SHWS \$104546198

11 PERRY AVE LUST N/A
BOURNE, MA 02532 RELEASE

1/2-1 BOURNE, MA (0.749 mi. 3953 ft.

Relative: SHWS:

NW

Lower Release Tracking Number/Current Status: 4-0010292 / RAO

Release Town:

Actual:
Notification Date:
O2/22/1994
Category:
Associated ID:

ROURNE
02/22/1994
TWO HR
Not reported

Current Status: Response Action Outcome

Status Date: 06/05/1995 Phase: Not reported

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

been reduced to background.

Oil Or Haz Material: Oi

Location Type: COMMERCIAL Location Type: INDUSTRIAL

Source: UST Source: PIPE

HW GEN

EDR ID Number

Direction Distance Elevation

Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S104546198

EDR ID Number

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

Chemicals:

Chemical: #2 FUEL OIL
Quantity: 40 gallons
Chemical: #2 FUEL OIL
Quantity: 100 gallons

Actions:

Action Type: RLFA
Action Status: FOLFLD
Action Date: 2/22/1994

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: 2/22/1994

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: 2/22/1994

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: 2/22/1994

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: 2/23/1994

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: 4/25/1994

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: 4/25/1994

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: 6/23/1994

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

Direction
Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S104546198

EDR ID Number

reduced to background.

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

Action Date: 6/5/1995

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: 6/5/1995

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

reduced to background.

LUST:

Facility:

Release Tracking Number/Current Status: 4-0010292 / RAO

Status Date: 06/05/1995
Source Type: UST
Release Town: BOURNE
Notification Date: 02/22/1994
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: COMMERCIAL Location Type: INDUSTRIAL

Source: UST Source: PIPE

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

Chemicals:

Chemical: #2 FUEL OIL
Quantity: 40 gallons
Chemical: #2 FUEL OIL
Quantity: 100 gallons

Actions:

Action Type: RLFA
Action Status: FOLFLD
Action Date: 2/22/1994

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: 2/22/1994

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**

NO LOCATION AID (Continued)

S104546198

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

2/22/1994 Action Date:

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: 2/22/1994

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

reduced to background.

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

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

Action Date: 2/23/1994

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: 4/25/1994

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

reduced to background.

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 4/25/1994

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: 6/23/1994

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

reduced to background.

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

Action Date: 6/5/1995

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: 6/5/1995

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

reduced to background.

Facility:

Release Tracking Number/Current Status: 4-0010351 / RAO

Status Date: 03/31/1995 Source Type: UST Release Town: **BOURNE** Notification Date: 03/28/1994 Category: 72 HR Associated ID: Not reported

Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued) S104546198

Phase: Not reported

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

been reduced to background.

Oil Or Haz Material: Oi

Location Type: COMMERCIAL

Source: UST

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

Chemicals:

Chemical: #2 FUEL OIL
Quantity: Not reported
Chemical: DIESEL FUEL
Quantity: 24 inches
Chemical: FUEL OIL
Quantity: Not reported

Actions:

Action Type: RLFA
Action Status: FLDRAN
Action Date: 3/16/2009

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: 3/28/1994

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: 3/28/1994

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: 3/29/1994

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: 3/31/1995

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

reduced to background.

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

Action Date: 3/31/1995

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

reduced to background.

EDR ID Number

Direction Distance

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

NO LOCATION AID (Continued)

S104546198

Action Type: Response Action Outcome - RAO

RAO Statement Received Action Status:

3/31/1995 Action Date:

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: 5/31/1994

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

5/31/1994 Action Date:

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0010292 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 02/22/1994 TWO HR Category: Status Date: 06/05/1995 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

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

Release Tracking Number/Current Status: 4-0010351 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 03/28/1994 Category: 72 HR Status Date: 03/31/1995 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

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

HW GEN:

MV5087599985 EPA Id: RCRA Generator Status: Not reported State Generator Status: VQG-MA

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

 35
 IHOP RESTAURANT
 SHWS
 \$103546581

 NNW
 2 BOURNE ROTARY
 LUST
 N/A

 1/2-1
 BOURNE, MA 02532
 RELEASE

1/2-1 0.801 mi. 4230 ft.

Actual:

28 ft.

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0010698 / DPS

Release Town: BOURNE
Notification Date: 08/22/1994

Category: 120 DY
Associated ID: Not reported

Current Status: Downgradient Property Status

Status Date: 06/17/1998 Phase: Not reported

Response Action Outcome:

Oil Or Haz Material:
Location Type:
COMMERCIAL
Source:
OFFSITE
Source:
UST
Source:
UNKNOWN

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

Chemicals:

Chemical: BENZENE

Quantity: 640 parts per billion
Chemical: ETHYLBENZENE
Quantity: 2500 parts per billion

Chemical: MTBE

Quantity: 80000 parts per billion

Chemical: BENZENE

Quantity: 640 micrograms per liter

Chemical: TOLUENE

Quantity: 23000 parts per billion

Chemical: XYLENE

Quantity: 12700 parts per billion

Actions:

Action Type: Downgradient Property Status
Action Status: Level I - Technical Screen Audit

Action Date: 1/25/2006 Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/4/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/6/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 12/15/1994
Response Action Outcome: Not reported

Direction Distance

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

IHOP RESTAURANT (Continued)

S103546581

Action Type: **Downgradient Property Status**

Transmittal, Notice, or Notification Received Action Status:

Action Date: 6/17/1998 Response Action Outcome: Not reported

Action Type: **Downgradient Property Status** Fee Received - FMCRA Use Only Action Status:

Action Date: 6/23/1998 Response Action Outcome: Not reported

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 8/22/1994 Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/22/1994 Response Action Outcome: Not reported

LUST:

Release Tracking Number/Current Status: 4-0010698 / DPS Status Date: 06/17/1998 Source Type: UST Release Town: **BOURNE** 08/22/1994 Notification Date: 120 DY Category: Associated ID: Not reported Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Hazardous Material

COMMERCIAL Location Type: Source: **OFFSITE** Source: UST UNKNOWN Source:

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

Chemicals:

Chemical: **BENZENE**

Quantity: 640 parts per billion Chemical: ETHYLBENZENE Quantity: 2500 parts per billion

Chemical: **MTBE**

Quantity: 80000 parts per billion

Chemical: **BENZENE**

Quantity: 640 micrograms per liter

Chemical: **TOLUENE**

Quantity: 23000 parts per billion

Chemical: **XYLENE**

12700 parts per billion Quantity:

Distance
Elevation Site Database(s)

IHOP RESTAURANT (Continued)

Actions:

Action Type: Downgradient Property Status
Action Status: Level I - Technical Screen Audit

Action Date: 1/25/2006 Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/4/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/6/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 12/15/1994
Response Action Outcome: Not reported

Action Type: Downgradient Property Status

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/17/1998
Response Action Outcome: Not reported

Action Type: Downgradient Property Status
Action Status: Fee Received - FMCRA Use Only

Action Date: 6/23/1998
Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/22/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/22/1994
Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0010698 / DPS
Primary ID: Not reported
Official City: BOURNE
Notification: 08/22/1994
Category: 120 DY
Status Date: 06/17/1998
Phase: Not reported

Response Action Outcome: -

Oil / Haz Material Type: Hazardous Material

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

EDR ID Number

EPA ID Number

S103546581

Map ID MAP FINDINGS
Direction

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

36 BUZZARD BAY MOBIL SHWS \$101046382

NW 246 MAIN ST LUST N/A

1/2-1 BOURNE, MA 02532 RELEASE 0.869 mi. SPILLS 4589 ft.

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0022638 / RAO

Release Town: BOURNE

Actual: Notification Date: 05/29/2010

20 ft. Category: TWO HR

Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 04/02/2013 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: LINE Source: UST

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

Chemicals:

Chemical: GASOLINE Quantity: 8 gallons

Actions:

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

Action Date: 10/18/2010

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

reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 10/18/2012

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: 3/28/2012

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: 3/28/2012

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: 4/2/2013

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

reduced to background.

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

BUZZARD BAY MOBIL (Continued)

S101046382

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 4/2/2013

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: 4/5/2011

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: 4/5/2011

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

Action Date: 5/29/2010

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: 6/10/2010

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: 6/10/2010

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: 6/15/2010

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: 6/15/2011

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: 6/7/2011

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: 6/7/2011

MAP FINDINGS Map ID Direction

Distance

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

BUZZARD BAY MOBIL (Continued)

S101046382

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

6/7/2011 Action Date:

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

7/28/2010 Action Date:

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

reduced to background.

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

Action Date: 7/28/2010

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

reduced to background.

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

Action Date: 8/2/2010

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

reduced to background.

Action Type: Immediate Response Action

Action Status: **RMRINT** 9/25/2012 Action Date:

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

reduced to background.

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

Action Date: 9/25/2012

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

reduced to background.

Action Type: Immediate Response Action

Action Status: **RMRINI** Action Date: 9/27/2010

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: 9/27/2010

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: 9/30/2011

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**

BUZZARD BAY MOBIL (Continued)

S101046382

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

Action Date: 9/30/2011

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

reduced to background.

Release Tracking Number/Current Status: 4-0018009 / RAONR

Release Town: **BOURNE** Notification Date: 09/05/2003 Category: 72 HR Associated ID: 4-0001334

Current Status: Response Action Outcome Not Required

Status Date: 09/10/2004 Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Hazardous Material Location Type: **COMMERCIAL** Location Type: RESIDNTIAL UNKNOWN Source:

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

Chemicals:

Chemical: MTBE

40000 parts per billion Quantity:

Actions:

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

Action Date: 1/21/2005 Response Action Outcome: Not reported

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

Action Date: 1/22/2004 Response Action Outcome: Not reported

Action Type: Tier Classification Action Status: Tier 2 Transfer Action Date: 10/20/1997 Response Action Outcome: Not reported

Action Type: Immediate Response Action

Action Status: Imminent Hazard Evaluation Received

Action Date: 11/26/2003 Response Action Outcome: Not reported

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

Action Date: 11/26/2003 Response Action Outcome: Not reported

Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 11/5/2003

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s) **EPA ID Number**

BUZZARD BAY MOBIL (Continued)

S101046382

EDR ID Number

Response Action Outcome: Not reported

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

Action Date: 2/18/2004 Response Action Outcome: Not reported

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

Action Date: 2/22/2005 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 5/12/1994 Response Action Outcome: Not reported

Tier Classification Action Type: Action Status: Tier 2 Classification

Action Date: 5/12/1999 Response Action Outcome: Not reported

Action Type: **RLFA FOLOFF** Action Status: 8/9/2004 Action Date: Response Action Outcome: Not reported

Action Type: **RAO Not Required**

Action Status: Linked to a Tier Classified Site

9/10/2004 Action Date: Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via IRA Completion Statement

Action Date: 9/10/2004 Response Action Outcome: Not reported

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

9/10/2004 Action Date: Response Action Outcome: Not reported

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

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

9/23/2003 Action Date: Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/5/2003 Response Action Outcome: Not reported

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

Action Date: 9/5/2003 Response Action Outcome: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

BUZZARD BAY MOBIL (Continued)

Response Action Outcome:

S101046382

EDR ID Number

LUST:

Facility:

Release Tracking Number/Current Status: 4-0022638 / RAO

 Status Date:
 04/02/2013

 Source Type:
 UST

 Release Town:
 BOURNE

 Notification Date:
 05/29/2010

 Category:
 TWO HR

 Associated ID:
 Not reported

 Phase:
 PHASE II

A2 - A permanent solution has been achieved. Contamination has not

been reduced to background.

Oil Or Haz Material:

Location Type: COMMERCIAL

Source: LINE Source: UST

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

Chemicals:

Chemical: GASOLINE Quantity: 8 gallons

Actions:

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

Action Date: 10/18/2010

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

reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 10/18/2012

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: 3/28/2012

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: 3/28/2012

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: 4/2/2013

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

reduced to background.

MAP FINDINGS Map ID Direction

Distance Elevation

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

BUZZARD BAY MOBIL (Continued)

S101046382

Action Type: Response Action Outcome - RAO

RAO Statement Received Action Status:

Action Date: 4/2/2013

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

reduced to background.

Action Type: Immediate Response Action

Action Status: **RMRINT** 4/5/2011 Action Date:

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: 4/5/2011

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

Action Date: 5/29/2010

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: 6/10/2010

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: 6/10/2010

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

reduced to background.

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

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

Action Date: 6/15/2010

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

6/15/2011 Action Date:

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

reduced to background.

Action Type: Tier Classification

Transmittal, Notice, or Notification Received Action Status:

Action Date:

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: 6/7/2011

MAP FINDINGS Map ID Direction

Distance Elevation

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

BUZZARD BAY MOBIL (Continued)

S101046382

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

6/7/2011 Action Date:

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: 7/28/2010

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

reduced to background.

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

Action Date: 7/28/2010

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

reduced to background.

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

Action Date: 8/2/2010

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

reduced to background.

Action Type: Immediate Response Action

Action Status: **RMRINT** 9/25/2012 Action Date:

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: 9/25/2012

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

reduced to background.

Action Type: Immediate Response Action

Action Status: **RMRINI** Action Date: 9/27/2010

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: 9/27/2010

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: 9/30/2011

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

reduced to background.

Direction Distance Elevation

vation Site Database(s) EPA ID Number

BUZZARD BAY MOBIL (Continued)

S101046382

EDR ID Number

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

Action Date: 9/30/2011

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0018009 / RAONR

 Primary ID:
 4-0001334

 Official City:
 BOURNE

 Notification:
 09/05/2003

 Category:
 72 HR

 Status Date:
 09/10/2004

 Phase:
 Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

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

Release Tracking Number/Current Status: 4-0022638 / RAO
Primary ID: Not reported
Official City: BOURNE
Notification: 05/29/2010
Category: TWO HR
Status Date: 04/02/2013

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

PHASE II

been reduced to background.

Oil / Haz Material Type: Oil

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

MA Spills:

Phase:

Facility ID: 4-6019 Spill ID: S93-0192 19940315 Staff Lead: BRENNAN, S Date Entered: Last Entered: 19940315 First Response: 19930326 Spill Date: 19930319 Spill Time: Not reported Report Date: 11:30AM 19930326 Report Time: Case Closed: YES Mat Type: **PETROLEUM** Virgin Waste: VIRGIN Contam Soil: Not reported Env Impact: Other Impact: Not reported **GASOLINE** Material: Other Material: Not reported Qty Reported: **UNKNOWN** Qty Actual: -----Qty Reported: Qty Actual: CAS No: Not reported PCB Lev (ppm): NONE Other Source: Source: Not reported Incident: **LEAK** Other Incdnt: Not reported Cleanup Type: Contractor: NOT USED Referral: SA LUST Elig: NO Category: Not reported

Report Prep: Not reported
Notifier: JEFF FORD/M&E

Notif Tel: Not reported

Days/Close: 0

MAP FINDINGS Map ID Direction

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

J37 PHILS AUTO SERVICE INC SHWS S106513358

NW **229 MAIN ST RELEASE** N/A

BUZZARDS BAY, MA 02532 HW GEN 1/2-1

0.893 mi.

21 ft.

4714 ft. Site 1 of 2 in cluster J

SHWS: Relative:

Release Tracking Number/Current Status: 4-0016075 / TIERII Lower

Release Town: **BOURNE** Actual: Notification Date: 02/21/2001 Category: 120 DY

> Associated ID: 4-0016075 **Current Status:** Tier II, A site/release receiving a total NRS score of less than 350,

unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP

without prior DEP approval. All pre-1993 transition sites that have

accepted waivers are categorically Tier 2 sites.

01/23/2002 Status Date: PHASE IV Phase:

Response Action Outcome: Oil Or Haz Material: Oil

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

Chemicals:

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS

139 parts per million Quantity:

Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS

Quantity: 23.9 parts per million

Actions:

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 1/11/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 1/11/2002 Response Action Outcome: Not reported

Tier Classification Action Type:

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

1/23/2002 Action Date: Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 1/23/2002 Response Action Outcome: Not reported

Action Type: Tier Classification Tier 2 Classification Action Status:

Action Date: 1/23/2002 Response Action Outcome: Not reported

Action Type: Phase 4

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILS AUTO SERVICE INC (Continued)

S106513358

EDR ID Number

Action Status: Status or Interim Report Received

Action Date: 10/24/2006 Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 2/21/2001
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 2/21/2001 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: 4/12/2001 Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/3/2001
Response Action Outcome: Not reported

Action Type: Phase 4

Action Status: Written Plan Received

Action Date: 4/5/2002
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 4/5/2002
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 4/5/2002
Response Action Outcome: Not reported

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

Action Date: 8/20/2001
Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0016075 / TIERII

 Primary ID:
 4-0016075

 Official City:
 BOURNE

 Notification:
 02/21/2001

 Category:
 120 DY

 Status Date:
 01/23/2002

 Phase:
 PHASE IV

Response Action Outcome: Oil / Haz Material Type: Oil

Direction Distance

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

PHILS AUTO SERVICE INC (Continued)

S106513358

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

HW GEN:

EPA Id: MAD097448310

RCRA Generator Status: **VSQG** State Generator Status: Not reported

S102967618 J38 **NEXT TO BETTY ANNS** SHWS

NW 227 MAIN ST **RELEASE** N/A **BOURNE, MA 02532 LEAD** 1/2-1

0.895 mi.

Actual:

20 ft.

4728 ft. Site 2 of 2 in cluster J

SHWS: Relative:

Release Tracking Number/Current Status: 4-0013325 / RAO Lower

Release Town: **BOURNE** 09/02/1997 Notification Date: Category: TWO HR

Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 08/28/2002 Phase: Not reported

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

Significant Risk exists.

Oil Or Haz Material: Oil

RESIDNTIAL Location Type: PIPE Source:

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

Chemicals:

FUEL OIL Chemical: Quantity: 250 gallons **FUEL OIL** Chemical: Quantity: 200 gallons

Actions:

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

1/30/1998 Action Date:

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: 10/1/1997

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: 10/16/1997

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

Significant Risk exists.

Distance

Elevation Site Database(s) EPA ID Number

NEXT TO BETTY ANNS (Continued)

S102967618

EDR ID Number

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

Action Date: 11/15/2001

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: 11/3/1997

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: Level I - Technical Screen Audit

Action Date: 12/4/2002

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: 8/28/2002

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

Significant Risk exists.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 9/2/1997

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

Significant Risk exists.

Action Type: Immediate Response Action Action Status: IRA Assessment Only

Action Date: 9/2/1997

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

Significant Risk exists.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 9/2/1997

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 Approval of Plan

Action Date: 9/2/1997

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: 9/2/1997

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

Significant Risk exists.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 9/22/1997

MAP FINDINGS Map ID

Direction Distance

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

NEXT TO BETTY ANNS (Continued)

S102967618

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

Significant Risk exists.

RLFA Action Type: Action Status: **FLDRAN** 9/22/1997 Action Date:

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

Significant Risk exists.

Action Type: **RLFA FOLOFF** Action Status: 9/3/1997 Action Date:

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

Significant Risk exists.

Release:

Release Tracking Number/Current Status: 4-0013325 / RAO Primary ID: Not reported Official City: BOURNE Notification: 09/02/1997 TWO HR Category: Status Date: 08/28/2002 Phase: Not reported

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

Significant Risk exists.

Oil / Haz Material Type: Oil

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

LEAD:

Community: **Buzzards Bay** Unit: Not reported Stephen Cook Inspector Name: Inspector License Number: 1189 Activity Type: **INSPECT Activity Date:** 03/20/2002 Start Work Date: Not reported Activity Descriptions: Determination Outcomes: Hazards Found

NO LOCATION AID SHWS S106863399 39 NNW 101 MAPLE ST **RELEASE** N/A

1/2-1 BOURNE, MA 02532

0.913 mi. 4818 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0018871 / RAO Lower

BOURNE Release Town: Actual: Notification Date: 01/13/2005 40 ft. Category: TWO HR Associated ID: Not reported

Response Action Outcome Current Status:

Status Date: 03/16/2005 Phase: Not reported Map ID MAP FINDINGS

Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S106863399

EDR ID Number

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

been reduced to background.

Oil Or Haz Material: Oil

Location Type: ROADWAY Source: VEHICLE

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

Chemicals:

Chemical: DIESEL FUEL Quantity: 20 gallons

Actions:

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

Action Date: 1/13/2005

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: 1/13/2005

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

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/14/2005

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

reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 1/28/2005

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

Action Date: 2/3/2005

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: 3/16/2005

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: 3/22/2005

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

reduced to background.

Map ID MAP FINDINGS

Direction Distance

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

NO LOCATION AID (Continued)

S106863399

RELEASE

N/A

Release:

Release Tracking Number/Current Status: 4-0018871 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 01/13/2005 Category: TWO HR Status Date: 03/16/2005 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

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

NO LOCATION AID SHWS S106513400

WNW **42 HOLT RD** 1/2-1 **BUZZARDS BAY, MA**

0.917 mi.

K40

4840 ft. Site 1 of 2 in cluster K

SHWS: Relative:

Release Tracking Number/Current Status: 4-0016701 / RAO Lower Release Town: **BOURNE**

Actual: Notification Date: 10/24/2001 16 ft. Category: TWO HR Associated ID: Not reported

> **Current Status: Response Action Outcome**

12/31/2001 Status Date: 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 **ROADWAY** Location Type: Source: **VEHICLE**

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

Chemicals:

TRIMETHYLBENZENE Chemical:

Quantity: 25 gallons

Actions:

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

Action Date: 10/24/2001

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: 10/24/2001

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

reduced to background.

Action Type: Immediate Response Action

MAP FINDINGS Map ID

Direction Distance

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

NO LOCATION AID (Continued) S106513400

Action Status: Oral Approval of Plan or Action

10/29/2001 Action Date:

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

reduced to background.

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

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

Action Date: 11/1/2001

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

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 12/20/2001

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

reduced to background.

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

Action Date: 12/31/2001

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

reduced to background.

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

Action Date: 8/1/2005

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0016701 / RAO Primary ID: Not reported Official City: **BOURNE** Notification: 10/24/2001 TWO HR Category: Status Date: 12/31/2001 Phase: Not reported

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

been reduced to background.

Oil / Haz Material Type: Not reported

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

ROADWAY SHWS S101026710 41

WNW 174 MAIN ST RELEASE N/A 1/2-1 BOURNE, MA 02532 **SPILLS**

0.930 mi. 4910 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0021618 / RAONR Lower

BOURNE Release Town: Actual: Notification Date: 10/28/2008 16 ft. Category: 120 DY

Associated ID: 4-0021068 Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

ROADWAY (Continued) S101026710

Current Status: Response Action Outcome Not Required

Status Date: 02/12/2009 Phase: Not reported

Response Action Outcome: Oil Or Haz Material: Oil

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

Chemicals:

Chemical: OIL
Quantity: .125 inches

Actions:

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/28/2008 Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 10/28/2008 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: 12/30/2008 Response Action Outcome: 12/30/2008 Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 2/12/2009
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 2/12/2009
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 2/12/2009
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification

Action Date: 2/12/2009
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published

Action Date: 2/20/2009
Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0021618 / RAONR

EDR ID Number

MAP FINDINGS Map ID

Direction Distance Elevation

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

ROADWAY (Continued) S101026710

Primary ID: 4-0021068 Official City: **BOURNE** 10/28/2008 Notification: 120 DY Category: Status Date: 02/12/2009 Phase: Not reported

Response Action Outcome: Oil / Haz Material Type: Oil

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

MA Spills:

Facility ID: 0000 Staff Lead: MORAN, M Last Entered: 19891214 Spill Date: 19891023 Report Date: 19891023 Case Closed: YES Virgin Waste:

SOIL Env Impact: Material:

OTHER MATERIAL Qty Reported: SHEEN

Qty Reported: CAS No: Not reported Source: OTHER SOURCE > OTHER RELEASE > Incident:

Cleanup Type: Referral: NO

Report Prep: Not reported Notifier: SUSAN VALDEZ/FD

Notif Tel: Not reported

Days/Close:

0000 Facility ID: Staff Lead: COOPERMAN, S Last Entered: 19910923 Spill Date: 19910325 Report Date: 19910325 Case Closed: YES VIRGIN Virgin Waste: Env Impact: SOIL Material: **DIESEL FUEL**

101-250 Qty Reported: Qty Reported: **GALLONS** CAS No: Not reported Source: VEH. FUEL TANK **RUPTURE** Incident:

Cleanup Type: Referral: NO

Report Prep: Not reported

PAUL KENNEDY/ LEOMINSTER Notifier:

Notif Tel: Not reported

Days/Close: 267

S89-0744 Spill ID: Date Entered: Not reported First Response: 19891023 Spill Time: Not reported Report Time: 02:00PM Mat Type: **PETROLEUM** Contam Soil: Not reported Not reported Other Impact:

Other Material: OIL/GAS MIXTURE Qty Actual: SHEEN Qty Actual: NONE PCB Lev (ppm): Other Source: SEWER LINE

INSTALLATION Other Incdnt: Contractor: NOT USED

LUST Elig:

Not reported Category:

C91-0136 Spill ID: Date Entered: 19910923 First Response: 19910325 Spill Time: 11:59AM 12:45PM Report Time: **PETROLEUM** Mat Type: Contam Soil: Not reported Other Impact: Not reported Other Material: Not reported 101-250 Qty Actual: **GALLONS** Qty Actual: PCB Lev (ppm): NONE Other Source: Not reported Other Incdnt: Not reported Contractor:

NOT USED LUST Elia: NO

Not reported Category:

EDR ID Number

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

42 FORMER CANAL VIEW AUTO SHWS \$106513465 WNW 2 AND 6 CANAL VIEW RD RELEASE N/A

1/2-1 BUZZARDS BAY, MA

0.930 mi. 4911 ft.

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0018050 / RAO

 Actual:
 Notification Date:
 10/02/2003

 16 ft.
 Category:
 120 DY

Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 10/05/2004 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

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

Chemicals:

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS

 Quantity:
 3230 parts per million

 Chemical:
 2-METHYLNAPHTHALENE

 Quantity:
 82.5 parts per million

 Chemical:
 NAPHTHALENE

 Quantity:
 351 parts per million

Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS

Quantity: 9020 parts per million

Actions:

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 10/2/2003

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: 10/2/2003

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: 10/5/2004

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

reduced to background.

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

Action Date: 10/7/2004

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

Distance Elevation

Elevation Site Database(s) EPA ID Number

FORMER CANAL VIEW AUTO (Continued)

S106513465

EDR ID Number

Action Date: 11/13/2003

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: 11/13/2003

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: 11/13/2003

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: 6/14/2004

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: 6/14/2004

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

reduced to background.

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 7/28/2004

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

reduced to background.

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 8/17/2004

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0018050 / RAO
Primary ID: Not reported
Official City: BOURNE
Notification: 10/02/2003
Category: 120 DY
Status Date: 10/05/2004
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

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

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

K43 BOURNE POLICE HQ SHWS \$104546196 WNW 175 MAIN ST LUST N/A

1/2-1 BOURNE, MA 02532 RELEASE

0.957 mi.

5054 ft. Site 2 of 2 in cluster K

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0010342 / RAO

 Actual:
 Notification Date:
 03/15/1994

 12 ft.
 Category:
 72 HR

Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 01/07/1997 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: MUNICIPAL Source: 30 YRS OLD

Source: UST

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

Chemicals:

Chemical: GASOLINE
Quantity: Not reported

Actions:

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

Action Date: 1/7/1997

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: 3/14/1995

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: 3/14/1995

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: 3/14/1995

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

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/15/1994

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

reduced to background.

MAP FINDINGS Map ID

Direction Distance

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

BOURNE POLICE HQ (Continued)

S104546196

Action Type: Release Disposition

Reportable Release under MGL 21E Action Status:

3/15/1994 Action Date:

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: 3/15/1994

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

reduced to background.

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

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

Action Date: 3/16/1994

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

5/18/1994 Action Date:

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

reduced to background.

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 5/6/1994

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

reduced to background.

LUST:

Facility:

Release Tracking Number/Current Status: 4-0010342 / RAO

01/07/1997 Status Date: Source Type: UST Release Town: **BOURNE** Notification Date: 03/15/1994 Category: 72 HR Associated ID: Not reported PHASE II Phase:

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

been reduced to background.

Oil Or Haz Material: Oil

Location Type: **MUNICIPAL** Source: 30 YRS OLD

Source: UST

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

Chemicals:

Chemical: **GASOLINE** Quantity: Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

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

BOURNE POLICE HQ (Continued)

S104546196

Actions:

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

Action Date: 1/7/1997

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

reduced to background.

Action Type: Phase 1

Action Status: Completion Statement Received

Action Date: 3/14/1995

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

3/14/1995 Action Date:

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: 3/14/1995

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

reduced to background.

Action Type: **RLFA FOLOFF** Action Status: Action Date: 3/15/1994

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

3/15/1994 Action Date:

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

3/15/1994 Action Date:

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: 3/16/1994

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: 5/18/1994

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

reduced to background.

Action Type:

Action Status: Reportable Release under MGL 21E

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

S104546196

BOURNE POLICE HQ (Continued)

Action Date: 5/6/1994

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0010342 / RAO
Primary ID: Not reported
Official City: BOURNE
Notification: 03/15/1994
Category: 72 HR
Status Date: 01/07/1997
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

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

Count: 17 records. ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|--------------|------------|------------------------------------|-------------------------------|-------|---------------|
| BOURNE | S105522101 | SCENIC HWY REST AREA | RTE 6 | 02532 | SHWS, RELEASE |
| BOURNE | S117692247 | BOURNE ROTARY | ROUTE 6 | | SHWS, RELEASE |
| BOURNE | S110822329 | ON RAMP TO MID CAPE HIGHWAY | ROUTE 6A | | SHWS, RELEASE |
| BOURNE | S105596616 | FMR A RANGE | AVERY RD | 02532 | SHWS, RELEASE |
| BOURNE | S111411928 | NEAR BORNE BRIDGE | BOURNE BRIDGE APPROACH STREET | 02532 | SHWS, RELEASE |
| BOURNE | S105596816 | MARION LN | COUNTY RD | 02532 | SHWS, RELEASE |
| BOURNE | S109489649 | OLD GUN POSITION 19 | KENDRICK RD | 02532 | SHWS, RELEASE |
| BOURNE | S109330151 | BROOKSIDE DEVELOPMENT CORP LANDFIL | MACARTHUR BLVD | 02532 | SWF/LF |
| BOURNE | 1007444460 | BOURNE SANITARY LANDFILL | MACARTHUR BLVD | | ODI |
| BOURNE | S113411865 | ISLAND CHANNEL | OFF MAIN STREEET | | SHWS, RELEASE |
| BOURNE | S105735850 | MP-4 | POCASSETT SANDWICH RD | 02532 | SHWS, RELEASE |
| BOURNE | S108117206 | CANAL RD | SANDWICH RD | 02532 | SHWS, RELEASE |
| BOURNE | S110526364 | WOODED AREA NEAR REST AREA | SANDWICH ROAD | | SHWS, RELEASE |
| BOURNE | S103812523 | NO LOCATION AID | SHORE RD | 02532 | SHWS, RELEASE |
| BOURNE | S109330147 | BOURNE MIDDLE SCHOOL | WATERHOUSE RD | 02532 | SWF/LF |
| BOURNE | S105596615 | CA-1 | WOOD RD | 02532 | SHWS, RELEASE |
| BUZZARDS BAY | S106513455 | B NO 120 | BUZZARDS BAY OIL SPILL | | SHWS, 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: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
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: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
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.

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

Source: EPA 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: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 75

Source: EPA Telephone: N/A

Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

Federal CERCLIS list

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: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

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: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810

Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

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: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

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: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Varies

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: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 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: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

LF PROFILES: Landfill Profiles Listing

This spreadsheet describes landfills that have actively accepted waste or have closed under MassDEP Solid Waste Regulations first adopted in 1971 (310 CMR 16.00 and 310 CMR 19.00). The list does not include landfills that closed before 1971 (and which never had a MassDEP permit or approval), or for which agency data is incomplete.

Date of Government Version: 06/26/2012 Date Data Arrived at EDR: 11/21/2014 Date Made Active in Reports: 12/17/2014

Number of Days to Update: 26

Source: Department of Environmental Protection

Telephone: 617-292-5868 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

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: 09/16/2015 Date Data Arrived at EDR: 10/07/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 15

Source: Department of Environmental Protection

Telephone: 617-292-5989 Last EDR Contact: 10/07/2015

Next Scheduled EDR Contact: 01/18/2016 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tank Sites

Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5500 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 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: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 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: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 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: 07/30/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 07/28/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 415-972-3372

Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

State and tribal registered storage tank lists

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: 07/10/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: Varies

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: 07/13/2015 Date Data Arrived at EDR: 07/21/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 14

Source: Department of Fire Services, Office of the Public Safety

Telephone: 617-556-1035 Last EDR Contact: 07/21/2015

Next Scheduled EDR Contact: 11/02/2015 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: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Quarterly

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: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 07/28/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

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: 07/30/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

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: 07/28/2015 Date Data Arrived at EDR: 08/14/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 60

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

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

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: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS 2: Potential Brownfields Listing

A listing of potential brownfields site locations in the state.

Date of Government Version: 12/17/2014 Date Data Arrived at EDR: 05/06/2015 Date Made Active in Reports: 05/11/2015

Number of Days to Update: 5

Source: Department of Environmental Protection

Telephone: 617-556-1007 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Varies

BROWNFIELDS: Completed Brownfields Covenants Listing

Under Massachusetts law, M.G.L. c. 21E is the statute that governs the cleanup of releases of oil and/or hazardous material to the environment. The Brownfields Act of 1998 amended M.G.L. c. 21E by establishing significant liability relief and financial incentives to spur the redevelopment of brownfields, while ensuring that the Commonwealth's environmental standards are met. Most brownfields are redeveloped with the benefit of liability protections that operate automatically under M.G.L. c. 21E.

Date of Government Version: 11/01/2014 Date Data Arrived at EDR: 11/06/2014 Date Made Active in Reports: 11/10/2014

Number of Days to Update: 4

Source: Office of the Attorney General

Telephone: 617-963-2423 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Annually

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: 06/22/2015 Date Data Arrived at EDR: 06/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 06/24/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 05/01/2015

Next Scheduled EDR Contact: 08/17/2015 Data Release Frequency: Varies

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

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: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

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: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: No Update Planned

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: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Quarterly

Local Land Records

LIENS: Liens Information Listing
A listing of environmental liens.

Date of Government Version: 02/24/2014 Date Data Arrived at EDR: 02/27/2014 Date Made Active in Reports: 03/14/2014

Number of Days to Update: 15

Source: Department of Environmental Protection

Telephone: 617-292-5628 Last EDR Contact: 05/22/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Varies

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: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 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: 06/24/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 68

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/08/2013

Number of Days to Update: 36

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/10/1998 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/05/2013

Number of Days to Update: 61

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

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: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 09/11/2015

Next Scheduled EDR Contact: 12/21/2015 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: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

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: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: N/A

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: 05/21/2015

Next Scheduled EDR Contact: 08/31/2015 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: 09/01/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 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: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

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: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015

Data Release Frequency: Varies

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: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/25/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Every 4 Years

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: 12/31/2013 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 110

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 01/29/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Annually

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: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Annually

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: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015 Date Data Arrived at EDR: 08/26/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016 Data Release Frequency: Varies

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015 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: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 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: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

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: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 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: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

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: 06/26/2015 Date Data Arrived at EDR: 07/10/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 95

Source: Nuclear Regulatory Commission Telephone: 301-415-7169

Last EDR Contact: 09/03/2015

Next Scheduled EDR Contact: 12/21/2015 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant 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: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

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: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 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: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015

Data Release Frequency: Varies

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: 07/07/2015 Date Data Arrived at EDR: 07/09/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/19/2015 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

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: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015 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: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015

Data Release Frequency: Varies

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: 12/31/2013 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 08/28/2015

Next Scheduled EDR Contact: 12/07/2015 Data Release Frequency: Biennially

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: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-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: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 07/07/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

Source: American Journal of Public Health

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 07/22/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 40

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 07/22/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 40

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/22/2015 Data Release Frequency: Annually

US 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: 05/14/2015 Date Data Arrived at EDR: 06/03/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 91

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 09/01/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/14/2015

Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

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: 07/20/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 55

Source: EPA

Telephone: (617) 918-1111 Last EDR Contact: 09/09/2015

Next Scheduled EDR Contact: 12/21/2015 Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 01/26/2015 Date Data Arrived at EDR: 01/27/2015 Date Made Active in Reports: 02/10/2015

Number of Days to Update: 14

Source: Department of Environmental Protection

Telephone: 617-292-5789 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015

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: 08/03/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 30

Source: Department of Environmental Protection

Telephone: 617-292-5633 Last EDR Contact: 08/03/2015

Next Scheduled EDR Contact: 11/02/2015

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: 08/31/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 09/22/2015

Number of Days to Update: 19

Source: Department of Environmental Quality

Telephone: 617-292-5979 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 11/16/2015

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: 06/11/2015

Next Scheduled EDR Contact: 09/28/2015 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: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Quarterly

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: 10/01/2014 Date Data Arrived at EDR: 10/30/2014 Date Made Active in Reports: 11/10/2014

Number of Days to Update: 11

Source: Department of Environmental Protection

Telephone: 617-292-5970 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

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: 08/07/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Varies

HW GEN: List of Massachusetts Hazardous Waste Generators

Permanent generator identification numbers for all Massachusetts generators of hazardous waste and waste oil that have registered with or notified MassDEP of their hazardous waste activities.

Date of Government Version: 09/25/2015 Date Data Arrived at EDR: 09/30/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 22

Source: Department of Environmental Protection

Telephone: 617-292-5500 Last EDR Contact: 09/30/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Semi-Annually

LEAD: Lead Inspection Database

The Massachusetts Childhood Lead Poisoning Prevention Program data of lead inspection for the state.

Date of Government Version: 07/09/2015 Date Data Arrived at EDR: 07/15/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 20

Source: Department of Health & Human Services, Childhood Lead Poisoning Prevention Progr

Telephone: 617-624-5757 Last EDR Contact: 07/06/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

MERCURY: Mercury Product Recyling Drop-Off Locations Listing

A listing of locations, collecting and recycling for mercury-added products. Mercury is toxic to the human nervous system, as well as fish and animals. Mercury can enter the body either through skin absorption or through inhalation of mercury vapors. At room temperature, small beads of mercury will vaporize.

Date of Government Version: 08/28/2015 Date Data Arrived at EDR: 08/28/2015 Date Made Active in Reports: 09/22/2015

Number of Days to Update: 25

Source: Department of Environmental Protection

Telephone: 617-292-5632 Last EDR Contact: 08/24/2015

Next Scheduled EDR Contact: 12/07/2015

Data Release Frequency: Varies

NPDES: NPDES Permit Listing

Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.

Date of Government Version: 09/15/2015 Date Data Arrived at EDR: 09/18/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 34

Source: Department of Environmental Protection

Telephone: 508-767-2781 Last EDR Contact: 09/18/2015

Next Scheduled EDR Contact: 11/30/2015

Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 35

Source: Massachusetts Emergency Management Agency

Telephone: 508-820-2019 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 02/02/2015 Data Release Frequency: Annually

TSD: TSD Facility

List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 04/01/2015 Date Data Arrived at EDR: 06/30/2015 Date Made Active in Reports: 07/10/2015

Number of Days to Update: 10

Source: Department of Environmental Protection

Telephone: 617-292-5580 Last EDR Contact: 06/24/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Last EDR Contact: N/A Date Made Active in Reports: N/A

Next Scheduled EDR Contact: N/A Number of Days to Update: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013

Number of Days to Update: 176

Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013

Number of Days to Update: 176

Source: Department of Environmental Protection

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: MassDEP Telephone: 617-292-5907

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PEEBLES ELEMENTARY SCHOOL 70 TROWBRIDGE RD BUZZARDS BAY, MA 02532

TARGET PROPERTY COORDINATES

Latitude (North): 41.7391 - 41° 44′ 20.76″ Longitude (West): 70.59 - 70° 35′ 24.00″

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 367777.9 UTM Y (Meters): 4621818.0

Elevation: 89 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5642133 POCASSET, MA

Version Date: 2012

North Map: 5642135 SAGAMORE, MA

Version Date: 2012

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).

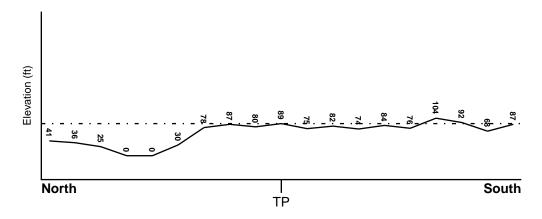
TOPOGRAPHIC INFORMATION

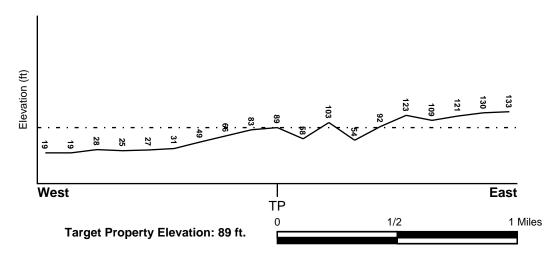
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

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

Target Property County
BARNSTABLE, MA
Electronic Data
YES - refer to the

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2552100005D - FEMA Q3 Flood data

Additional Panels in search area: 2552100008E - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property

NWI Quad at Target Property

Data Coverage

POCASSET 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.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

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

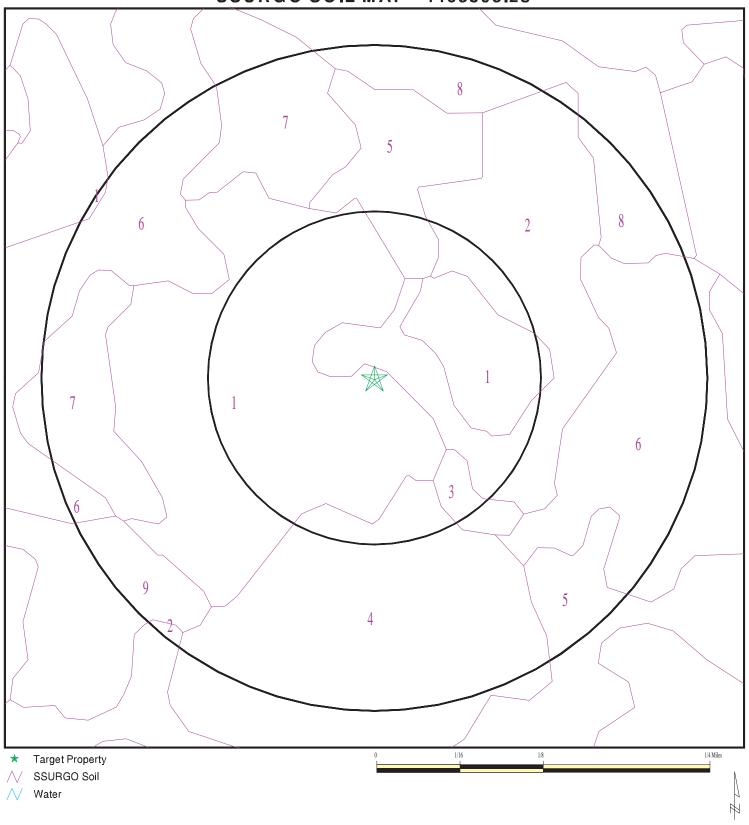
Era: Cenozoic Category: Stratifed Sequence

System: Quaternary Series: Pleistocene

Code: Qp (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 - 4465395.2s



SITE NAME: Peebles Elementary School
ADDRESS: 70 Trowbridge Rd
Buzzards Bay MA 02532
LAT/LONG: 41.7391 / 70.59

CLIENT: Fuss & O Neill, Inc. CONTACT: Adam Finkelman INQUIRY#: 4465395.2s

November 12, 2015 3:27 pm DATE:

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: Udipsamments

Soil Surface Texture:

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

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: 2

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: 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 | | | | | | | |
|------------------------|-----------|-----------|----------------------------|----------------|--------------|-----------------------------|----------------------------|
| | Воц | ındary | | Classification | | Saturated hydraulic | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | conductivity micro m/sec | conductivity Soil Reaction |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 4.5 |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 4.5 |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 4.5 |

Soil Map ID: 3

Soil Component Name: Pits

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

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: 4

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: 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 | | | | | | | |
|------------------------|-----------|-----------|----------------------------|----------------|--------------|---------------------------|----------------------|
| | Bou | ındary | | Classification | | Saturated hydraulic | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 4.5 |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 4.5 |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 4.5 |

Soil Map ID: 5

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: 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 | | | | | | | |
|------------------------|-----------|-----------|----------------------------|----------------|--------------|---------------------------|----------------------|
| | Boundary | | | Classification | | Saturated hydraulic | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | Soil Reaction (pH) |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 3.6 |

Soil Map ID: 6

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: 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 | | | | | | | |
|------------------------|-----------|-----------|----------------------------|----------------|--------------|----------------------------------|----------------------|
| | Bou | ındary | | Classification | | Saturated hydraulic | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | conductivity micro m/sec (pH) | |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 3.6 |

Soil Map ID: 7

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: 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 | | | | | | | |
|------------------------|-----------|-----------|----------------------------|----------------|--------------|-----------------------------|-------------------------|
| | Воц | ındary | | Classification | | Saturated hydraulic | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | conductivity micro m/sec | luctivity Soil Reaction |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 3.6 |

Soil Map ID: 8

Soil Component Name: Urban land

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

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: 9

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: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|----------------|--------------|---------------------------|-----------|
| | Boundary | | | Classification | | Saturated hydraulic | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | muck | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: Min: |
| 2 | 5 inches | 64 inches | muck | Not reported | Not reported | Max: 42.34 Min: 4.23 | Max: Min: |

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 |
|--------|-----------------|---------------------|
| 1 | USGS40000459414 | 1/4 - 1/2 Mile SSE |
| 2 | USGS40000459486 | 1/4 - 1/2 Mile East |
| 3 | USGS40000459355 | 1/4 - 1/2 Mile SSW |
| 4 | USGS40000459364 | 1/4 - 1/2 Mile SSW |
| A6 | USGS40000459672 | 1/2 - 1 Mile North |
| A7 | USGS40000459687 | 1/2 - 1 Mile NNE |
| A8 | USGS40000459688 | 1/2 - 1 Mile NNE |
| A9 | USGS40000459689 | 1/2 - 1 Mile NNE |
| A10 | USGS40000459686 | 1/2 - 1 Mile NNE |
| A11 | USGS40000459685 | 1/2 - 1 Mile NNE |
| 12 | USGS40000459709 | 1/2 - 1 Mile North |
| B14 | USGS40000459729 | 1/2 - 1 Mile NE |
| B15 | USGS40000459728 | 1/2 - 1 Mile NE |
| B16 | USGS40000459730 | 1/2 - 1 Mile NE |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID LOCATION FROM TP

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION FROM TP

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID

LOCATION WELL ID FROM TP

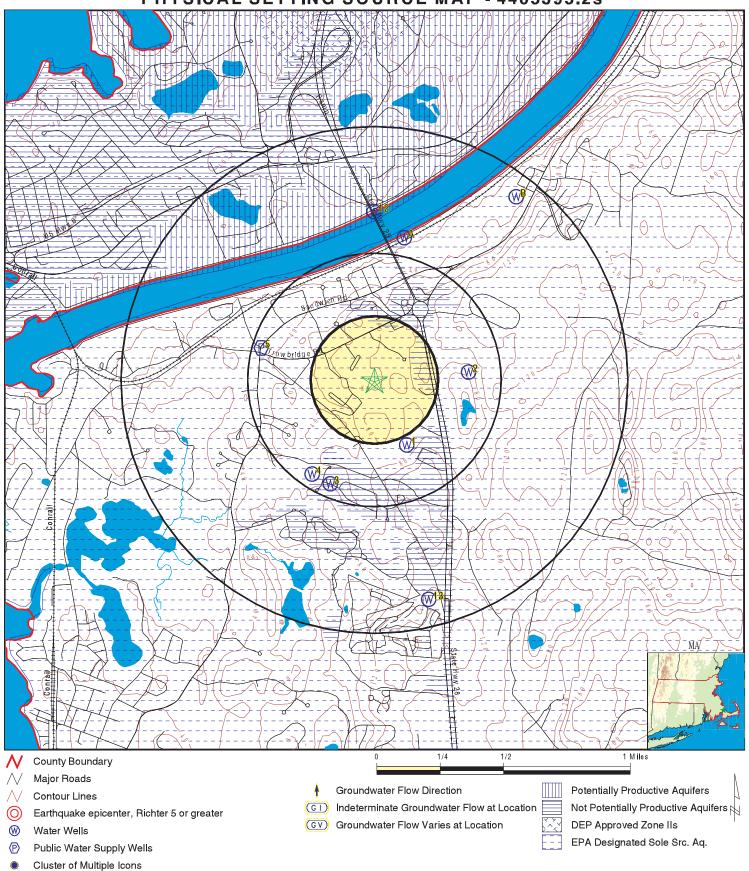
13 MA8000000001196 1/2 - 1 Mile SSE

OTHER STATE DATABASE INFORMATION

ACEC ID AREA NAME

BOURNE BACK RIVERBOURNE BACK RIVER

PHYSICAL SETTING SOURCE MAP - 4465395.2s



SITE NAME: Peebles Elementary School ADDRESS:

70 Trowbridge Rd Buzzards Bay MA 02532 LAT/LONG: 41.7391/70.59

CLIENT: Fuss & O Neill, In CONTACT: Adam Finkelman Fuss & O Neill, Inc. INQUIRY #: 4465395.2s

DATE: November 12, 2015 3:27 pm

Map ID Direction Distance

Elevation Database EDR ID Number

SSE FED USGS USGS40000459414

1/4 - 1/2 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414407070351701

Monloc name: MA-BHW 146

Monloc type: Well

Monloc desc: Not Reported

01090002 Drainagearea value: Not Reported Huc code: Contrib drainagearea: Not Reported Drainagearea Units: Not Reported 41.7353835 Contrib drainagearea units: Not Reported Latitude: Longitude: -70.5875304 Sourcemap scale: 24000 Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 48.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Not Reported Formation type: Not Reported Aquifer type: Not Reported

Construction date: 19650712 Welldepth: 18.3 Welldepth units: ft Wellholedepth: 18.3

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1965-07-12

Note: The site was dry (no water level recorded).

1/4 - 1/2 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414422070350001

Monloc name: MA-BHW 138 Monloc type: Well

Monloc desc: Not Reported Huc code: 01090002

Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7395502 Longitude: -70.582808 Sourcemap scale: 24000 Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 48.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported

Aquifer type: Not Reported

Construction date: 19650623 Welldepth: 41
Welldepth units: ft Wellholedepth: 50

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1965-06-23 14.00

3 SSW #44 4 (2 Miles

1/4 - 1/2 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414359070353801

Monloc name: MA-BHW 142

Monloc type: Well

Monloc desc: Not Reported

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7331613 Latitude: Longitude: -70.5933639 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 30.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported Aquifer type: Not Reported

Construction date: 19650630 Welldepth: 50.3 Welldepth units: ft Wellholedepth: 50.3

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1965-06-30 23.00

4 SSW FED USGS USGS40000459364

1/4 - 1/2 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414401070354301

Monloc name: MA-BHW 145

Monloc type: Well
Monloc desc: Not Reported

Huc code:01090002Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:41.7337168Longitude:-70.5947528Sourcemap scale:24000

Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 40.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Not Reported Formation type: Not Reported Aquifer type: Not Reported

Construction date: 19650708 Welldepth: 13 Welldepth units: ft Wellholedepth: 13

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to Surface Sealevel

1965-07-08

Note: The site was dry (no water level recorded).

5 WNW FRDS PWS MA4036011

1/4 - 1/2 Mile Lower

Epa region: 01 State: MA

Pwsid: MA4036011

Pwsname: SCHOONER PASS TRUSTEES CONDOMINIUMS

City served:Not ReportedState served:MAZip served:Not ReportedFips county:25001Status:ActivePop srvd:94

Pwssvcconn: 69 Source: Purch_groundwater

Pws type: CWS Owner: Private

Contact: CLARENCE HASSAN

Contactor gname: SCHOONER PASS CONDOS

Contact phone: 5087593531 Contact address1: C/O BRISTOL SOUTH MANAGEMENT

Contact address2: P.O. BOX 77 Contact city: RAYNHAM Contact state: MA Contact zip: 02767

Activity code: A

Location Information:

Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Pwstypcd: CWS Primsrccd: GWP

Popserved: 94

Add1: C/O BRISTOL SOUTH MANAGEMENT INC., INC.

Add2: ATTN: RUSS YULE, PO 77

City: RAYNHAM State: MA

 Zip:
 02767
 Phone:
 5087593531

 Cityserv:
 BOURNE
 Cntyserv:
 Barnstable

 Stateserv:
 MA
 Zipserv:
 02532

Enforcement Information:

Violation id: Not Reported Orig cd: S

Enf fy: 2005 Enf act date: 10/13/2004 Enf act detail: St Compliance achieved Enf act cat: Not Reported

Enforcement Information:

Violation id: Not Reported Orig cd: S

Enf fy: 2004 Enf act date: 03/15/2004 Enf act detail: St AO (w/o penalty) issued Enf act cat: Not Reported

Enforcement Information:

Violation id: 1 Orig cd: S

Enf fy: 2006 Enf act date: 08/03/2006 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 03V0001 Orig cd: S

Enf fy: 2003 Enf act date: 01/29/2003 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 02V0001 Orig cd: S

Enf fy: 2002 Enf act date: 02/26/2002 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 01V0001 Orig cd: S

Enf fy: 2001 Enf act date: 05/09/2001 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Violations Information:

 Violoation id:
 1
 Orig cd:
 S

 State:
 MA
 Viol fy:
 2005

Contamcd: 3100

Contamnm: Coliform (TCR)

Viol code: 23

Viol name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR

Violmeasur:Not ReportedUnitmeasur:Not ReportedState mcl:Not ReportedCmpbdt:07/01/2005

Cmpedt: 07/31/2005

Violations Information:

 Violoation id:
 03V0001
 Orig cd:
 S

 State:
 MA
 Viol fy:
 2002

Contamcd: 3100

Contamnm: Coliform (TCR)

Viol code: 23

Viol name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR

Violmeasur:Not ReportedUnitmeasur:Not ReportedState mcl:Not ReportedCmpbdt:11/01/2002

Cmpedt: 11/30/2002

Violations Information:

 Violoation id:
 02V0001
 Orig cd:
 S

 State:
 MA
 Viol fy:
 2001

Contamcd: 2987

Contamnm: Tetrachloroethylene

Viol code: 03

Viol name: Monitoring, Regular

Rule code: 310 Rule name: VOC

Violmeasur: Not Reported Unitmeasur: Not Reported

Not Reported 10/01/2001 State mcl: Cmpbdt:

Cmpedt: 12/31/2001

Violations Information:

01V0001 S Violoation id: Orig cd: 2000 State: MA Viol fy:

Contamcd: 2987

Contamnm: Tetrachloroethylene

Viol code: 03

Monitoring, Regular Viol name:

Rule code: 310

Rule name: VOC

Violmeasur: Not Reported Unitmeasur: Not Reported Not Reported Cmpbdt: 10/01/2000 State mcl: Cmpedt: 12/31/2000

PWS ID: MA4036011

Not Reported Date Deactivated: Not Reported Date Initiated: SCHOONER PASS TRUSTEES CONDOMINIUMS PWS Name:

SANDWICH ROAD

BUZZARDS BAY, MA 025320000

Addressee / Facility: Mailing

SCHOONER PASS VILLAGE TRUST

SANDWICH ROAD

BUZZARDS BAY, MA 025320000

Facility Latitude: 41 44 27 Facility Longitude: 070 35 57

City Served: Not Reported

Treatment Class: Untreated Population: 98

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate: 03/31/2009 Pwsid: MA4036011

SCHOONER PASS TRUSTEES CONDOMINIUMS Pwsname:

Retpopsrvd: 104 Pwstypecod:

TETRACHLOROETHYLENE Vioid: 01V0001 Contaminant: 3

Viol. Type:

Complperbe: 10/1/2000 0:00:00

5/9/2001 0:00:00 Complperen: 12/31/2000 0:00:00 Enfdate:

Enf action: State Formal NOV Issued

Violmeasur:

Truedate: 03/31/2009 Pwsid: MA4036011

SCHOONER PASS TRUSTEES CONDOMINIUMS Pwsname:

104 Pwstypecod: С Retpopsrvd:

02V0001 **TETRACHLOROETHYLENE** Vioid: Contaminant:

Viol. Type: 3

Complperbe: 10/1/2001 0:00:00

Complperen: 12/31/2001 0:00:00 Enfdate: 2/26/2002 0:00:00

Enf action: State Formal NOV Issued

Violmeasur:

Truedate: 03/31/2009 Pwsid: MA4036011

Pwsname: SCHOONER PASS TRUSTEES CONDOMINIUMS

Retpopsrvd: 104 Pwstypecod: C

Vioid: 03V0001 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 11/1/2002 0:00:00

Complperen: 11/30/2002 0:00:00 Enfdate: 1/29/2003 0:00:00

Enf action: State Formal NOV Issued

Violmeasur: 0

Truedate: 03/31/2009 Pwsid: MA4036011

Pwsname: SCHOONER PASS TRUSTEES CONDOMINIUMS

Retpopsrvd: 104 Pwstypecod: 0

Vioid: 1 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Major (TCR)

Complperbe: 7/1/2005 0:00:00

Complperen: 7/31/2005 0:00:00 Enfdate: 8/3/2006 0:00:00

Enf action: State Formal NOV Issued

Violmeasur: Not Reported

System Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Violation Type: 3

Contaminant: TETRACHLOROETHYLENE

Compliance Period: 10/1/2000 0:00:00 - 12/31/2000 0:00:00

Violation ID: 01V0001

Enforcement Date: 5/9/2001 0:00:00 Enf. Action: State Formal NOV Issued

System Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Violation Type: 3

Contaminant: TETRACHLOROETHYLENE

Compliance Period: 10/1/2000 0:00:00 - 12/31/2000 0:00:00

Violation ID: 01V0001

Enforcement Date: 5/9/2001 0:00:00 Enf. Action: State Formal NOV Issued

System Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Violation Type: 3

Contaminant: TETRACHLOROETHYLENE

Compliance Period: 10/1/2001 0:00:00 - 12/31/2001 0:00:00

Violation ID: 02V0001

Enforcement Date: 2/26/2002 0:00:00 Enf. Action: State Formal NOV Issued

System Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Violation Type: 3

Contaminant: TETRACHLOROETHYLENE

Compliance Period: 10/1/2001 0:00:00 - 12/31/2001 0:00:00

Violation ID: 02V0001

Enforcement Date: 2/26/2002 0:00:00 Enf. Action: State Formal NOV Issued

System Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Violation Type: Monitoring, Routine Major (TCR)

Contaminant: COLIFORM (TCR)

Compliance Period: 11/1/2002 0:00:00 - 11/30/2002 0:00:00

Violation ID: 03V0001

Enforcement Date: 1/29/2003 0:00:00 Enf. Action: State Formal NOV Issued

System Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Violation Type: Monitoring, Routine Major (TCR)

Contaminant: COLIFORM (TCR)

Compliance Period: 11/1/2002 0:00:00 - 11/30/2002 0:00:00

Violation ID: 03V0001

Enforcement Date: 1/29/2003 0:00:00 Enf. Action: State Formal NOV Issued

ENFORCEMENT INFORMATION:

System Name: SCHOONER PASS TRUSTEES CONDOMINIUMS

Violation Type: Monitoring, Routine Major (TCR)

Contaminant: COLIFORM (TCR)

Compliance Period: 7/1/2005 0:00:00 - 7/31/2005 0:00:00

Violation ID:

Enforcement Date: 8/3/2006 0:00:00 Enf. Action: State Formal NOV Issued

System Name: SCHOONER PASS TRUSTEES CON

Violation Type: MCL, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1994-12-01 - 1994-12-31

Violation ID: 9500001V

Enforcement Date: 1995-03-03 Enf. Action: State Formal NOV Issued

CONTACT INFORMATION:

Name: SCHOONER PASS TRUSTEES CONDOMPONITION: 104

Contact: ROBERT E SMITH JR. Phone: 5087599020

Address: SCHOONER PASS TRUSTEES CONDOS

Address 2: P.O. BOX 12

SAGAMORE, MA 02561

A6
North
1/2 - 1 Mile

FED USGS USGS40000459672

Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414448070352101

Monloc name: MA-BHB 13 Monloc type: Well

Monloc desc: Not Reported

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported 41.7467722 Contrib drainagearea units: Not Reported Latitude: -70.5886416 24000 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 11.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported
Aquifer type: Not Reported

Construction date: 19330101 Welldepth: 120 Welldepth units: ft Wellholedepth: 120

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

EDR ID Number Elevation Database

A7 NNE

FED USGS USGS40000459687

1/2 - 1 Mile Lower

> Org. Identifier: **USGS-MA**

USGS Massachusetts Water Science Center Formal name:

Monloc Identifier: USGS-414450070351703

Monloc name: MA-BHW 218

Monloc type: Well

Monloc desc: Not Reported 01090002 Huc code:

Drainagearea value: Not Reported Drainagearea Units: Contrib drainagearea: Not Reported Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7473278 Longitude: -70.5875304 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

US Vert coord refsys: NGVD29 Countrycode:

Sand and gravel aquifers (glaciated regions) Aquifername:

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

58 Construction date: 19750625 Welldepth: Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

Feet below Feet to Feet below Feet to Surface Sealevel Surface Sealevel Date Date

1977-03-31 6.76

Note: The water level was affected by stage in nearby surface-water site. 1976-11-30 7.25

Note: The water level was affected by stage in nearby surface-water site. 1976-10-28 7.35

Note: The water level was affected by stage in nearby surface-water site. 1976-09-29 8.13

Note: The water level was affected by stage in nearby surface-water site. 1976-08-24 7.26

Note: The water level was affected by stage in nearby surface-water site. 1976-07-27

Note: The water level was affected by stage in nearby surface-water site. 1976-06-30 6.16

Note: The water level was affected by stage in nearby surface-water site. 1976-05-25 6.20

Note: The water level was affected by stage in nearby surface-water site. 1976-05-04 8.39

Note: The water level was affected by stage in nearby surface-water site. 1976-03-23 7.77

Note: The water level was affected by stage in nearby surface-water site. 1976-02-24 6.66

Note: The water level was affected by stage in nearby surface-water site. 1976-01-20 6.07

Note: The water level was affected by stage in nearby surface-water site.

Ground-water levels, continued.

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1975-12-15 6.11

Note: The water level was affected by stage in nearby surface-water site.

1975-11-24 7.21

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 5.48

Note: The water level was affected by stage in nearby surface-water site.

A8
NNE
FED USGS USGS40000459688

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351704

Monloc name: MA-BHW 219

Monloc type: Well

Monloc desc: Not Reported Huc code: 01090002

Huc code: Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported 41.7473278 Contrib drainagearea units: Not Reported Latitude: Longitude: -70.5875304 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Moraine Deposits, Except Ground Moraine and Drumlins

Aquifer type: Not Reported

Construction date: 19750625 Welldepth: 37 Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

Feet below Feet to Feet below Feet to

Date Surface Sealevel Date Surface Sealevel

1977-03-31 7.50

Note: Other conditions existed that would affect the measured water level. 1976-11-30 8.16

Note: Other conditions existed that would affect the measured water level. 1976-10-28 7.84

Note: Other conditions existed that would affect the measured water level. 1976-09-29 8.22

Note: Other conditions existed that would affect the measured water level. 1976-08-24 8.09

Note: Other conditions existed that would affect the measured water level.

1976-07-27 6.85

Note: Other conditions existed that would affect the measured water level.

1976-06-30 8.00

Note: Other conditions existed that would affect the measured water level.

1976-05-25 7.81

Note: Other conditions existed that would affect the measured water level.

Ground-water levels, continued.

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1976-05-04 7.98

Note: Other conditions existed that would affect the measured water level.

1976-03-23 7.50

Note: Other conditions existed that would affect the measured water level.

1976-02-24 7.44

Note: Other conditions existed that would affect the measured water level.

1976-01-20 7.52

Note: Other conditions existed that would affect the measured water level.

1975-12-15 7.93

Note: Other conditions existed that would affect the measured water level.

1975-11-24 7.96

Note: Other conditions existed that would affect the measured water level.

1975-11-04 7.86

Note: Other conditions existed that would affect the measured water level.

A9
NNE
FED USGS USGS40000459689
1/2 - 1 Mile

1/2 - 1 Mil Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351705

Monloc name: MA-BHW 220

Monloc type: Well

Monloc desc: Not Reported Huc code: 01090002

Not Reported Drainagearea value: Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7473278 Latitude: -70.5875304 Sourcemap scale: 24000 Longitude: Horiz Acc measure: 1 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

Construction date: 19750625 Welldepth: 22 Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

1977-03-31 8.22

Note: The water level was affected by stage in nearby surface-water site.

1976-11-30 8.84

Note: The water level was affected by stage in nearby surface-water site.

1976-10-28 8.87

Note: The water level was affected by stage in nearby surface-water site.

1976-09-29 9.52

Note: The water level was affected by stage in nearby surface-water site.

Ground-water levels, continued.

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1976-08-24 8.66

Note: The water level was affected by stage in nearby surface-water site.

1976-07-27 7.90

Note: The water level was affected by stage in nearby surface-water site.

1976-06-30 7.85

Note: The water level was affected by stage in nearby surface-water site.

1976-05-25 7.91

Note: The water level was affected by stage in nearby surface-water site.

1976-05-04 9.81

Note: The water level was affected by stage in nearby surface-water site.

1976-03-23 9.15

Note: The water level was affected by stage in nearby surface-water site.

1976-02-24 8.18

Note: The water level was affected by stage in nearby surface-water site.

1976-01-20 7.55

Note: The water level was affected by stage in nearby surface-water site.

1975-12-15 7.78

Note: The water level was affected by stage in nearby surface-water site.

1975-11-24 8.78

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 7.02

Lower

Note: The water level was affected by stage in nearby surface-water site.

A10
NNE
FED USGS USGS40000459686
1/2 - 1 Mile

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351702

Monloc name: MA-BHW 217

Monloc type: Well

Monloc desc: Not Reported Huc code: 01090002

Not Reported Drainagearea value: Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7473278 Longitude: -70.5875304 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

Construction date: 19750625 Welldepth: 75 Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

Feet below Feet to Feet below Feet to Surface Sealevel Date Date Surface Sealevel

1977-03-31 6.65

Note: The water level was affected by stage in nearby surface-water site.

1976-11-30 7.20

Note: The water level was affected by stage in nearby surface-water site.

1976-10-28 7.27

Note: The water level was affected by stage in nearby surface-water site.

1976-09-29 7.76

Note: The water level was affected by stage in nearby surface-water site.

1976-08-24 7.30

Note: The water level was affected by stage in nearby surface-water site.

1976-07-27 7.07

Note: The water level was affected by stage in nearby surface-water site.

1976-06-30 6.10

Note: The water level was affected by stage in nearby surface-water site.

1976-05-25 6.16

Note: The water level was affected by stage in nearby surface-water site.

1976-05-04 8.47

Note: The water level was affected by stage in nearby surface-water site.

1976-03-23 7.83

Note: The water level was affected by stage in nearby surface-water site.

1976-02-24 6.74

Note: The water level was affected by stage in nearby surface-water site.

1976-01-20 5.69

Note: The water level was affected by stage in nearby surface-water site.

1975-12-15 6.07

Note: The water level was affected by stage in nearby surface-water site.

1975-11-24 7.17

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 5.58

Note: The water level was affected by stage in nearby surface-water site.

A11 NNE 1/2 - 1 Mile

> Org. Identifier: USGS-MA

USGS Massachusetts Water Science Center Formal name:

Monloc Identifier: USGS-414450070351701

Monloc name: MA-BHW 216

Monloc type: Well

Monloc desc: Not Reported

Drainagearea value: Not Reported Huc code: 01090002 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7473278 Latitude: Longitude: -70.5875304 Sourcemap scale: 24000 Horiz Acc measure units: seconds

Horiz Acc measure:

Horiz Collection method: Interpolated from map

NAD83 Vert measure val: 20.40 Horiz coord refsys: feet Vertacc measure val: .5 Vert measure units:

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

US Vert coord refsys: NGVD29 Countrycode:

Sand and gravel aquifers (glaciated regions) Aquifername:

Formation type: Stratified Deposits, Undifferentiated

TC4465395.2s Page A-25

FED USGS

USGS40000459685

Aquifer type: Unconfined single aquifer

Construction date: 19750625 Welldepth: 97
Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 16

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1977-03-31 6.60

Note: The water level was affected by stage in nearby surface-water site.

1976-11-30 7.19

Note: The water level was affected by stage in nearby surface-water site.

1976-10-28 7.32

Note: The water level was affected by stage in nearby surface-water site.

1976-09-29 8.09

Note: The water level was affected by stage in nearby surface-water site.

1976-08-24 7.20

Note: The water level was affected by stage in nearby surface-water site.

1976-07-27 7.30

Note: The water level was affected by stage in nearby surface-water site.

1976-06-30 6.10

Note: The water level was affected by stage in nearby surface-water site.

1976-05-25 6.14

Note: The water level was affected by stage in nearby surface-water site.

1976-05-04 8.36

Note: The water level was affected by stage in nearby surface-water site.

1976-03-23 7.73

Note: The water level was affected by stage in nearby surface-water site.

1976-02-24 6.60

Note: The water level was affected by stage in nearby surface-water site.

1976-01-20 5.91

Note: The water level was affected by stage in nearby surface-water site.

1975-12-15 6.03

Note: The water level was affected by stage in nearby surface-water site.

1975-11-25 7.12

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 5.57

Note: The water level was affected by stage in nearby surface-water site.

1975-09-30 7.70

Lower

Note: The water level was affected by stage in nearby surface-water site.

12 North FED USGS USGS40000459709 1/2 - 1 Mile

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414455070352601

Monloc name: MA-BHB 5
Monloc type: Well
Monloc desc: Not Reported

Huc code:01090002Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:41.7487166Longitude:-70.5900305Sourcemap scale:24000

TC4465395.2s Page A-26

Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 1.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Not Reported Formation type: Not Reported Aquifer type:

Construction date: 1933 Welldepth: 118 Welldepth units: Wellholedepth: 118 ft

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

SSE MA800000001196 **MA WELLS**

1/2 - 1 Mile Higher

> Fid: 1195 Fac name: ATLANTIC SUBARU

Address: 124 WATERHOUSE RD Town: **BOURNE** Southeast Region: Rtn: Not Reported Not Reported Not Reported Hw id: Sw id: Sseis id: Npdes id: Not Reported Air: Not Reported Gwd: Not Reported

Not Reported Hwr: Lqg ma:

Lqg rcra: Not Reported Lqtu: Not Reported Tsdf: Not Reported Swd: Not Reported 404042 Source id: Not Reported Fac id:

Site name: Not Reported

0 Latitude:

0 Longitude:

Type: Not Reported Zii num:

MA800000001196 Pws id: Not Reported Site id:

B14 FED USGS USGS40000459729 ΝE

1/2 - 1 Mile Lower

> Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070344702 MA-BHW 500-0079 (MW-270M1) Monloc name:

Well Monloc type:

CFC AGE-DATE SAMPLING Monloc desc:

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7495723 Longitude: -70.5791746 Sourcemap scale: 25000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 30.52 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

US Vert coord refsys: NGVD29 Countrycode:

Sand and gravel aquifers (glaciated regions) Aquifername:

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 20030527 Welldepth: 79
Welldepth units: ft Wellholedepth: 139

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

B15 NE FED USGS USGS40000459728

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070344701
Monloc name: MA-BHW 500-0137 (MW-270D)

Monloc type: Wel

Monloc desc: CFC AGE-DATE SAMPLING

Huc code: 01090002 Drainagearea value: Not Reported Contrib drainagearea: Drainagearea Units: Not Reported Not Reported Contrib drainagearea units: Not Reported 41.749575 Latitude: Longitude: -70.5791746 25000 Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 30.52 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 20030527 Welldepth: 137 Welldepth units: ft Wellholedepth: 139

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

B16
NE FED USGS USGS40000459730

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070344703 Monloc name: MA-BHW 500-0032 (MW-270S)

Monloc type: Well

Monloc desc: CFC AGE-DATE SAMPLING

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.749575 Longitude: -70.5791746 Sourcemap scale: 25000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 30.52 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 20030527 Welldepth: 32
Welldepth units: ft Wellholedepth: 139

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Database EDR ID Number

MA_ACECS_ID 14

ACEC ID: 14 Area Name: BOURNE BACK RIVER

Responsible Agency: CZM Polygon Acreage: 1,851.7

Designation Date: 4/24/89 Secretary who signed: JOHN P. DEVILLARS

CZM Compliance Date: 6/23/89 Region: COASTAL

MA_ACECS_ID 14

ACEC ID: 14 Area Name: BOURNE BACK RIVER

Responsible Agency: CZM Polygon Acreage: 1,851.7

Designation Date: 4/24/89 Secretary who signed: JOHN P. DEVILLARS

CZM Compliance Date: 6/23/89 Region: COASTAL

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

% of sites>4 pCi/L County Median

BARNSTABLE 15 1.6

Federal EPA Radon Zone for BARNSTABLE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 02532

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 1.900 pCi/L 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.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: MassDEP Telephone: 617-292-5907

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R 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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Peebles Elementary School

70 Trowbridge Rd Buzzards Bay, MA 02532

Inquiry Number: 4465395.3

November 12, 2015

Certified Sanborn® Map Report



Certified Sanborn® Map Report

11/12/15

Site Name: Peebles Elementary School

70 Trowbridge Rd Buzzards Bay, MA 02532

EDR Inquiry # 4465395.3

Client Name: Fuss & O'Neill, Inc. 317 Iron Horse Way Providence, RI 02908

Contact: Adam Finkelman



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Fuss & O'Neill, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Peebles Elementary School

70 Trowbridge Rd Address:

City, State, Zip: Buzzards Bay, MA 02532

Cross Street:

P.O. # 129720150666.A10

Project: Peebles Elementary School

Certification # D2C7-4F5C-AEC7



Sanborn® Library search results Certification # D2C7-4F5C-AEC7

The Sanborn Library includes more than 1.2 million

fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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™

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.

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Peebles Elementary School 70 Trowbridge Rd Buzzards Bay, MA 02532

Inquiry Number: 4465395.4

November 12, 2015

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

11/12/15

Peebles Elementary School

Site Name:

70 Trowbridge Rd Buzzards Bay, MA 02532

EDR Inquiry # 4465395.4

Client Name:

Fuss & O'Neill, Inc. 317 Iron Horse Way Providence, RI 02908

Contact: Adam Finkelman



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Fuss & O'Neill, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Peebles Elementary School Site Name:

Address: 70 Trowbridge Rd

City, State, Zip: Buzzards Bay, MA 02532

P.O.# 129720150666.A10

Project: Peebles Elementary School

Coordinates:

41.7391 41° 44' 21" North Latitude:

-70.59 -70° 35' 24" West Longitude:

UTM Zone: Zone 19 North

367781.50 **UTM X Meters:**

UTM Y Meters: 4622030.98

Elevation: 88.72' above sea level

Maps Provided:

2012 1915

1979 1893

1967 1888, 1889

1951, 1953

1946

1943

1941 1935

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Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Sagamore 2012 7.5-minute, 24000



Pocasset 2012 7.5-minute, 24000

1979 Source Sheets



Sagamore 1979 7.5-minute, 25000 Photo Revised 1979 Aerial Photo Revised 1977



Pocasset 1979 7.5-minute, 25000 Photo Revised 1979 Aerial Photo Revised 1977

1967 Source Sheets



Sagamore 1967 7.5-minute, 24000 Aerial Photo Revised 1966



Pocasset 1967 7.5-minute, 24000 Aerial Photo Revised 1966

1951, 1953 Source Sheets



Sagamore 1951 7.5-minute, 24000 Edited 1951



Pocasset 1953 7.5-minute, 24000 Edited 1953

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1946 Source Sheets



Pocasset 1946 7.5-minute, 25000

1943 Source Sheets



Pocasset 1943 7.5-minute, 31680

1941 Source Sheets



Sagamore 1941 7.5-minute, 31680 Edited 1941



Pocasset 1941 7.5-minute, 31680

1935 Source Sheets



Pocasset 1935 7.5-minute, 20000

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1915 Source Sheets



Falmouth 1915 15-minute, 62500

1893 Source Sheets



Falmouth 1893 15-minute, 62500

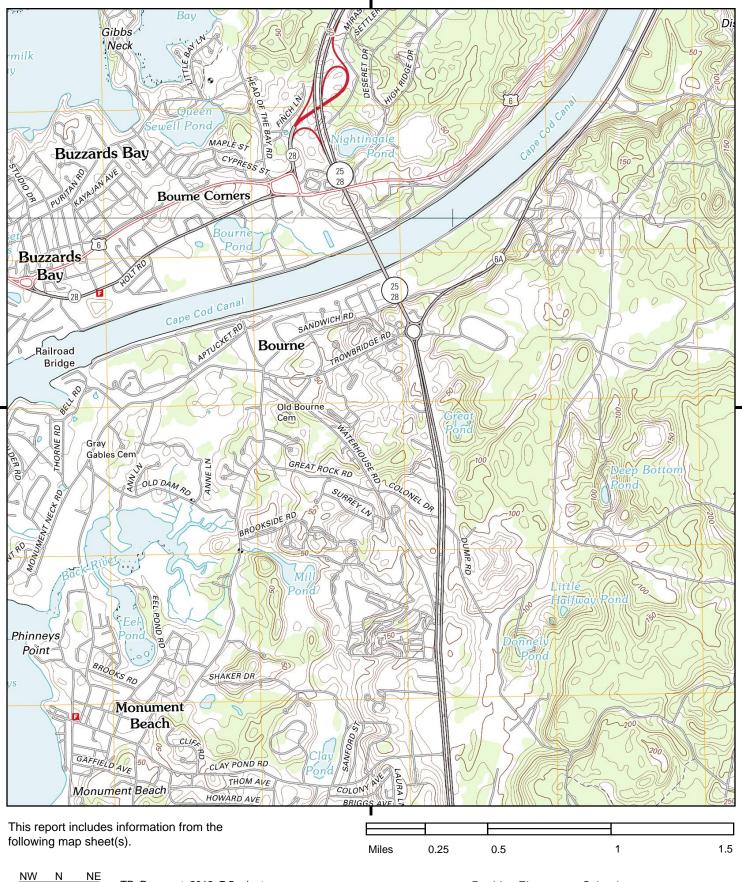
1888, 1889 Source Sheets



Falmouth 1888 15-minute, 62500



Plymouth 1889 15-minute, 62500



W E N, S

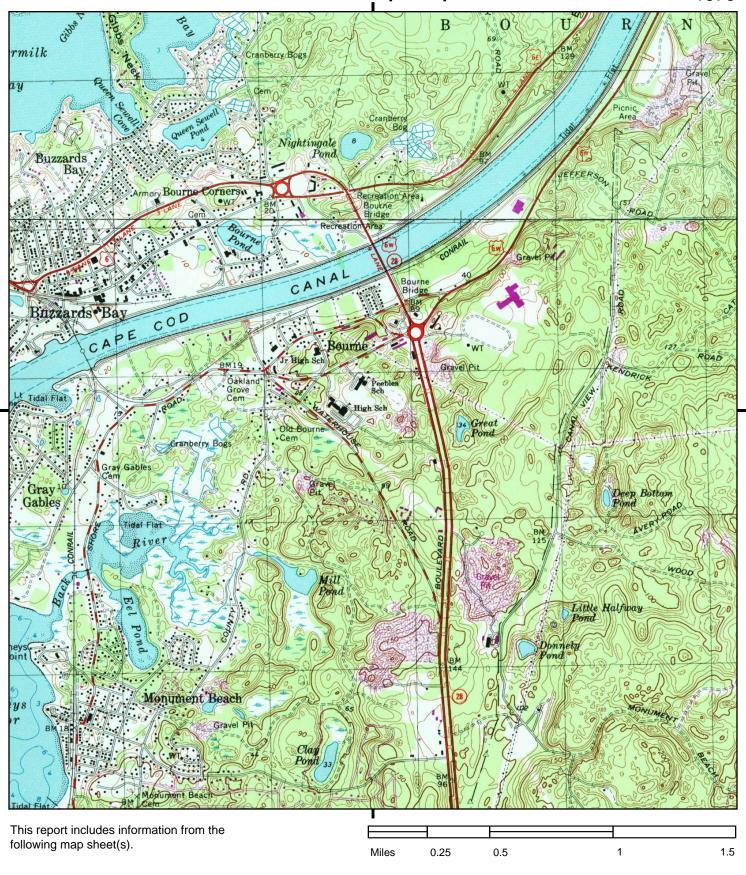
TP, Pocasset, 2012, 7.5-minute

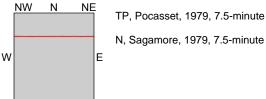
N, Sagamore, 2012, 7.5-minute

SITE NAME: Peebles Elementary School ADDRESS: 70 Trowbridge Rd

Buzzards Bay, MA 02532







SW

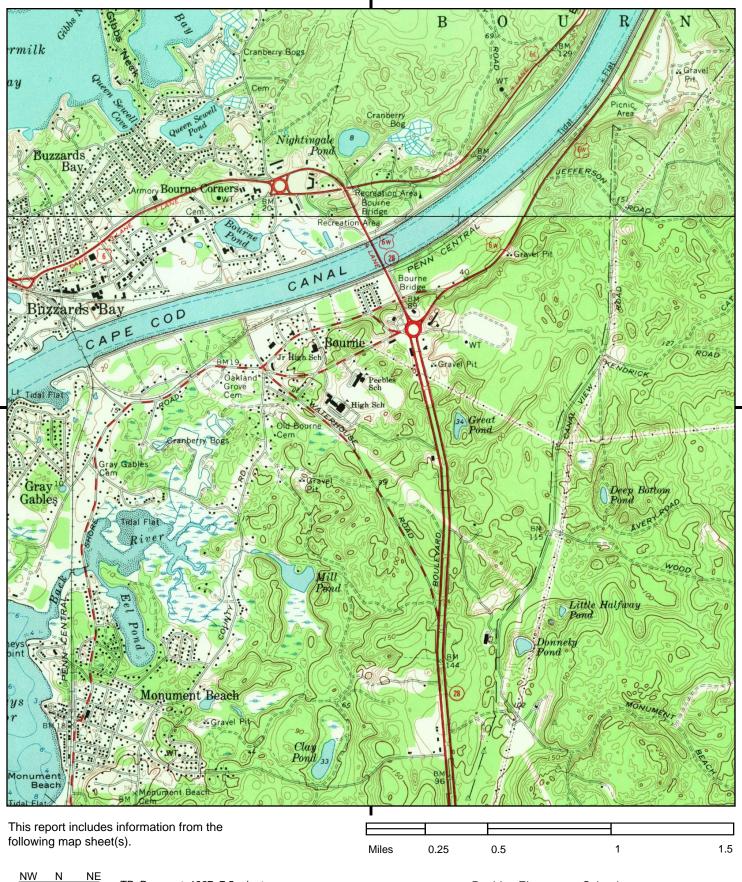
S

SE

SITE NAME: Peebles Elementary School

ADDRESS: 70 Trowbridge Rd

Buzzards Bay, MA 02532



W Ε

SE

S

SW

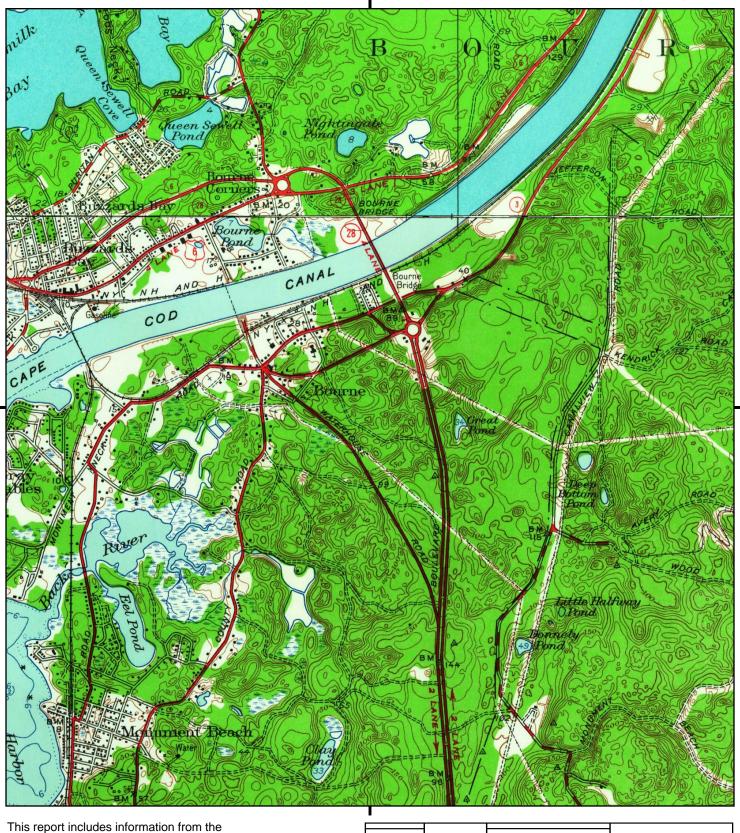
TP, Pocasset, 1967, 7.5-minute

N, Sagamore, 1967, 7.5-minute

70 Trowbridge Rd ADDRESS: Buzzards Bay, MA 02532

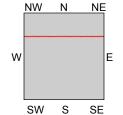
SITE NAME: Peebles Elementary School

Fuss & O'Neill, Inc. CLIENT:



Miles

This report includes information from the following map sheet(s).



TP, Pocasset, 1953, 7.5-minute

N, Sagamore, 1951, 7.5-minute

SITE NAME: Peebles Elementary School

0.5

ADDRESS: 70 Trowbridge Rd

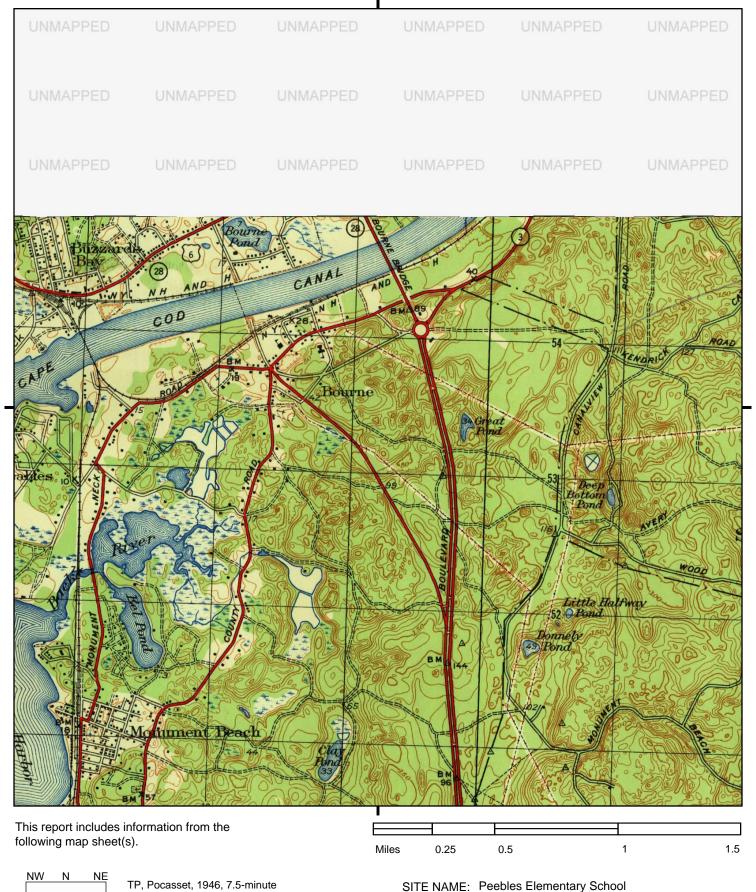
0.25

Buzzards Bay, MA 02532

CLIENT: Fuss & O'Neill, Inc.



1.5



70 Trowbridge Rd

Fuss & O'Neill, Inc.

Buzzards Bay, MA 02532

ADDRESS:

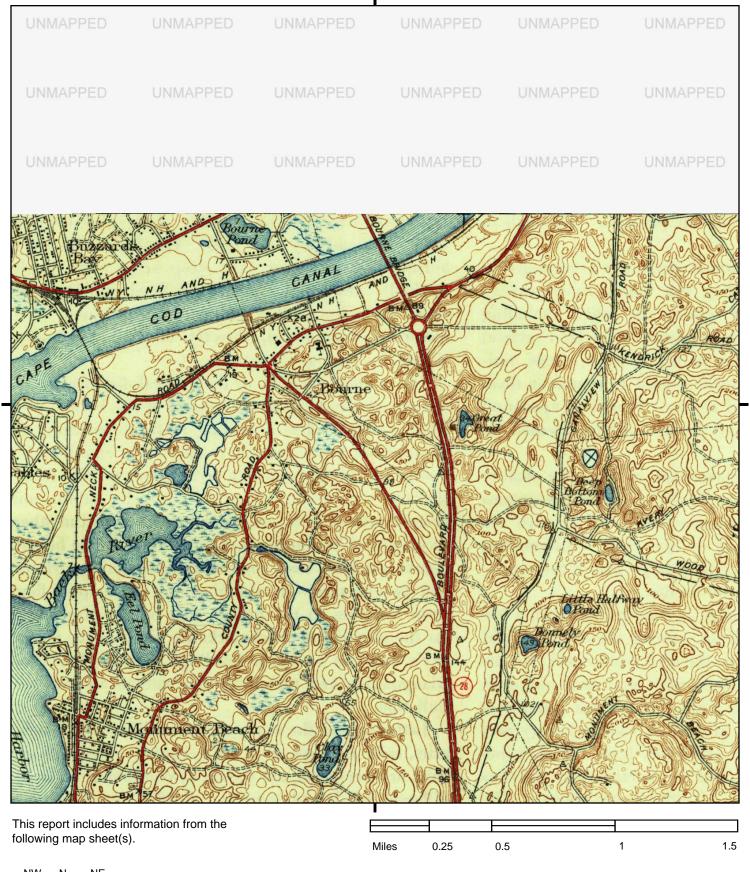
CLIENT:

Ε

SE

W

SW



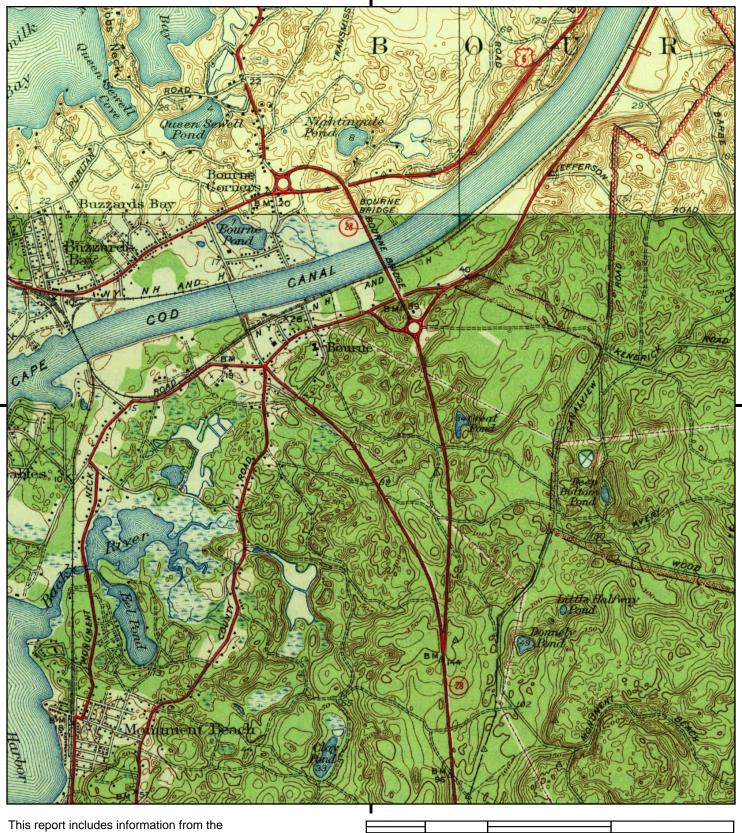
NW N NE
W E

TP, Pocasset, 1943, 7.5-minute

SITE NAME: Peebles Elementary School

ADDRESS: 70 Trowbridge Rd

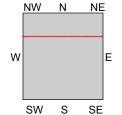
Buzzards Bay, MA 02532



Miles

0.25

following map sheet(s).



TP, Pocasset, 1941, 7.5-minute

N, Sagamore, 1941, 7.5-minute

SITE NAME: Peebles Elementary School

0.5

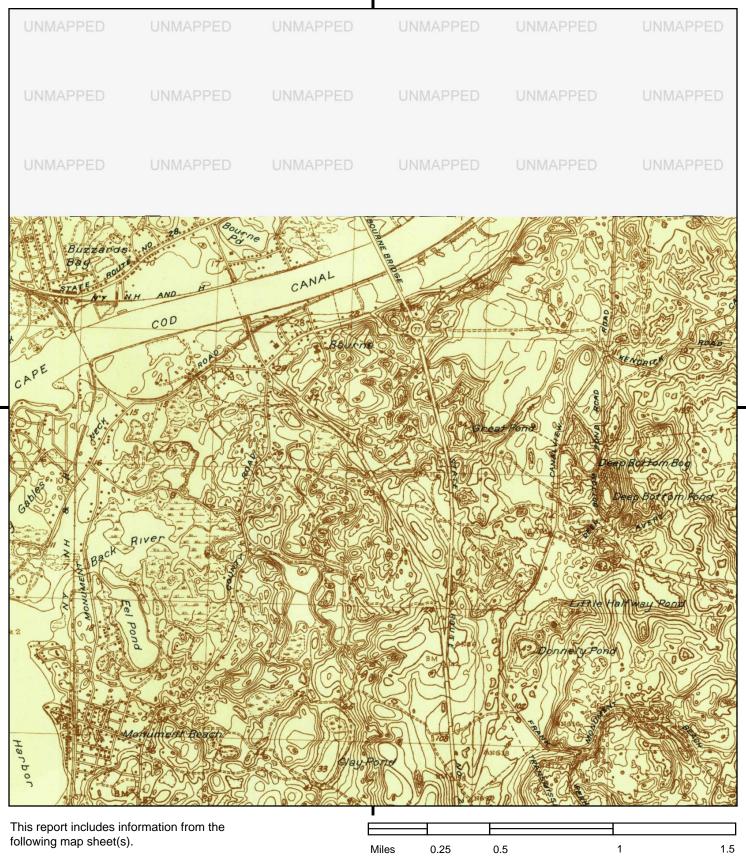
70 Trowbridge Rd ADDRESS:

Buzzards Bay, MA 02532

Fuss & O'Neill, Inc. CLIENT:



1.5



NW N NE TP, Pocas:

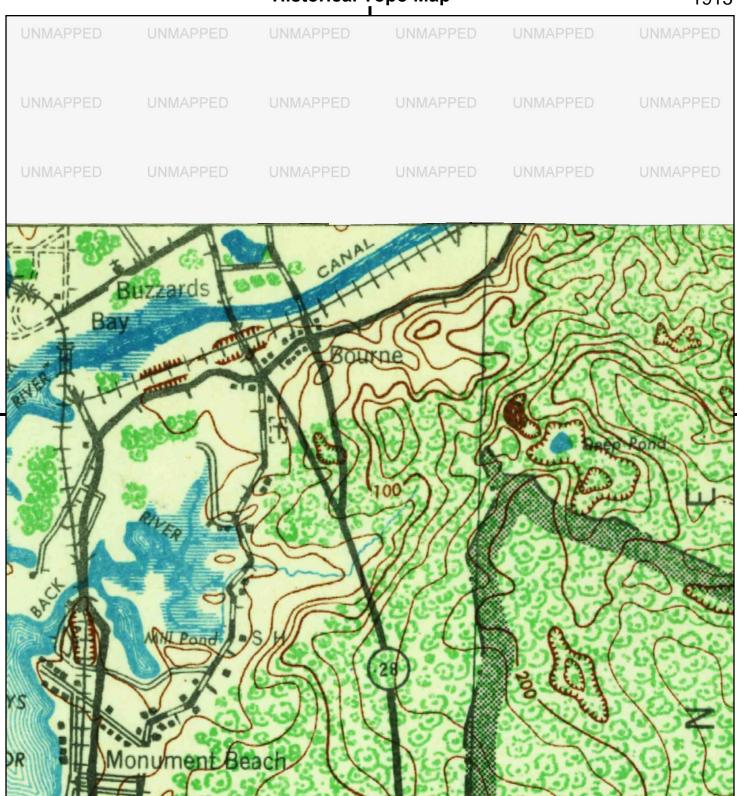
SE

SW

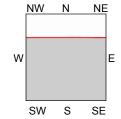
TP, Pocasset, 1935, 7.5-minute SITE NAME: Peebles Elementary School

ADDRESS: 70 Trowbridge Rd
Buzzards Bay, MA 02532

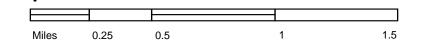




This report includes information from the following map sheet(s).



TP, Falmouth, 1915, 15-minute

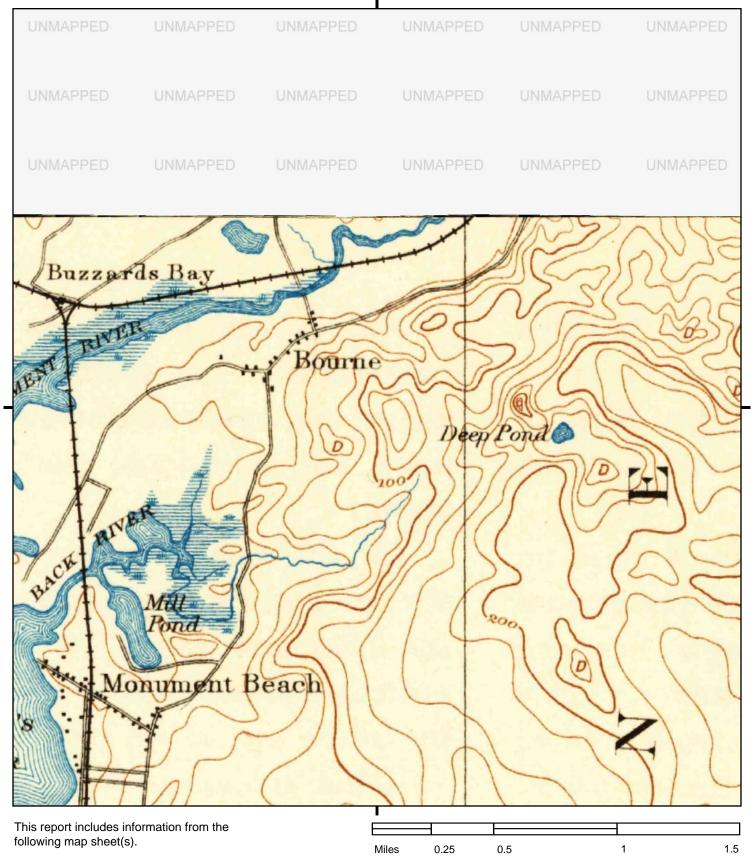


SITE NAME: Peebles Elementary School

ADDRESS: 70 Trowbridge Rd

Buzzards Bay, MA 02532





NW N NE

S

SW

SE

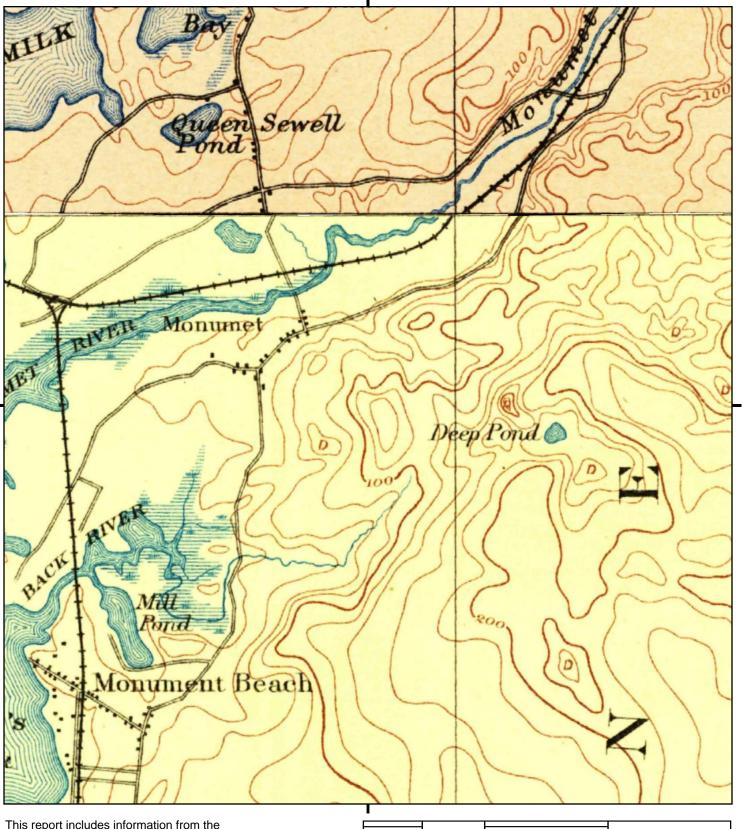
TP, Falmouth, 1893, 15-minute

SITE NAME: Peebles Elementary School

ADDRESS: 70 Trowbridge Rd

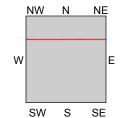
Buzzards Bay, MA 02532





Miles

This report includes information from the following map sheet(s).



TP, Falmouth, 1888, 15-minute

N, Plymouth, 1889, 15-minute

SITE NAME: Peebles Elementary School

0.5

ADDRESS: 70 Trowbridge Rd

0.25

Buzzards Bay, MA 02532

CLIENT: Fuss & O'Neill, Inc.

1.5



Appendix E

Completed Questionnaires



| PHASE I USER QUESTIONNAIRE | | | | |
|--|--|--|--|--|
| PAGE 1 of 2 | | | | |
| SITE NAME: Peebles Elementary School | | | | |
| SITE ADDRESS: 70 Trowbridge Rad Bourne MA 02532 | | | | |
| Completed By: Educard Donoghue Date: 12/10/15 | | | | |
| Signature: | | | | |
| Representing: Bourne Public Schools Phone No: (508) 159-0660 | | | | |
| ASTM Questions to Address User Responsibilities: | | | | |

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2001 (the "Brownfields Amendments") the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

1) Environmental liens that are filed or recorded against the property (40 CFR 312.25). Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law? If yes, please explain:

- 2) Activity and use limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and (vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law? If yes, please explain:
- Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If yes, please explain:
- 4) The relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

No: Not Selling

- 5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?
- If yes, please answer the following questions: What were the past uses of the property? Unimproved land
- What chemicals are present or once were present at the property? Commercial grade Cleaning Production what spills or other chemical releases that have taken place at the property? Work b)
- Explain any environmental cleanups that have taken place at the *property*.
- 6) The degree of obviousness or the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). Based on your



PHASE I USER QUESTIONNAIRE PAGE 2 of 2

| knowledge and experience related to the <i>property</i> are there any <i>obvious</i> indicators that point to the presence or likely presence of contamination at the <i>property?</i> |
|--|
| Other Questions: |
| ASTM Practice 1527-13 also requires that the user answer the following questions: |
| 7) As the user of this ESA, are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? If so, explain: |
| 8) As the user of this ESA, are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? If yes, explain: |
| 9) As the user of this ESA, are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability related to hazardous substances or petroleum products? If yes, explain: |
| 10) We are required to ask you as the user if you have any of the following reports in your possession Please place an "X" next to each report that is available: |
| Environmental site assessment reports |
| Environmental compliance audit reports |
| Environmental permits |
| Registrations for underground or above-ground storage tank notification forms |
| Registrations for underground injection systems |
| Material safety data sheets |
| Community right to know plans |
| Safety plans, preparedness and prevention plans, spill prevention, countermeasure and control plans; facility response plans, etc. |
| Reports regarding hydrogeologic conditions on the property or surrounding area |
| Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws |
| X Hazardous waste generator notices or reports (Asbestos) |
| Geotechnical studies |
| Risk assessments |
| Activity and use restrictions Please provide Fuss & O'Neill with copies of each report or make these reports available for inspection. |



Appendix F

Site Photographs



Peebles Elementary School Phase I ESA Site Visit – December 4, 2015



Boiler room – to the left is the older and oil fed boiler, newer gas fed boiler is to the right



Storage of paint and other maintenance equipment in the boiler room.





Miscellaneous storage of classroom items in storage closet

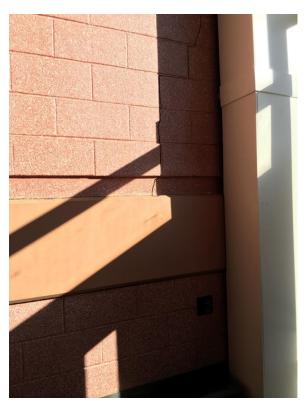


Storage of chemicals and other cleaning items in custodial closet





Cafeteria



Cracks along wall on south east side of building





Propane tanks outside northeast face of building for cafeteria operations



Top of unused UST formerly used for heating oil





Parking lot in the corner of the southeast portion of the property, facing southeast



Historic site of leech field and old storage containers





View of southern face of the building, taken facing west



Wooded area in the southwestern corner of the Site





View of tennis courts and front lawn, facing north



Front of the Peebles Elementary School, taken facing northeast

Phase I Environmental Site Assessment Bournedale Elementary School 41 Ernest Valeri Road Bourne, MA

Flansburgh Architects, Inc.

December 2015



50 Redfield Street Suite 100 Boston, MA 02122



December 14, 2015

Mr. Kent Kovacs Vice President Flansburgh Architects 77 North Washington Street Boston, MA 02114

RE: Phase I Environmental Site Assessment

Bournedale Elementary School 41 Ernest Valeri Road, Bourne, MA

Dear Mr. Kovacs:

We are pleased to submit the enclosed report of the Phase I Environmental Site Assessment (ESA) for the above-referenced site. The site assessment was conducted in conformance with the Standard Practice E 1527-13 for Environmental Site Assessments published by the American Society for Testing and Materials (ASTM, 2013). The results of our assessment are summarized in the attached report. We have identified no recognized environmental condition associated with the subject site. Our findings are summarized in the conclusions of our report (*Section 7*).

Note that ASTM E 1527-13 requires that certain elements of a Phase I ESA be updated if the data for the report is more than six months old. Therefore, if this report is to be relied upon after May 12, 2016, we recommend you contact us to discuss options.

In accordance with the requirements of the ASTM 1527-13 Standard, we declare that to the best of our professional knowledge and belief, we meet the definition of an environmental professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

317 Iron Horse Way Suite 204 Providence, RI 02908 t 401.861.3070 800 286 2469

Thank you for the opportunity to conduct this work. Please contact the undersigned if we can be of further assistance.

Sincerely,

www.fando.com

f 401.861.3076

Connecticut
Massachusetts
Rhode Island
South Carolina

Daniel L. LaFrance, PE Environmental Engineer Timothy J. Clinton, CPG Senior Hydrogeologist

Enclosure Phase I ESA



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1 Introduction

Fuss & O'Neill, Inc. (Fuss & O'Neill) was retained by the Flansburgh Architects, Inc. (Flansburgh Architects) to conduct a Phase I Environmental Site Assessment (Phase I ESA) of a portion of the property located at 41 Ernest Valeri Road in Bourne, Massachusetts (the Site or subject site). We understand that Flansburgh Architects is conducting a feasibility study of possible restructuring of the Bourne Public Schools on behalf of the Town of Bourne (the Town). This Phase I ESA has been performed as part of the feasibility study.

1.1 Objective

The objective of this Phase I ESA was to identify recognized environmental conditions (RECs) present at the Site. As defined by Standard Practice for Environmental Site Assessments E 1527-13 developed by the American Society for Testing and Materials (ASTM, 2013), REC means:

...the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

1.2 Scope of Services

This Phase I ESA was performed using Standard Practice E 1527-13 for Environmental Site Assessments by the American Society for Testing and Materials (ASTM, 2013).

Unless otherwise stated in this report, assessments for asbestos-containing materials, PCB-containing building materials, lead-based paint or plumbing materials, radon gas, and mold were not conducted as part of this Phase I ESA. Furthermore, we did not investigate the potential for the Site to contain wetlands, endangered species, ecological resources or historic/cultural resources. Environmental compliance or permitting issues were not considered during this investigation.

Refer to *Appendix A* for the scope of work and restrictions of this ESA and to *Section 9* of this report for limitations on this work product. The qualifications of the Environmental Professionals and other staff involved in the preparation of this document are included in *Appendix B*.

2 Site Overview

2.1 Site Information

2.1.1 Property Location, Size of Parcel and Site Plan

The subject site consisted of an approximately 12-acre area located on the southwest side of Ernest Valeri Road in a scenic development district zone of Bourne, Massachusetts (Barnstable County). A





portion of a United States Geological Survey (USGS) topographic map showing the subject site location is provided as *Figure 1*.

According to Town records, the subject site is located on a portion of an approximately 120-acre, irregularly-shaped town-owned parcel identified by the Bourne Tax Assessor as Parcel ID 20.0-033.00. With the exception of approximately 10 acres of the property located east of the subject site that was occupied by the Bourne Department of Public Works and the approximately 12-acre cleared area occupied by the Bournedale Elementary School (the subject site), the 120-acre property consisted of undeveloped, forested land. We understand that the majority of the wooded area, and the portion of the lot being used by the Department of Public Works, are not a part of the feasibility analysis.

The subject site was occupied by an approximately 68,120-square foot, two-story school building, and adjacent driveways and landscaping. An approximately 3-acre recreation field abuts the school building to the south. Based on the available records (as described below in *Section 3*,) the school was constructed in 2007.

A site plan is provided as *Figure 2*. A copy of the Bourne Tax Assessor's property description card is included in *Appendix C*. A description of the Site developed during the site inspection is presented in *Section 6*.

2.1.2 Site Utilities

Water and Sewer

According to personnel at the Town Health Department, the Site was served by a septic system with a leach field on the southern end of the Site. The Site was served by public water that was available to the Site from the water tower located southeast of the Site.

Heat

The Site was heated using two gas-fired steam boilers located in the southwestern corner of the ground floor.

Other Utilities

Electric, cable, and telephone services entered the subject site via overhead wires located on Ernest Valeri Road northeast of the site. A pole-mounted transformer was located on an electric pole east of the building. A natural gas fired generator was located off the south end of the school building.

2.1.3 Adjoining Land Use

Based on observations made during the site inspection and available mapping, properties adjoining the Site include the following:





| Address | Description | Direction from Subject Site |
|--|---|-----------------------------------|
| 35 Ernest Valeri Road (portion of Bourne Assessor's Parcel 20.0-033.00) | Town of Bourne Department of Public Works | East |
| Various | Residences | Northwest, west, southeast |
| Nightingale Road | Cranberry bog / farming operation | Southwest |
| Not applicable | Woodlands | West, south |

2.2 Environmental Setting

2.2.1 Physical Setting

Topography and Geology

The topography of the subject site sloped down from northeast to southwest, with an approximate 30 foot elevation change between the school building and the Department of Public Works building to the west. Road. The regional topography generally slopes down to the north toward the Cape Cod Canal (USGS, 1977).

Surficial material at the subject site was mapped as Barnstable sandy loam and Merrimac sandy loam (USDA, 2007). Merrimac sandy loam consists of excessively drained loamy and sandy soils located in broad areas on plains and terraces that commonly follow major stream valleys, and Barnstable sandy loam consist of well drained ablation till over reworked sandy glaciofluvial deposits.

Bedrock beneath the subject site was mapped as undivided granite, schist and gneiss (Zen, 1983). Depth to bedrock was not documented in the records reviewed for this Phase I ESA.

Hydrology and Hydrogeology

Groundwater

In accordance with the Massachusetts Contingency Plan (310 CMR 40.0932), groundwater at the site was classified as GW-1 and GW-3 at the time of the Phase I ESA. All groundwater in the Commonwealth of Massachusetts is considered a potential source of discharge to surface water and shall be categorized, at a minimum, as category GW-3.

Groundwater is defined as GW-1 if the groundwater is located within a Current Drinking Water Source Area or a Potential Drinking Water Source Area. The Site was mapped within the Plymouth-Carver sole-source aquifer, an aquifer designated by the United States Environmental Protection Agency (USEPA) as the principal or primary source of drinking water in the area. In addition, the eastern portion of the subject site was located within and adjacent to a medium-yield potentially productive





aquifer. The Site was not specifically mapped within a designated non-potential drinking water source area, and therefore has been inferred to be within a Potential Drinking Water Source Area.

Groundwater is additionally defined as GW-2 if the groundwater is located within 30 feet of an occupied structure and the average annual depth to groundwater in that area is 15 feet or less. Based on USGS topographic mapping, the ground elevation at the subject site is approximately 120 feet above mean sea level, and the subject site is located in proximity to the tidal Cape Cod Canal. Therefore, the anticipated depth to seasonal high groundwater is greater than 15 feet and GW-2 does not apply.

Based on USGS mapping and field observations of the local topography and surface water hydrology, the inferred groundwater flow direction is to the southeast, toward the Cape Cod Canal. No field sampling, piezometric mapping, or water level gauging was conducted by Fuss & O'Neill to confirm the inferred groundwater flow direction and depth.

Surface Water

The nearest surface water body, the Cape Cod Canal, was located approximately 1,400 feet southeast of the subject site (USGS, 1979). The Cape Cod Canal was inferred to be downgradient of the site, connecting between Buzzard's Bay at the southwest and Massachusetts Bay at the northeast. According to the Massachusetts Surface Water Quality Standards (314 CMR 4.06), the Cape Cod Canal was designated a Class SB surface water designated for shellfishing.

According to 314 CMR 4.05, Class SB surface waters are designated as a habitat for fish, other aquatic life and wildlife, including for their reproduction, migration, growth and other critical functions, and for primary and secondary contact recreation. In certain waters, habitat for fish, other aquatic life and wildlife may include, but is not limited to, seagrass. Where designated for shellfishing, these waters shall be suitable for shellfish harvesting with depuration (Restricted and Conditionally Restricted Shellfish Areas). These waters shall have consistently good aesthetic value.

2.2.2 Wetlands and Flood Zone Mapping

Based on the National Wetlands Inventory Map provided in the Environmental Data Resources (EDR) report included in *Appendix D* and the MassGIS Wetland and Wetland Change Areas Map, no mapped wetlands are located on the Site. Note that Fuss & O'Neill did not independently determine wetland boundaries or the presence of wetlands as part of this assessment.

Based on the Federal Emergency Management Agency (FEMA) Flood Map 25001C0314J effective July 16, 2014, no mapped floodplains are located on the Site.

2.2.3 Location of Public Water Supply Sources

Fuss & O'Neill used data available from the Office of Geographic Information, Commonwealth of Massachusetts, Information Technology Division (MassGIS), to obtain the information regarding public





water supply wells and aquifer protection areas in the vicinity of the subject site. An interim wellhead protection area (IWPA) was located approximately 3,000 feet southwest of the site. A Zone II of a public water supply system (a portion of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated, as approved by the Department's Division of Water Supply pursuant to 310 CMR 22.00) was located approximately 500 feet west of the site. No other public water supply sources were mapped within one mile of the subject site. According to MassGIS mapping, no USGS wells were located within one half-mile of the subject site.

2.3 Previous Environmental Investigations

During the completion of this Phase I ESA, no previous environmental investigations were provided to Fuss & O'Neill or identified in the available records.

3 Site History

The following sources were used to develop the history of the Site and, to the extent required by ASTM Practice E 1527-13, the nearby properties:

- City Directories provided by EDR for the year 2013
- Aerial photographs provided by EDR for the years 1951, 1966, 1970, 1977, 1980, 1985, 1993, 1995, 2006, 2008, 2010, and 2012.
- Historical USGS topographic maps provided by EDR for the years 1888, 1894, 1921, 1933, 1940, 1941, 1943, 1951, 1953, 1967, 1979 and 2012.
- An interview with Mr. Les Wing, who has been a facility maintenance person for the Bourne School Department since 1978.
- Files and personnel at the offices of the Town Administrator, Tax Assessor, Town Clerk, Planning Department, Health Department, and Building and Inspection Office.

Sanborn Fire Insurance mapping reviewed by EDR did not cover the area of the Site. Additionally, the Town of Bourne Fire Department did not respond to requests for information pertaining to the Site, resulting in a "data failure" as defined by ASTM Practice 1527-13. The significance of this data failure is discussed in *Section 7.1* (Data Gaps).

The past uses of the Site and nearby properties based on the sources above are summarized below.

Site

The Site was undeveloped prior to the 2007, when construction began on Bournedale Elementary School. According to Town records, construction of the school was completed in 2009. Based on a review of 2006 and 2008 aerial photographs, Ernest Valeri Road was constructed in this time period, allowing access to the Site and connecting the Site to the residential neighborhood to the north.





Nearby Properties

The area which became the Cape Cod Canal south of the site was historically a tidal riverbed called the Monument River. A series of railroad lines historically crossed the Monument River west of the site and extended towards the east. The Cape Cod Canal was constructed in the early 1900s and widened to its current alignment in the 1930s, with the construction of the Bourne Bridge, Sagamore Bridge, and raised rail bridge during the mid-1930s.

The areas surrounding the subject site were largely undeveloped until the development of the Bourne rotary (located west of the Bourne Bridge, approximately one quarter-mile southwest of the subject site) which was constructed in approximately between 1933 and 1940. At this time, infill development began to occur in the areas surrounding Buzzard's Bay Village. Based on a review of aerial photography, a water tower was constructed US Route 6, southeast of the subject site, between 1951 and 1966. Aerial photos from 1966 and topographic maps from 1967 show the development of a cranberry bog immediately southwest of the Site. Residential development along High Ridge Drive (west and northwest of the subject site) occurred primarily between 1995 and 2006.

4 Federal, State, and Local File Review

Files of Federal, State and local agencies were reviewed for environmentally-related issues pertinent to the subject site and nearby parcels, such as permits, inspection reports, enforcement history or documented releases of hazardous materials. The sources of information listed in the following table were researched to identify properties of concern within distances of the Site specified by ASTM Practice E 1527-13.

| Information Source* | Search Distance |
|---|------------------------|
| Federal Files | |
| National Priorities List (NPL) | 1 mile |
| Delisted NPL Sites | 0.5 mile |
| Resource Conservation and Recovery Act (RCRA) CORRACTS list (RCRA Site Subject to Corrective Action) | 1 mile |
| Resource Conservation and Recovery Act (RCRA) Treatment, Storage or Disposal Facility (TSDF) List | 0.5 mile |
| Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) List, including No Further Remedial Action Planned (NFRAP) sites | 0.5 mile |
| RCRA Generators List | property and adjoining |
| RCRA No Longer Regulated (NLR) List | property and adjoining |
| Federal Institutional / Engineered Control List | property only |
| Emergency Response and Notification (ERNS) List | property only |
| State Files | |
| Hazardous Waste Site List (State sites equivalent to NPL) | 1 mile |



| Information Source* | Search Distance |
|---|------------------------|
| Hazardous Waste Site List (State sites equivalent to CERCLIS) | 0.5 mile |
| Landfill and Solid Waste Site | 0.5 mile |
| Leaking Underground Storage Tank (LUST) List | 0.5 mile |
| State Voluntary Clean-up or Brownfield Sites | 0.5 mile |
| Oil & Chemical Spills Database | property and adjoining |
| Registered Underground Storage Tank (UST) List | property and adjoining |
| State Institutional / Engineered Control List | property only |

^{*}Fuss & O'Neill used Environmental Data Resources (EDR), an environmental database search service, to obtain the information referenced in the above table. EDR provides access to publicly available environmental databases maintained by various Federal, State, and local agencies. A copy of the information provided by EDR relative to the subject site and nearby properties is included in *Appendix D*. The listed information sources are defined and described in detail in the EDR report.

4.1 Summary of Regulatory Database Information

Site

The subject site was not identified in the regulatory databases reviewed for this Phase I ESA.

Nearby Properties

As reported in the EDR Report in *Appendix E*, seven properties were identified in the environmental databases within the minimum search radii required by ASTM Practice 1527-13. Three of the seven properties were located on the southerly side of the Cape Cod Canal (which is inferred to serve as a hydrogeological break), while the four remaining properties were located near water bodies to the west and south of the subject site, which would limit the potential for contaminants at those sites to migrate toward the subject site.

Based on their distance from the Site, and the local hydrogeological conditions, these off-site properties were not anticipated to have a negative effect on the Site. Furthermore, contamination which has migrated to the Site from an up-gradient source may not be the responsibility of the Site owner, solely due to ownership.

4.2 State File Review

Fuss & O'Neill accessed the MassDEP online file viewer to identify files applicable to the Site and adjoining properties. No files for the Site or adjoining properties were identified via the MassDEP online file viewer.





4.3 Local File Review

Files and personnel at the offices of the Town Administrator, Tax Assessor, Town Clerk, Planning Department, Health Department, Building and Inspection Office, and Fire Department were queried regarding environmental concerns at the subject site and surrounding sites. There was only one pertinent file for the Site. The Town of Bourne Inspection Department issued a building permit, dated October 29, 2007, for the construction of the new school.

On November 17, 2015, Fuss & O'Neill requested files and information from the Bourne Fire Department. The request was reiterated during the week of December 1, 2015. To date, Fuss & O'Neill has not received a response and thus has not been able to review the files and information maintained by the Bourne Fire Department. This condition constitutes a "Data Gap" as described below in *Section 7.*1.

As described below in *Section 6.1*, Mr. Les Wing and Mr. Mike Pima from the Bourne School Department provided access to the building and guided the site inspection on December 4, 2015.

5 User-Provided Information

ASTM Practice E 1527-13 describes certain tasks to be performed by the user of this assessment that will help to identify RECs at the Site if they exist. ASTM Practice 1527-13 defines the user as "the party seeking to use Practice E 1527 to complete an environmental site assessment of the property." Users can include a potential purchaser or tenant of the Site, a lender, a property manager, or a Site owner.

As part of our agreement to conduct this work, we provided Mr. Ed Donahue of the Town of Bourne Public Schools with a User Questionnaire. A copy of the completed questionnaire is included in *Appendix F* and was used to address the items in the subsections below.

5.1 Record of Environmental Liens of Activity and Use Limitations

Chain of title and title restriction records filed under federal, tribal, state or local law contain records of environmental liens or activity and use limitations (AULs). Mr. Donahue reported that he had no actual knowledge of an environmental lien or AUL recorded against the property.

In addition, Fuss & O'Neill reviewed MassDEP files to identify recorded AULs. No evidence of an AUL was identified for the subject site, based on available information.

5.2 Specialized Knowledge or Experience of the User

Mr. Donahue reported that he had no specialized knowledge with respect to the Site or activities conducted at the Site.





5.3 Commonly Known or Reasonably Ascertainable Knowledge

Mr. Donahue reported that he was aware the Site was unimproved land prior to the construction of the school. He was aware of commercial grade cleaning products at the Site

5.4 Property Valuation, Reduction for Environmental Issues

Mr. Donahue reported that the property was not subject to a pending transaction and did not comment on a property valuation.

6 Site Reconnaissance and Interviews

6.1 Interviews

Owner/Key Site Manager

This assessment included an interview with Mr. Richard Dobbins and Mr. Les Wing of the Bourne School Department, by Ms. Jordyn Mallett of Fuss & O'Neill on December 4, 2015 at an off-site location. Both men are facility maintenance workers for the Bourne Public Schools. Mr. Wing has been in this position since 1978. Information provided by them is presented below and in previous sections of this report.

- Mr. Dobbins and Mr. Wing stated that they were unaware of any spills or releases of hazardous materials or petroleum products at the Site.
- Mr. Wing was aware of Material Safety Data Sheets (MSDS) on site for the use of general cleaning materials

6.2 Site Reconnaissance

The site reconnaissance was conducted on December 4, 2015 by Jordyn Mallett, of Fuss & O'Neill, accompanied by Mr. Richard Dobbins, a facility maintenance worker for the Town. The site reconnaissance included a physical observation of the building and grounds, including the building interior and the grounds surrounding the building.

The subject site included a wooded strip west of the perimeter driveway around the school. This area was observed from the paved parking area immediately adjacent to the area.

Photographs taken during the site inspection are presented in *Appendix F*.





Site Description

The Site consisted of an approximately 12-acre area on the southwestern side of Ernest Valeri Road, improved with the school building, an asphalt-paved parking area, an open grassy lot used informally as a recreation area, and landscaping. Access to the Site was provided via Ernest Valeri Road. A portion of the Site to the west of the school building was unimproved and forested.

Refer to Figure 2 for a site plan.

Building

The building consisted of a slab-on-grade structure with a partial second floor. The ground floor was occupied by a series of classrooms on the northern side, the gymnasium and cafeteria on the southern side, and administrative offices on the eastern side. The second floor consisted of classrooms, two bathrooms, and a storage area, and located atop the northern portion of the building. The northern classroom wings of the school were constructed around a central courtyard, which was improved with landscaping and hardscaping. Site plans and a map of the building are included in *Appendix C*.

The boiler room was located on the southern portion of the ground floor and housed two natural gas fed boilers. Both boilers were located on a raised concrete pad on top of a concrete floor, which was in good condition with no cracks or visible evidence of staining or spills.

Directly east of the boiler room was the cafeteria and associated kitchen. Two janitorial closets, one on each floor, were located in the central portion of the building. These closets contained general cleaning equipment and supplies.

With the exception of the janitor's closet, no chemical storage was identified in the portions of the building observed during the inspection.

Grounds

The grounds of the subject site included paved parking lots east and northeast of the school building, a grassy lot south of the school building, and a paved road with parking spaces along the perimeter of the building. There was a small wooded area directly west of the westernmost paved area.

At the time of this Phase I ESA, the grassy lot on the southern side of the site was used as a recreational area for the school children. According to Mr. Dobbins, there were three large sewer tanks and associated leach field located on the western portion of this area. Additionally, a sewer cleanout was observed in this area. Two pump station covers flush with the ground were located on the pavement immediately north of this area.

A small storm water detention pond was located southeast of the school building, east of the grassy field. The pond was fenced off and collected storm water from the western portion of the Site via a series of storm water catch basins. According to Mr. Dobbins, there was rarely standing water in the pond. An additional stormwater swale extended northeasterly from the parking lot toward Ernest Valeri





Road and was connected to the stormwater controls on the Bourne Public Works facility east of the subject site.

A natural gas fired generator was located near the south side entrance to the school. The generator was located on a concrete pad in good condition with no cracks.

Adjoining Properties

Properties adjacent to the subject site included the Bourne Department of Public Works facilities, abutting the site to the east along Ernest Valeri Road, a water tower along Route 6 to the southeast, and a residential neighborhood almost a quarter mile to the west. The intervening land consisted of undeveloped forested land. No RECs associated with the adjacent properties were identified at the site.

7 Data Gaps, Findings and Conclusions

7.1 Data Gaps

Standard Practice E 1527-13 requires the identification and evaluation of data gaps, which are defined as a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information. Data gaps identified during the completion of this investigation included the following:

As mentioned previously, records from the Town Fire Department were unable to be reviewed.
 Fire Department records, which typically include storage permits and incident reports, may
 include documentation which is not otherwise available in the performance of the Phase I ESA.
 Therefore, the lack of information was considered to have a significant impact on our ability to
 identify RECs at the subject site and is considered to be a significant data gap.

7.2 Findings and Conclusions

Fuss & O'Neill, Inc. prepared this Phase I ESA report in general conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deletions from, this practice are described in *Appendix A* of this report.

7.2.1 Identified RECs

This assessment has revealed no RECs in connection with the Site.





Historical RECs

ASTM 1527-13 defines historical RECs (HRECs) as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls). No HRECs associated with the Site were identified.

Controlled RECs

ASTM 1527-13 defines controlled CRECs (CRECs) as an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a "No Further Action" letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls). No CRECs associated with the Site were identified.

7.2.2 Potential Off-Site Concerns

No off-site concerns which would be considered RECs for the Site were identified.

7.2.3 Appropriateness of Investigations

Fuss & O'Neill has followed the guidelines described in ASTM E1527-13 to identify the RECs at this Site in a manner consistent with standard practice in the industry. However, as indicated in the ASTM standard, "No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, and the practice recognizes reasonable limits of time and cost."

In accordance with Section 12.6.1 of ASTM Standard Practice E 1527-13, the appropriateness of additional investigations necessary to determine the presence or absence of identified RECs was evaluated. Based on the opinion of the Environmental Professional, an additional investigation in the form of a file review with the Bourne Fire Department would be necessary to eliminate the associated data gap and confirm that the Site conditions described herein are not RECs in accordance with ASTM standards.





8 References

American Society for Testing and Materials, 2013, Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process: ASTM Practice E 1527-13.

Massachusetts Department of Environmental Protection, 2014, 310 CMR 40.0000: Massachusetts Contingency Plan.

Massachusetts Department of Environmental Protection, 2007, 314 CMR 4.00: Surface Water Quality Standards.

Office of Geographic Information, Commonwealth of Massachusetts, Information Technology Division (MassGIS), 2013; via http://maps.massgis.state.ma.us/map ol/oliver.php, accessed October, 2015.

USGS, 2012. Pocasset Quadrangle, Massachusetts, 7.5-Minute Series Topographic Map; United States Department of the Interior, U.S. Geological Survey, 1979.

Zen, Ean, 1983. Bedrock Geologic Map of Massachusetts; United State Department of the Interior, U.S. Geological Survey, in cooperation with the Commonwealth of Massachusetts Department of Public Works and Joseph A. Sinnot, State Geologist.





9 Limitations of Work Product

This document was prepared for the sole use of Flansburgh Architects, Inc., the only intended beneficiaries of our work. Those who may use or rely upon the report and the services (hereafter "work product") performed by Fuss & O'Neill, Inc. and/or its subsidiaries or independent professional associates, subconsultants and subcontractors (collectively the "Consultant") expressly accept the work product upon the following specific conditions.

- 1. Consultant represents that it prepared the work product in accordance with the professional and industry standards prevailing at the time such services were rendered.
- 2. The work product may contain information that is time sensitive. The work product was prepared by Consultant subject to the particular scope limitations, budgetary and time constraints and business objectives of the Client which are detailed therein or in the contract between Consultant and Client. Changes in use, tenants, work practices, storage, Federal, state or local laws, rules or regulations may affect the work product.
- 3. The observations described and upon which the work product was based were made under the conditions stated therein. Any conclusions presented in the work product were based solely upon the services described therein, and not on scientific or engineering tasks or procedures beyond the scope of described services.
- 4. In preparing its work product, Consultant may have relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available at the time of the project. To the extent that such files which may affect the conclusions of the work product are missing, incomplete, inaccurate or not provided, Consultant is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, Consultant did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this project. Consultant assumes no responsibility or liability to discover or determine any defects in such information which could result in failure to identify contamination or other defect in, at or near the site. Unless specifically stated in the work product, Consultant assumes no responsibility or liability for the accuracy of drawings and reports obtained, received or reviewed.
- 5. If the purpose of this project was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes as defined in the work product, unless otherwise noted, no specific attempt was made to check the compliance of present or past owners or operators of the subject site with Federal, state, or local laws and regulations, environmental or otherwise.
- 6. If water level readings have been made, these observations were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in water levels may occur due to variations in rainfall, passage of time and other factors and such fluctuations may effect the conclusions and recommendations presented herein.





- 7. Except as noted in the work product, no quantitative laboratory testing was performed as part of the project. Where such analyses have been conducted by an outside laboratory, Consultant has relied upon the data provided and, unless otherwise described in the work product, has not conducted an independent evaluation of the reliability of these tests.
- 8. If the conclusions and recommendations contained in the work product are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) have been reviewed and interpretations made by Consultant. If indicated in the work product, some of these data may be preliminary or screening-level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time and other factors.
- 9. Chemical analyses may have been performed for specific parameters during the course of this project, as described in the work product. However, it should be noted that additional chemical constituents not included in the analyses conducted for the project may be present in soil, groundwater, surface water, sediments or building materials at the subject site.
- 10. Ownership and property interests of all documents, including reports, electronic media, drawings and specifications, prepared or furnished by Consultant pursuant to this project are subject to the terms and conditions specified in the contract between the Consultant and Client, whether or not the project is completed.
- 11. Unless otherwise specifically noted in the work product or a requirement of the contract between the Consultant and Client, any reuse, modification or disbursement of documents to third parties will be at the sole risk of the third party and without liability or legal exposure to Consultant.
- 12. In the event that any questions arise with respect to the scope or meaning of Consultant's work product, immediately contact Consultant for clarification, explanation or to update the work product. In addition, Consultant has the right to verify, at the party's expense, the accuracy of the information contained in the work product, as deemed necessary by Consultant, based upon the passage of time or other material change in conditions since conducting the work.
- 13. Any use of or reliance on the work product shall constitute acceptance of the terms hereof.



Figures

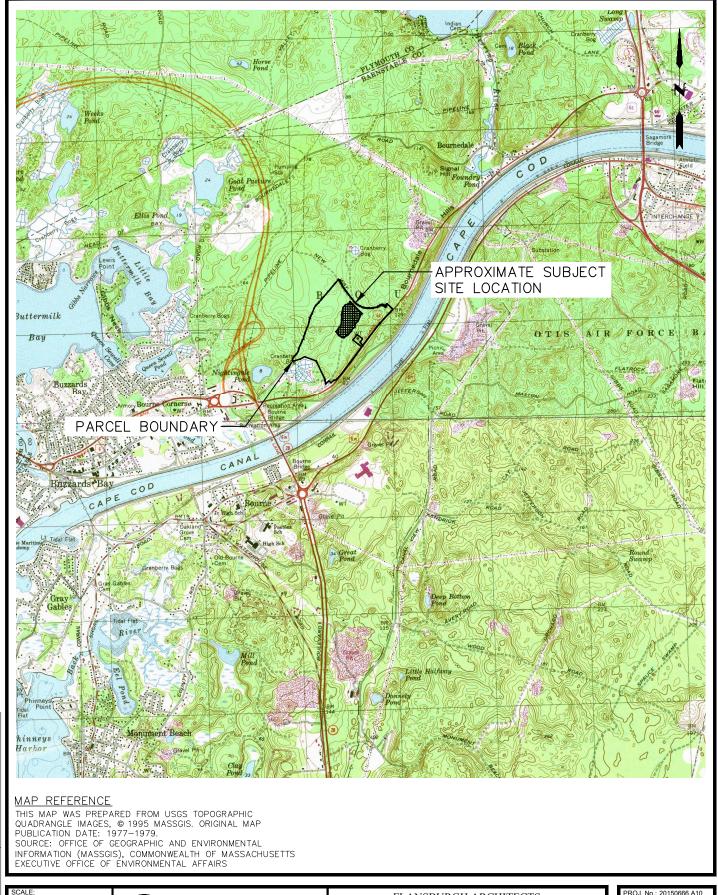




HOR7

VERT.

GRAPHIC SCALE





317 IRON HORSE WAY, SUITE 204 PROVIDENCE, RI 02908

401.861.3070 www.fando.com FLANSBURGH ARCHITECTS

SITE LOCATION MAP

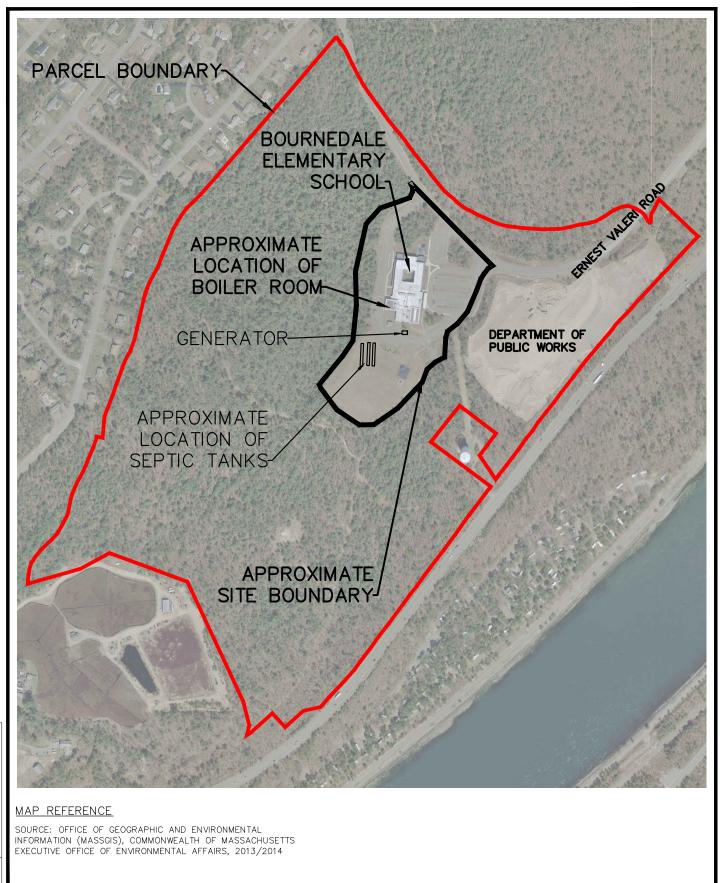
BOURNEDALE ELEMENTARY SCHOOL

BOURNE MASSACHUSETTS DATE: DECEMBER 2015

FIGURE 1









FLANSBURGH ARCHITECTS

SITE PLAN

BOURNEDALE ELEMENTARY SCHOOL

BOURNE MASSACHUSETTS PROJ. No.: 20150666.A10 DATE: DECEMBER 2015

FIGURE 2



Appendix A

Scope of Work and Restrictions



ALL APPROPRIATE INQUIRY PHASE I ESA SCOPE OF WORK

Fuss & O'Neill uses Standard Practice E 1527-13 as general standard for conducting Phase I ESAs. For consistency, this scope of work is generally presented based on the outline of our standard Phase I ESA report. The descriptions of the procedures and sources for obtaining the information for each section follow the section headings. As specified by Standard Practice E 1527-13, the scope of work described below allows for use of professional judgment to determine the extent to which specific sources are reviewed.

Unless otherwise specified, the following items are not considered in the course of completing an ASTM E 1527-13 Phase I ESA:

- Asbestos, Lead (paint/plumbing), Radon, Mold, Fluorescent Light Ballasts
- Wetlands, Ecological Resources, Historical/Cultural Resources
- Regulatory and Health & Safety Compliance
- Endangered species

These items typically present little environmental risk to the grounds of a site; however, these items may be liabilities during property transfer, regulatory audits, construction, renovation, or demolition projects.

1.0 Introduction

The objective of the ESA and the party that this ESA was conducted for are identified in this section.

2.0 Site Overview

2.1 Site Information

2.1.1 Property Location, Size of Parcel, and Site Plan

Review of USGS topographic maps, local assessor and zoning maps and property description cards, field observations and sketches, and, if available, plans provided by a contact for the subject site. A site plan is included that is derived from these sources.

2.1.2 Potable Water Supply and Sewage Disposal

Query the local Department of Public Works, local Engineering Department, appropriate local utilities, and/or other local municipal sources and/or a knowledgeable site contact.

2.1.3 Adjoining Land Use

Site reconnaissance and assessor's mapping.

2.2 Physical Setting of Site

2.2.1 Geologic and Physiographic Setting

Site reconnaissance, USGS topographic maps, and available geological maps.

2.2.2 Groundwater

Site reconnaissance, USGS topographic maps, and 310 CMR 40.0000 (the Massachusetts Contingency Plan).

2.2.3 Surface Water

Site reconnaissance, USGS topographic maps, and 314 CMR 4.00 (MassDEP Surface Water Quality Standards).

2.2.4 Location of Public Water Supply Sources

Site reconnaissance and mapping available in local departments gueried as part of the ESA.

2.3 Previous Environmental Investigations



Provided by the appropriate site contact or identified by other means during the course of conducting the ESA.

3.0 Site History

Site reconnaissance, knowledgeable site contacts, aerial photographs available from MassGIS, Sanborn fire insurance maps and street directories provided by an environmental database search service (note that street directories are reviewed at approximately five year intervals, but may be reviewed at smaller intervals for multi-tenant properties), and local municipal sources (local municipal Building Department, Engineering Department, Planning and Zoning Department, Health Department, and Fire Marshal).

4.0 Federal, State, and Local File Review

4.1 Summary of Regulatory Database Information

Regulatory databases specified by Standard Practice E 1527-13 are reviewed using an environmental database search service.

The report provided by the environmental database search service is reviewed in detail. Sites that are inferred to present a significant risk to adversely impact the subject site are identified and explained within the ESA report. However, sites inferred to pose little risk to adversely impact the subject site are disclaimed within the attached environmental database search report.

4.2 MassDEP File Review

Limited MassDEP file information is provided for the subject site and nearby properties in an environmental database search report. Reviews of files located at MassDEP Regional offices are not conducted unless specifically requested.

If a file review is to be conducted, files for the subject site and/or nearby properties are requested from the appropriate MassDEP Regional office. If available, these files are reviewed for pertinent information, which is either copied or noted.

4.3 Local File Review

Files for the local municipal Tax Assessor, Building Department, Planning and Zoning Department, Health Department, and Fire Marshal are reviewed.

5.0 User Provided Information

Information provided by the user as required by the practice is discussed in this section

6.0 Site Reconnaissance, Interviews and Non-Scope Considerations

Field observations the results of required interviews are discussed in this section. In addition, surveys conducted to identify non-scope considerations are addressed.

7.0 Data Gaps, Findings and Conclusions

Data gaps relevant to the identification of recognized environmental conditions are discussed. In addition, recognized environmental conditions are summarized in this section as well as recommendations for further investigation, if appropriate.

8.0 References

References used as part of the ESA are presented here.

RESTRICTIONS: EXCEPTIONS TO OR DELETIONS FROM THE SCOPE OF WORK

The Bourne Fire Department did not provide their environmental files for review for this report.



Appendix B

Qualifications of Environmental Professionals



Qualifications of Environmental Professionals and Staff Scientists and Engineers

Environmental Professionals

| Employee | Title | Education | Years Experience | Licenses |
|-----------------------|------------------------|--|------------------|------------------------|
| John A. Chambers | Senior Vice President | BS Geology MS Civil Engineering | 26 | CPG, PG, LSP |
| Patrick J. Dowling | Senior Project Manager | BS Geology | 17 | CPG |
| Timothy F. Keane | Associate | BS Civil Engineering | 24 | PE, LSP |
| Brian E. Kortz | Project Manager | BS Geology MS Geology | 13 | CPG, CNU-A |
| Timothy J. Clinton | Senior Hydrogeologist | BS Geology MS Environmental Geochemistry | 10 | CPG |
| Dustin A. Diedricksen | Project Manager | BS Environmental Management MA Environmental Management | 12 | Asbestos Consultant |
| Daniel C. LaFrance | Environmental Engineer | BS Civil Engineering MS Environmental Engineering | 7 | PE |

Staff Scientists and Engineers

| Employee | Title | Education | Years Experience | Licenses |
|-------------------------|--------------------------|---|------------------|------------------------|
| Jonathan Hand | Environmental Technician | BS Physics | 7 | Asbestos Consultant |
| Patricia H. Gagnon | Hydrogeologist | BS Geosciences MS Environmental Science | 5 | |
| Adam Finkelman | Environmental Scientist | BS Environmental Studies MS Environmental Science | 1 | |
| Christopher M. McIntyre | Environmental Technician | BA Environmental Science MS Environmental Science | 2 | |
| Jordyn E. Mallett | Environmental Engineer | BS Environmental Engineering | 1 | EIT |

BS: Bachelor of Science CPG: Certified Professional Geologist PG: Professional Geologist (New Hampshire)
LSP: Licensed Site Professional (Massachusetts)

PE: Professional Engineer (RI, MA and/or NH)

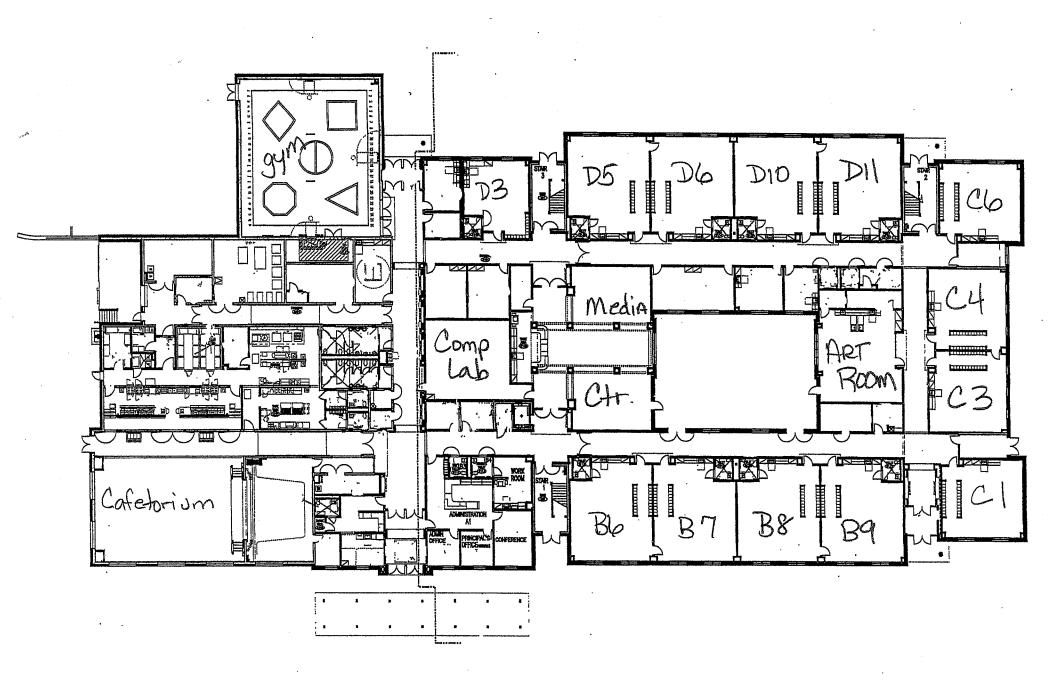
CNU-A: Accredited Member – Congress for the New Urbanism

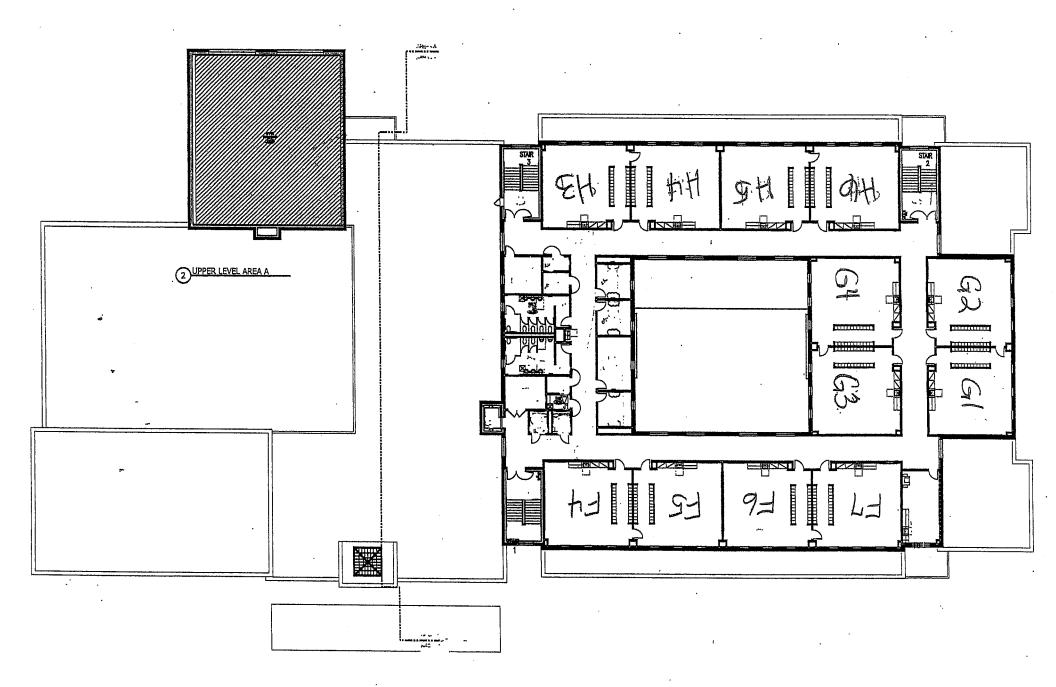
MS: Master of Science



Appendix C

Town of Bourne File Information





Town of Bourne - Fiscal Year 2015 Kev: 3950 11/6/2015 SEQ# 9:46 am PARCEL ID LOCATION CLASS CLASS% DESCRIPTION BN ID BN CARD **CURRENT OWNER** IMP,EDUCATION 20.0-33-0 **0 SCENIC HIGHWAY** 9340 100 1 of 1 **TOWN OF BOURNE** BY SALE PRICE BK-PG (Cert) PMT NO PMT DT TY DESC **AMOUNT** INSP 1st 24 PERRY AVENUE TRANSFER HISTORY DOS T **BUZZARDS BAY, MA 02532** TOWN OF BOURNE 01/02/1997 H 10741-347 14453 06/12/2014 1 NEW CONSTRUC 7,979,000 0 05/31/1991 F 7647-1 1 NEW CONSTRUC14,732,050 WILLIAMS GEORGE E JR & 07690 11/19/2007 n ADJ VALUE Lpi VC CREDIT AMT AC/SF/UN Nohd Inff1 N Index ADJ BASE SAF Topo CD T 146,400 C-3 1.00 100 1.00 100 1.00 1,229,410 103 S 365,800 1.00 A 1.00 55 1.00 3,202,500 203 A 25.000 C-3 1.00 100 1.00 100 1.00 128,100 1.00 A 1.00 55 1.00 1,667,840 303 A 91.139 C-3 1.00 100 1.00 100 1.00 18.300 1.00 A 1.00 55 1.00 TOTAL ZONING 4 FRNT 119.500 Acres ASSESSED CURRENT PREVIOUS N Bournedale Elementary School 41 Emest Valeri 6,099,800 6,152,400 LAND BORNEDALE Nbhd O Road:DPW 35 Ernest Valeri Rd;combined w/ map 21pcl 4 BUILDING 10,971,300 11,085,600 Infi1 AVG DETACHED 15,000 15.000 OTHER 0 0 AVG N Index 17,253,000 TOTAL 17,086,100 **ADJ PRICE PHOTO** QUAL COND DIM/NOTE YB UNITS RCNLD TY 1.00 50 0.50 30.000 1.00 15,000 PAV **BLDG COMMENTS** BUILDING CD ADJ DESC MEASURE MODEL CIM-5 5 LIST 3.20 SCHOOLS [100%] STYLE 96 QUALITY νi 1.25 VERY GOOD [100%] **REVIEW** U FRAME 2 1.00 MASONRY [100%] DESCRIPTION ADJ SIBATIT DESCRIPTION UNITS YB ADJ PRICE RCN TOTAL RCN ELEMENT CD 11,428,471 SIZE ADJ YEAR BLT 2009 1.000 CONDITION ELEM CD **FOUNDATION** FLR & WALL 1.00 BAS L BASE AREA 48.800 2009 164.92 8,048,290 **NET AREA** 68,120 DETAIL ADJ 3.492 EXT. COVER STUCCO USF L UP-STRY FIN 19,320 2009 139.99 2,704,564 1.00 EXTERIOR SNLA(RCN) \$168 OVERALL 1.015 **ROOF SHAPE** GABLE BMU N BSMT UNF 48,800 13.84 675,617 1.00 INTERIOR ROOF COVER UNITS ADJ ASPH/CMP SHIN CAPACITY 1.00 CDN/APP OTHER FLOOR COVER 6 1.00 **STORIES** 1.00 INT. FINISH DRYWALL 1.00 % HEATED 100 1.00 HEATING/COOL 2 HOT WATER 1.02 % AIR COND 1.00 0 **FUEL SOURCE** 2 GAS 1.00 % SPINKLERS 100 1.02 NAF 1.00 EFF.YR/AGE 2009 / 4 COND 4 4% **FUNC** 0 **ECON** DEPR 4 % GD RCNLD \$10,971,300



Ken Melvoen

Field Supervisor Bourne Elementary School

100 Ernest Valerie Road Bourne, MA 02532

> Cell: 339-222-2090 Fax:508-276-0078

kmelvoen@braitbuilders.com

BUILDING PERMIT APPLICANT COPY

THIS PERMIT NOT VALID UNLESS PROPERLY RECEIPTED BY CASHIER

VALIDATION

| APPLICANT | Town Of Bourne | bor 19, 2007 ADDRESS | PERMIT NO | 07590 |
|-------------------|--------------------------------|--------------------------|----------------------|------------------------------------|
| PERMIT TO | TYPE OF IMPROVEMENT) () STORY. | (NO.) (PROPOSED U | | (CONTR'S LICENSE) ER OF ING UNITS |
| AT (LOCATION)_ | Edgehill Road (STREET) | | | ZONING ADD, R80 |
| BETWEEN | | AND | | |
| | (CROSS STREET) | | (CROSS | STREET) |
| SUBDIVISION | map 20 parcel 33 zone x | _LOTBLOCK | LOT | 122.25 Ac. |
| BUILDING IS TO BE | FT. WIDE BYFT. | LONG BY | FT. IN HEIGHT AND SH | ALL CONFORM IN CONSTRUCTION |
| TO TYPE | USE GROUP. | LONG BYBASEMENT WALLS OR | | (TYPE) |
| | | | | |
| TO TYPE | USE GROUP. | | | |
| TO TYPE | USE GROUP. | | FOUNDATION | |

FND OKNY 1-30-08

TOWN OF BOURNE INTERDEPARTMENTAL ADVISORY FORM

676AC

| OWNERVAPPLICANT: Town of Bourne | |
|---|------|
| NATURE OF REQUEST: Au School | |
| DATE: 10.29.07 DEPARTMENT: FOSPECTION | |
| ENGINEERING: Date of recording: Zone: Reo SDD Resource District 163 Town Road: 100 Paved: 165 Contiguous Lots? 10 Flood Zone: X Within 100 of Wetland? 100 Owner: 10ww of Rowers Remarks: | |
| Mishau four 10/50/07 Department Head (date) | |
| PLANNING TEPARTMENT: Concurs Does Not Concur Memarks: Town Planner (date) | |
| PLANNING BOARD: Concurs Does Not Concur Remarks: | |
| Board Member (date) | 7 |
| CONSERVATION*COMMISSION: Must file () Determination or () Notice of Intent Need not file. Commission Member (date) | 6/07 |
| BOARD OF HEALTH # 124-07 Remarks: Abad Concur Concurs Health Agent (date) | ndin |
| Page 1 of 2 may be | |

OF BOOK

MUNICIE BUILDER

INSPECTION DEPARTMENT 24-Perry Avenue. Buzzards Bay, MA 02532

| Date: 10.29.07 L | og# 0767 | Fee: 1 |
|---|---|--|
| Address of Project: Edgehill Owner's Name: Town of Bou | Me_Phone #: 5 | 32.759.0600 |
| ASSESSORS INFORMATION: MAP_20 PARCEL_3 ZONING INFORMATION: DISTRICT R-80,50D WATE RECORDED_469 TOW ELEV | ER RES. YOUNGER NO SEWER WOOD ATION REQ. — AREA 122.76 Ac. FROM | AGEOVERLAY_Y6S ITAGE ±82' |
| Proposed l | Jse-Type of Improvement | |
| Commercial Building Single Family Two or more family (# of units) Condominium Addition/Alteration Repair/Replace Foundation Only Land Alterations (bogs, excavation etc.) | Demolition (interior/exterior) Garage Chimney/Fireplace Siding/Roofing Windows/Doors Deck Wind Turbines/Towers | PoolShedFence Wood/Pellet/CoalStoveSignHome OccupationVOther |
| | | TO CHICKENS STREET STRE |

Detailed Description of Project

Construction of a New educational facility of approx. 68,200

SF. Consisting of a two Story academic building for grades

1-4. Including classrooms for Kindergarden + pre-Kindergarden + pre

BUILDING CHARACTERISTICS Other 3rd Floor 1st Floor 2nd Floor Length Width Ells or Additions Total Sq.ft. of bldg. 68,120 Total sq.ft. per floor Sq.ft. of Garage Garage NUMBER OF BEDROOMS NUMBER OF BATHROOMS % MAXIMUM GROSS FLOOR AREA TO LOT AREA 8% NUMBER OF STORIES HEIGHT (to highest point) 39°FF
% TOTAL LOT COVERAGE 120/6 OTHER____ HEAT: GAS_V VARIANCE: SPECIAL PERMIT: SITE PLAN: Notes: COMMERCIAL NUMBER OF SPACES NUMBER OF HANDICAPPED SPACES TYPE OF CONSTRUCTION. SPRINKLER SYSTEM (YES)/ NO USE GROUP ELEVATOR YES NO 1090 FT. FROM FRONT SETBACK DISTANCES FT. FROM RIGHT FT. FROM REAR 360 FT. FROM LEFT

2010

CERTIFICATE ISSUED
DATE SUCY 1,2009

BUILDING PERMIT CERTIFICATE OF OCCUPANCY

| | Town Of Bourne New School () STORY | ADDRESS(NO.) | (STREET) NUMBER | OF UNITS |
|---------------------|--------------------------------------|---|---|---|
| ERMIT TO(T) | PE OF IMPROVEMENT) STORY () STORY | (PROPOSED US | | 10 011110 |
| AT (LOCATION) | Fdgehill Road XX Erne (NO.) (STREET) | est Valero Road | | ZONING DD, R |
| BETWEEN | | AND | (CROSS S | TREET) |
| SUBDIVISION | map 20 parcel 33 zone x | LOTBLOCK | LOT SIZE | 122.26 Ac |
| BUILDING IS TO BE . | FT. WIDE BYFT. | LONG BY | FT. IN HEIGHT AND SH | ALL CONFORM IN CONSTRU |
| TO TYPE | USE GROUP | BASEMENT WALLS OF | FOUNDATION | (TYPE) |
| REMARKS: | construct new school | | | |
| | | | | |
| | | 了每分子号(AGS)/A | 3678818188456 | 西岛岛岛岛岛岛西岛 |
| AREA OR VOLUME | (CUBIC/SQUARE FEET) | 的多数。 1000年8月 1000年 | 是是是是是是是是是 100年的是是是是 100年的是是是 100年的是是 | 西部分的特殊 |
| | (CUBIC/SQUARE FEET) BRAIT Builders | 的是我是不是 一种的是是 一种的是是 一种的是 一种的是 一种的是 一种的是 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的的。 一种的。 | SEE REVERSE SIDE | OSTED ON PREMISES OR CONDITIONS OF CERTIF |
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| VOLUME | (CUBIC/SQUARE FEET) BRAIT Builders | THE STATE OF THE S | CONTROL OF TO BE PERSE SIDE | OSTED ON PREMISES FOR CONDITIONS OF CERTIF |

EPARTMENTAL APPROVAL FOR CERTIFICATE

FORM NO. I.C.C. - BP 2003



Appendix D

Environmental Database Search Environmental Data Resources, Inc.

Bourndale Elementary School

41 Ernest Valeri Rd Buzzards Bay, MA 02532

Inquiry Number: 4465405.9

November 12, 2015

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 November 12, 2015

Target Property:

41 Ernest Valeri Rd

Buzzards Bay, MA 02532

| <u>Year</u> | <u>Scale</u> | <u>Details</u> | <u>Source</u> |
|-------------|------------------------------------|--|---------------|
| 1951 | Aerial Photograph. Scale: 1"=500' | Flight Date: October 22, 1951 | USGS |
| 1966 | Aerial Photograph. Scale: 1"=500' | Flight Date: February 22, 1966 | EDR |
| 1970 | Aerial Photograph. Scale: 1"=500' | Flight Date: October 06, 1970 | USGS |
| 1977 | Aerial Photograph. Scale: 1"=1000' | Flight Date: April 01, 1977 | EDR |
| 1980 | Aerial Photograph. Scale: 1"=500' | Flight Date: June 18, 1980 | USGS |
| 1985 | Aerial Photograph. Scale: 1"=500' | Flight Date: March 26, 1985 | USGS |
| 1993 | Aerial Photograph. Scale: 1"=500' | Flight Date: July 10, 1993 | USGS |
| 1995 | Aerial Photograph. Scale: 1"=500' | DOQQ - acquisition dates: March 10, 1995 | USGS/DOQQ |
| 2006 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2006 | USDA/NAIP |
| 2008 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2008 | USDA/NAIP |
| 2010 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2010 | USDA/NAIP |
| 2012 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2012 | USDA/NAIP |



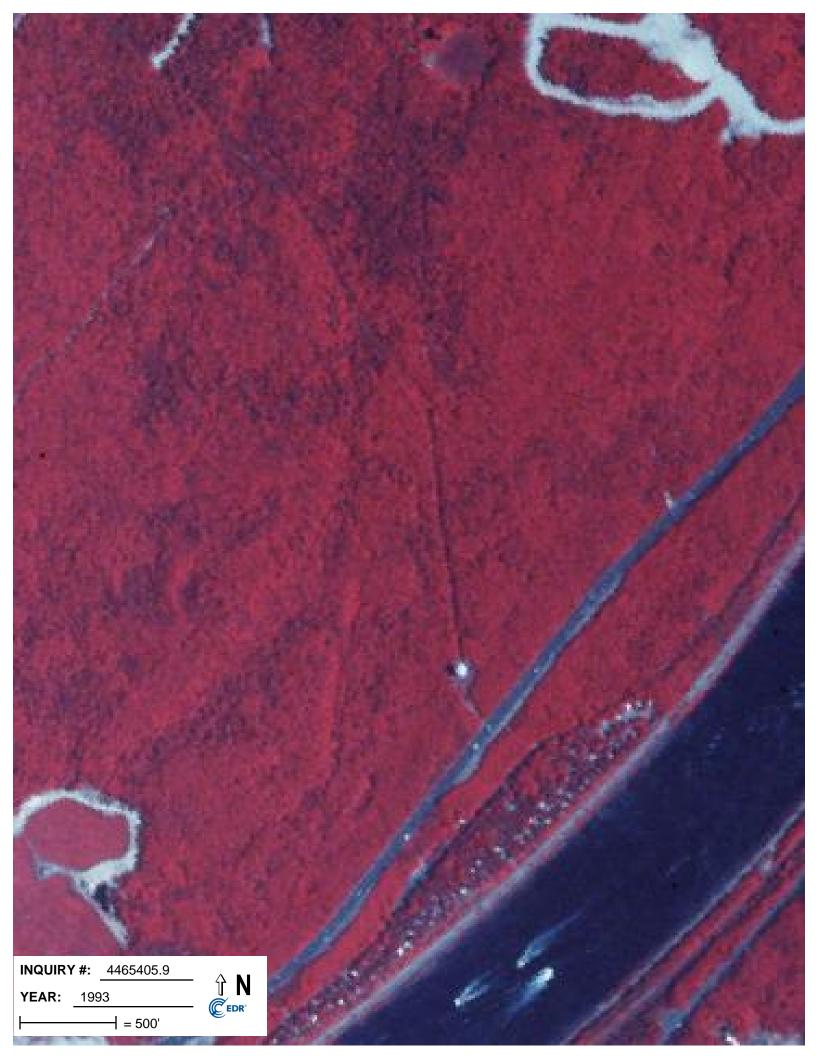




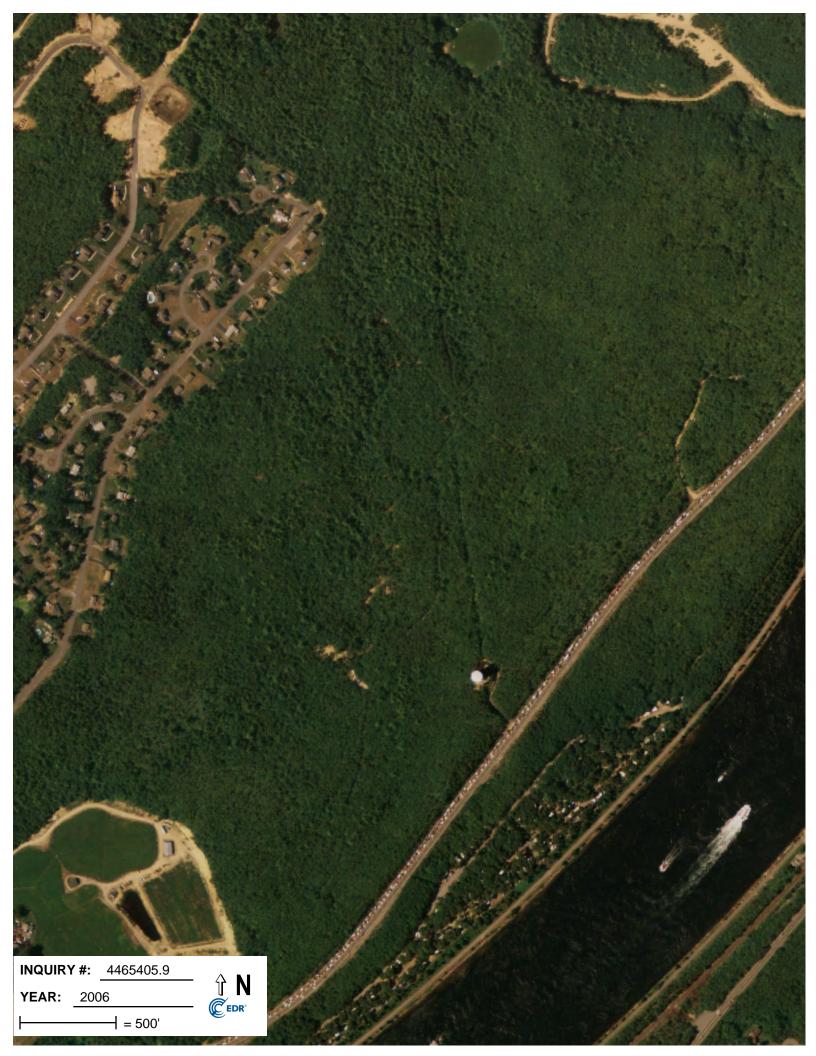




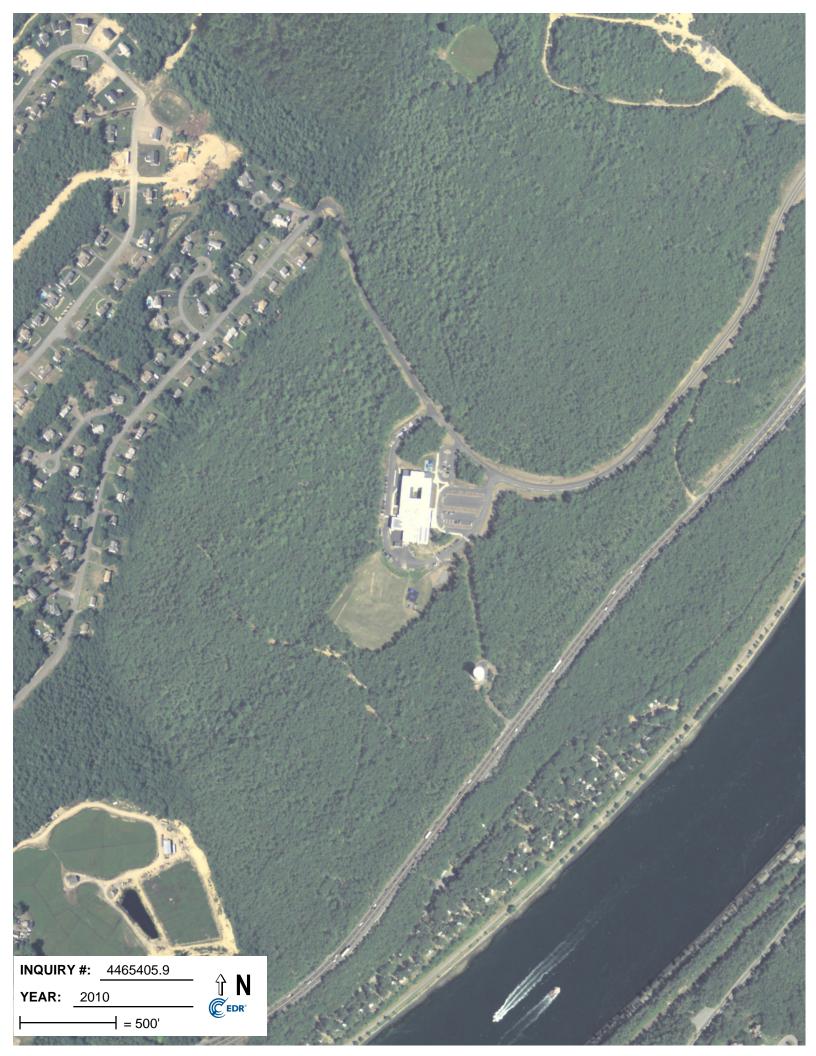


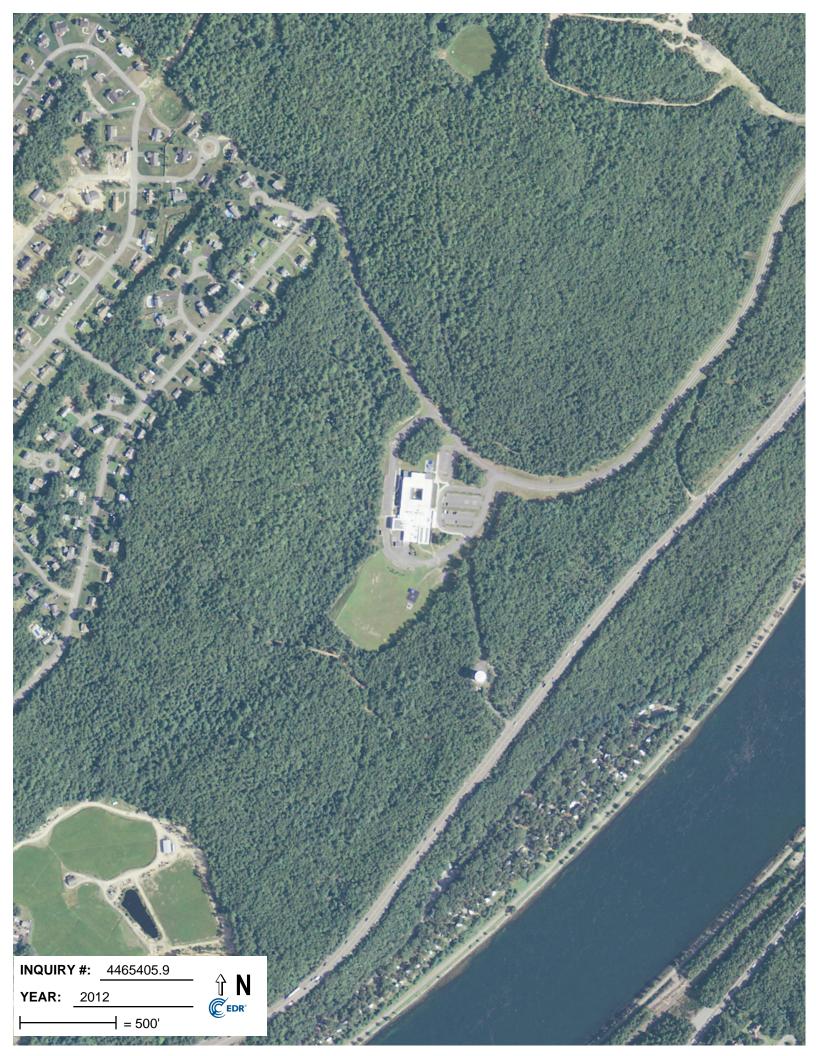












Bourndale Elementary School

41 Ernest Valeri Rd Buzzards Bay, MA 02532

Inquiry Number: 4465405.5

November 16, 2015

The EDR-City Directory Image Report



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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> |
|-------------|-------------------------|--------------|----------------------------|
| 2013 | $\overline{\checkmark}$ | | Cole Information Services |
| 2008 | | | Cole Information Services |
| 2003 | | | Cole Information Services |
| 1999 | | | Cole Information Services |
| 1995 | | | Cole Information Services |
| 1992 | | | Cole Information Services |
| 1988 | | | Cole Criss-Cross Directory |
| 1984 | | | Cole Criss-Cross Directory |

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

41 Ernest Valeri Rd Buzzards Bay, MA 02532

| <u>Year</u> | <u>CD Image</u> | <u>Source</u> |
|-------------|-----------------|---------------|
|-------------|-----------------|---------------|

ERNEST VALERI RD

| 2013 | pg A1 | Cole Information Services | |
|------|-------|----------------------------|-----------------------------|
| 2008 | - | Cole Information Services | Street not listed in Source |
| 2003 | - | Cole Information Services | Street not listed in Source |
| 1999 | - | Cole Information Services | Street not listed in Source |
| 1995 | - | Cole Information Services | Street not listed in Source |
| 1992 | - | Cole Information Services | Street not listed in Source |
| 1988 | - | Cole Criss-Cross Directory | Street not listed in Source |
| 1984 | - | Cole Criss-Cross Directory | Street not listed in Source |

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FINDINGS

CROSS STREETS

No Cross Streets Identified



| Target Street | Cross Street | <u>Source</u> |
|---------------|--------------|--------------------------|
| ✓ | - | Cole Information Service |

ERNEST VALERI RD 2013

| 41 | TOWN OF BOURNE |
|----|----------------|
| | |
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Bourndale Elementary School

41 Ernest Valeri Rd Buzzards Bay, MA 02532

Inquiry Number: 4465405.2s

November 12, 2015

The EDR Radius Map™ Report with GeoCheck®

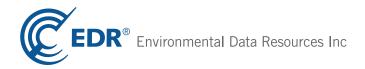


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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

41 ERNEST VALERI RD BUZZARDS BAY, MA 02532

COORDINATES

Latitude (North): 41.7598000 - 41° 45' 35.28" Longitude (West): 70.5805000 - 70° 34' 49.80"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 368610.1 UTM Y (Meters): 4624101.5

Elevation: 72 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5642135 SAGAMORE, MA

Version Date: 2012

South Map: 5642133 POCASSET, MA

Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120813, 20120712

Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 41 ERNEST VALERI RD BUZZARDS BAY, MA 02532

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|-----------|----------------------|---------------------|---|-----------------------|-------------------------------|
| Reg | OTIS AIR FORCE BASE | ADDRESS | DOD | Same | 2739, 0.519, SE |
| 1 | NO LOCATION AID | 5 FORETOP RD | SHWS, RELEASE | Higher | 3046, 0.577, SSE |
| 2 | NO LOCATION AID | SCENIC HWY | SHWS, RELEASE | Lower | 4376, 0.829, SW |
| 3 | JOHN GALLO ICE ARENA | 231 SANDWICH RD | SHWS, RELEASE, HW GEN | Lower | 4611, 0.873, South |
| 4 | RESIDENCE | 291 HEAD OF THE BAY | SHWS, RELEASE | Lower | 4856, 0.920, West |
| 5 | IHOP RESTAURANT | 2 BOURNE ROTARY | SHWS, LUST, RELEASE | Lower | 5091, 0.964, WSW |
| 6 | SOUTHEAST WILDLIFE D | 195 BOURNEDALE RD | SHWS, LUST, UST, RELEASE, Financial Assurance, HW | Higher | 5189, 0.983, NNW |

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

| Federal | NPI | sita | liet |
|---------|-----|------|------|

| 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 | | | |
|------------------|---|--------------|-----------------|--------------------|
| CERCLIS | . Comprehensive Environmental Response, | Compensation | , and Liability | Information System |

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

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 |
| RCRA-CESQG | RCRA - Conditionally Exempt Small Quantity Generator |

Federal institutional controls / engineering controls registries

| LUCIS | Land Use Control Information System |
|-----------------|-------------------------------------|
| US ENG CONTROLS | Engineering Controls Sites List |

US INST CONTROL..... Sites with Institutional Controls 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 LAST..... Leaking Aboveground Storage Tank Sites LUST..... Leaking Underground Storage Tank Listing INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land State and tribal registered storage tank lists FEMA UST..... Underground Storage Tank Listing UST......Summary Listing of all the Tanks Registered in the State of Massachusetts AST..... Aboveground Storage Tank Database INDIAN UST...... Underground Storage Tanks on Indian Land 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 State and tribal Brownfields sites BROWNFIELDS..... Completed Brownfields Covenants Listing ADDITIONAL ENVIRONMENTAL RECORDS Local Brownfield lists US BROWNFIELDS..... A Listing of Brownfields Sites Local Lists of Landfill / Solid Waste Disposal Sites INDIAN ODI_____ Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations ODI...... Open Dump Inventory Local Lists of Hazardous waste / Contaminated Sites US HIST CDL..... National Clandestine Laboratory Register US CDL..... Clandestine Drug Labs Local Land Records

LIENS.....Liens Information Listing

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Historical Spill List

RELEASE...... Reportable Releases Database SPILLS 90...... SPILLS 90 data from FirstSearch SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR______ RCRA - Non Generators / No Longer Regulated

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION...... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

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

SSTS______Section 7 Tracking Systems ROD...... Records Of Decision

RMP..... Risk Management Plans

RAATS...... RCRA Administrative Action Tracking System

PRP..... Potentially Responsible Parties PADS...... PCB Activity Database System

ICIS...... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

..... Material Licensing Tracking System COAL ASH DOE...... Steam-Electric Plant Operation Data

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

PCB TRANSFORMER PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS...... Incident and Accident Data

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

INDIAN RESERV..... Indian Reservations UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS...... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File

FINDS..... Facility Index System/Facility Registry System

AIRS..... Permitted Facilities Listing DRYCLEANERS..... Regulated Drycleaning Facilities ENF..... Enforcement Action Cases

Financial Assurance Information Listing

GWDP..... Ground Water Discharge Permits

HW GEN..... List of Massachusetts Hazardous Waste Generators

LEAD..... Lead Inspection Database

MERCURY Product Recyling Drop-Off Locations Listing

NPDES...... NPDES Permit Listing TIER 2..... Tier 2 Information Listing TSD..... TSD Facility

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR US Hist Auto Stat...... EDR Exclusive Historic Gas Stations EDR US Hist Cleaners...... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| RGA HWS | Recovered Government Archive State Hazardous Waste Facilities List |
|----------|--|
| RGA LUST | Recovered Government Archive Leaking Underground Storage Tank |

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

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 06/30/2015 has revealed that there are 6 SHWS sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|--|--|-------------------------|--------|------|
| NO LOCATION AID Release Tracking Number / Curren | 5 FORETOP RD t Status: 4-0017811 / RAONR | SSE 1/2 - 1 (0.577 mi.) | | 8 |
| SOUTHEAST WILDLIFE D Release Tracking Number / Curren | 195 BOURNEDALE RD t Status: 4-0000408 / DEPNFA | NNW 1/2 - 1 (0.983 mi.) | 6 | 16 |
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
| NO LOCATION AID Release Tracking Number / Curren | SCENIC HWY t Status: 4-0012165 / DEPNFA | SW 1/2 - 1 (0.829 mi.) | 2 | 9 |
| JOHN GALLO ICE ARENA Release Tracking Number / Curren | 231 SANDWICH RD t Status: 4-0017814 / RAONR | S 1/2 - 1 (0.873 mi.) | 3 | 11 |
| RESIDENCE Release Tracking Number / Curren | 291 HEAD OF THE BAY t Status: 4-0024343 / RAO | W 1/2 - 1 (0.920 mi.) | 4 | 12 |
| IHOP RESTAURANT Release Tracking Number / Curren | 2 BOURNE ROTARY t Status: 4-0010698 / DPS | WSW 1/2 - 1 (0.964 mi.) | 5 | 13 |

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

DOD: 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.

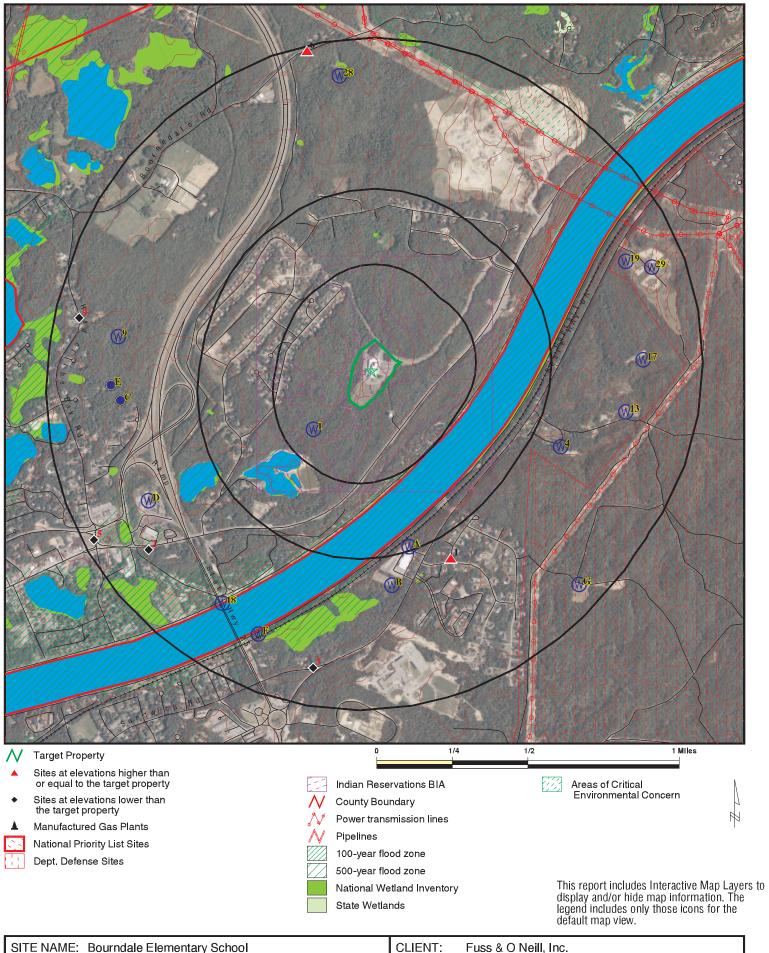
A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

| Equal/Higher Elevation | ual/Higher Elevation Address | | Map ID | Page |
|------------------------|------------------------------|------------------------|--------|------|
| OTIS AIR FORCE BASE | | SE 1/2 - 1 (0.519 mi.) | 0 | 8 |

Due to poor or inadequate address information, the following sites were not mapped. Count: 12 records.

| Site Name | Database(s) |
|-----------------------------|---------------|
| SCENIC HWY REST AREA | SHWS, RELEASE |
| BOURNE ROTARY | SHWS, RELEASE |
| ON RAMP TO MID CAPE HIGHWAY | SHWS, RELEASE |
| NEAR BORNE BRIDGE | SHWS, RELEASE |
| SE RANGE | SHWS, RELEASE |
| T RANGE | SHWS, RELEASE |
| MMRCS 1 CG TRANSMITTER | SHWS, RELEASE |
| ISLAND CHANNEL | SHWS, RELEASE |
| MP-4 | SHWS, RELEASE |
| CANAL RD | SHWS, RELEASE |
| WOODED AREA NEAR REST AREA | SHWS, RELEASE |
| B NO 120 | SHWS, RELEASE |

OVERVIEW MAP - 4465405.2S



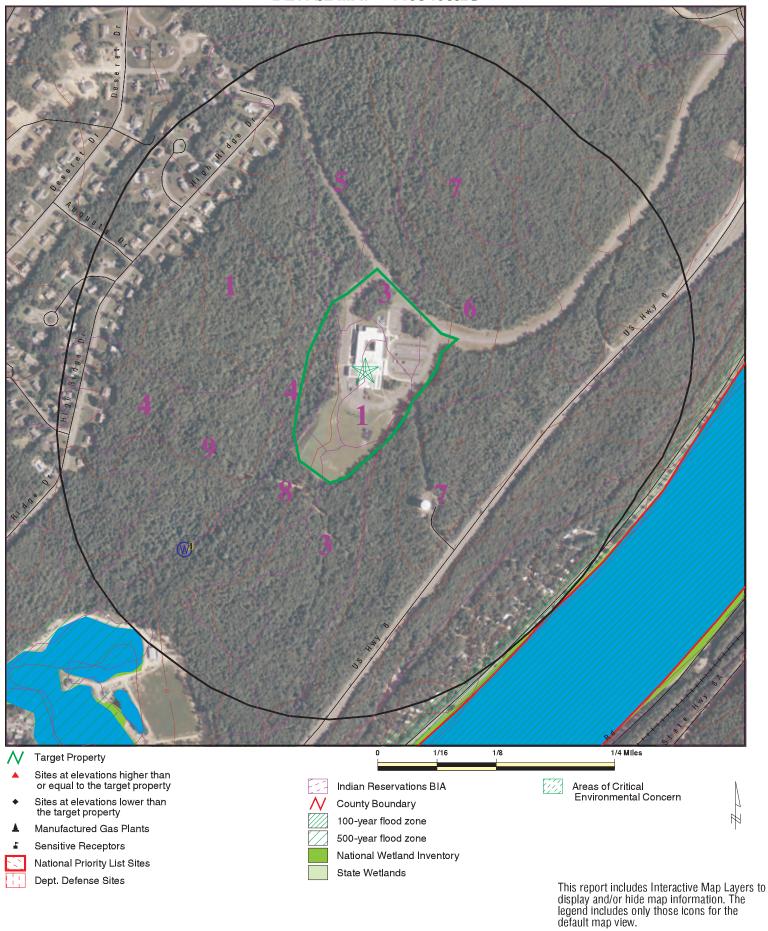
SITE NAME: Bourndale Elementary School ADDRESS: 41 Ernest Valeri Rd

Buzzards Bay MA 02532 LAT/LONG: 41.7598 / 70.5805

CLIENT: Fuss & O Neill, Inc. CONTACT: Adam Finkelman INQUIRY #: 4465405.2s

DATE: November 12, 2015 1:56 pm

DETAIL MAP - 4465405.2S



SITE NAME: Bourndale Elementary School ADDRESS: 41 Ernest Valeri Rd

Buzzards Bay MA 02532 LAT/LONG: 41.7598 / 70.5805 CLIENT: Fuss & O Neill, Inc. CONTACT: Adam Finkelman INQUIRY#: 4465405.2s

DATE: November 12, 2015 1:57 pm

| 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 | | | | | | | | |
| FEDERAL FACILITY CERCLIS | 0.500 0.500 | | 0 0 | 0 0 | 0 0 | NR NR | NR NR | 0 0 |
| Federal CERCLIS NFRA | P site List | | | | | | | |
| CERC-NFRAP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Federal RCRA CORRAC | TS facilities lis | t | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Federal RCRA non-COR | RACTS TSD fa | cilities 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 0 | NR NR NR | NR NR NR | NR NR NR | 0 0 0 |
| Federal institutional cor engineering controls re | | | | | | | | |
| LUCIS US ENG CONTROLS US INST CONTROL | 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 | | | | | | | |
| SHWS | 1.000 | | 0 | 0 | 0 | 6 | NR | 6 |
| 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 lis | sts | | | | | | |
| LAST LUST INDIAN LUST | 0.500 0.500 0.500 | | 0 0 0 | 0 0 0 | 0 0 0 | NR NR NR | NR NR NR | 0 0 0 |
| State and tribal register | ed storage tank | k lists | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|--------------------|---|---|---|--------------------------------------|--|---------------------------------|
| UST AST INDIAN 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 con | | | | | | | | |
| INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal voluntary | cleanup sites | 5 | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal Brownfie | lds sites | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ADDITIONAL ENVIRONMEN | TAL RECORDS | | | | | | | |
| | | | | | | | | |
| Local Brownfield lists | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Local Lists of Landfill / S Waste Disposal Sites | olid | | | | | | | |
| INDIAN ODI DEBRIS REGION 9 ODI | 0.500 0.500 0.500 | | 0 0 0 | 0 0 0 | 0 0 0 | NR NR NR | NR NR NR | 0 0 0 |
| Local Lists of Hazardous Contaminated Sites | waste / | | | | | | | |
| US HIST CDL US CDL | TP TP | | NR NR | NR NR | NR NR | NR NR | NR NR | 0 0 |
| Local Land Records | | | | | | | | |
| LIENS LIENS 2 | TP TP | | NR NR | NR NR | NR NR | NR NR | NR NR | 0 0 |
| Records of Emergency R | elease Report | 's | | | | | | |
| HMIRS SPILLS RELEASE SPILLS 90 SPILLS 80 | TP TP TP TP TP | | NR NR NR NR NR | NR NR NR NR NR | NR NR NR NR NR | NR NR NR NR NR | NR NR NR NR NR | 0 0 0 0 |
| Other Ascertainable Records | | | | | | | | |
| RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA | 0.250 1.000 1.000 0.500 TP TP 0.250 | | 0 0 0 0 NR NR 0 NR | 0 0 0 0 NR NR 0 NR | NR 0 0 0 NR NR NR NR | NR 0 1 NR NR NR NR | NR NR NR NR NR NR NR | 0 0 1 0 0 0 0 |

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|------------------------------------|-------------------------------|--------------------|----------|-----------|-----------|----------|----------|------------------|
| | <u> </u> | | | | | | | |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS PRP | TP TD | | NR | NR NB | NR | NR | NR NB | 0 |
| PADS | TP TP | | NR NR | NR NR | NR NR | NR NR | NR NR | 0 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | Ö |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS US AIRS | TP TP | | NR | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | NR 0 | NR 0 | NR NR | NR NR | NR NR | 0 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ENF | TP | | NR | NR | NR | NR | NR | Ö |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| GWDP | TP | | NR | NR | NR | NR | NR | 0 |
| HW GEN | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| LEAD | TP | | NR | NR | NR | NR | NR | 0 |
| MERCURY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| TIER 2 | TP | | NR | NR | NR | NR | NR | 0 |
| TSD | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| EDR HIGH RISK HISTORICA | L RECORDS | | | | | | | |
| EDR Exclusive Records | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR US Hist Auto Stat | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR US Hist Cleaners | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR RECOVERED GOVERNMENT ARCHIVES | | | | | | | | |
| Exclusive Recovered Govt. Archives | | | | | | | | |
| RGA HWS | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LUST | TP | | NR | NR | NR | NR | NR | 0 |
| - Totals | | 0 | 0 | 0 | 0 | 7 | 0 | 7 |
| . 51010 | | J | U | J | J | • | U | • |

Search

Distance (Miles)

Target Property

< 1/8 1/8 - 1/4

1/4 - 1/2

1/2 - 1

> 1

Total Plotted

NOTES:

Database

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

DOD OTIS AIR FORCE BASE DOD CUSA115053
Region N/A

SE 1/2-1

OTIS AIR FORCE BASE (County), MA

1/2-1 2739 ft.

DOD:

Feature 1: Air Force DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Otis Air Force Base
Name 2: Not reported
Name 3: Not reported
State: MA

State: MA DOD Site: Yes

Tile name: MABARNSTABLE

1 NO LOCATION AID SHWS

SSE 5 FORETOP RD 1/2-1 BOURNE, MA 02532

0.577 mi. 3046 ft.

Relative: SHWS:

Higher Release Tracking Number/Current Status: 4-0017811 / RAONR

Release Town: BOURNE

Actual: Notification Date: 05/07/2003

83 ft. Category: TWO HR

Associated ID: 4-0000037

Current Status: Response Action Outcome Not Required

Status Date: 06/25/2003
Phase: 06/25/2003

Response Action Outcome:

Oil Or Haz Material: Hazardous Material Location Type: RESIDNTIAL

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

Chemicals:

Chemical: PERCHLORATE
Quantity: 1.75 parts per million

Actions:

Action Type: Tier Classification
Action Status: Tier 1A Classification

Action Date: 10/1/1993 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 10/1/1993 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 10/1/1993 Response Action Outcome: Not reported S105914189

N/A

RELEASE

MAP FINDINGS Map ID

Direction Distance

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

NO LOCATION AID (Continued) S105914189

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

Action Date: 5/7/2003 Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 5/7/2003 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action

Action Status: **NORA** Action Date: 6/24/2003 Response Action Outcome: Not reported

Tier Classification Action Type:

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 6/25/2003 Response Action Outcome: Not reported

Action Type: **RAO Not Required**

Linked to a Tier Classified Site Action Status:

Action Date: 6/25/2003 Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0017811 / RAONR

Primary ID: 4-0000037 Official City: **BOURNE** Notification: 05/07/2003 Category: TWO HR Status Date: 06/25/2003 Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

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

NO LOCATION AID SHWS S103812434 SW **SCENIC HWY RELEASE**

1/2-1 BOURNE, MA 02532

0.829 mi. 4376 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0012165 / DEPNFA Lower

Release Town: **BOURNE** Actual: 05/10/1996 Notification Date: 21 ft. TWO HR Category: Associated ID: Not reported

No Further Action (DEP Determined) **Current Status:**

Status Date: 08/26/2008 Phase: Not reported

Response Action Outcome: Oil Or Haz Material: Oil N/A

EDR ID Number

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S103812434

EDR ID Number

Location Type: ROADWAY

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

Chemicals:

Chemical: DIESEL FUEL Quantity: 100 gallons

Actions:

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

Action Date: 10/23/2000 Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead

Action Status: Work Started
Action Date: 5/10/1996
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 5/10/1996
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 5/11/1996
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: 5/15/1996
Response Action Outcome: Not reported

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

Action Date: 8/11/1997 Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: DEPNFA
Action Date: 8/26/2008
Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0012165 / DEPNFA

Primary ID:
Official City:
Notification:
O5/10/1996
Category:
Status Date:
Phase:
Not reported
BOURNE
TWO HR
08/26/2008
Not reported

Response Action Outcome: - Oil / Haz Material Type: Oil

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S103812434

EDR ID Number

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

3 JOHN GALLO ICE ARENA SHWS \$108034395 South 231 SANDWICH RD RELEASE N/A

1/2-1 BOURNE, MA 02532 HW GEN

0.873 mi. 4611 ft.

Relative: SHWS:

Lower Release Tracking Number/Current Status: 4-0017814 / RAONR

 Release Town:
 BOURNE

 Actual:
 Notification Date:
 05/12/2003

 54 ft.
 Category:
 120 DY

Category: 120 DY
Associated ID: Not reported

Current Status: Response Action Outcome Not Required

Status Date: 05/13/2003 Phase: Not reported

Response Action Outcome:

Oil Or Haz Material:
Location Type:
COMMERCIAL
Source:
UNKNOWN

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

Chemicals:

Chemical: PERCHLORATE
Quantity: 26 micrograms per liter

Actions:

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 5/12/2003
Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 5/13/2003
Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0017814 / RAONR

Primary ID: Not reported
Official City: BOURNE
Notification: 05/12/2003
Category: 120 DY
Status Date: 05/13/2003
Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

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

Map ID MAP FINDINGS

Direction Distance

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

JOHN GALLO ICE ARENA (Continued)

S108034395

HW GEN:

MV5087598904 EPA Id: RCRA Generator Status: Not reported State Generator Status: VQG-MA

RESIDENCE SHWS S112288525 West 291 HEAD OF THE BAY ROAD **RELEASE** N/A

1/2-1 **BOURNE, MA**

0.920 mi. 4856 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0024343 / RAO Lower

Release Town: **BOURNE** Actual: Notification Date: 12/19/2012 35 ft. Category: TWO HR

Associated ID: Not reported

Current Status: Response Action Outcome

Status Date: 02/26/2013 Not reported Phase:

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

been reduced to background.

Oil Or Haz Material:

RESIDNTIAL Location Type: Location Type: **ROADWAY** Source: **VEHICLE**

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

Chemicals:

DIESEL FUEL Chemical: Quantity: 10 gallons

Actions:

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

Action Date: 12/19/2012

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

reduced to background.

Action Type: **RLFA** Action Status: FLDD1U Action Date: 12/19/2012

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: 12/19/2012

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

reduced to background.

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

Action Date: 2/26/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been Map ID MAP FINDINGS

Direction Distance

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

RESIDENCE (Continued) S112288525

reduced to background.

Action Type: **RNFE**

Action Status: Transmittal, Notice, or Notification Received

Action Date: 2/26/2013

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

reduced to background.

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

3/4/2013 Action Date:

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

reduced to background.

Release:

Release Tracking Number/Current Status: 4-0024343 / RAO Primary ID: Not reported Official City: **BOURNE** 12/19/2012 Notification: TWO HR Category: Status Date: 02/26/2013 Phase: Not reported

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

been reduced to background.

Oil / Haz Material Type:

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

IHOP RESTAURANT wsw **2 BOURNE ROTARY BOURNE, MA 02532** 1/2-1

S103546581 SHWS **LUST** N/A **RELEASE**

0.964 mi. 5091 ft.

Actual:

28 ft.

SHWS: Relative:

Release Tracking Number/Current Status: 4-0010698 / DPS Lower Release Town: **BOURNE**

08/22/1994 Notification Date: Category: 120 DY Associated ID: Not reported

Current Status: Downgradient Property Status

Status Date: 06/17/1998 Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Hazardous Material COMMERCIAL Location Type: **OFFSITE** Source: Source: UNKNOWN Source:

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

Chemicals:

Chemical: BENZENE Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

IHOP RESTAURANT (Continued)

S103546581

EDR ID Number

Quantity:640 parts per billionChemical:ETHYLBENZENEQuantity:2500 parts per billion

Chemical: MTBE

Quantity: 80000 parts per billion

Chemical: BENZENE

Quantity: 640 micrograms per liter

Chemical: TOLUENE

Quantity: 23000 parts per billion

Chemical: XYLENE

Quantity: 12700 parts per billion

Actions:

Action Type: Downgradient Property Status
Action Status: Level I - Technical Screen Audit

Action Date: 1/25/2006 Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/4/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/6/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 12/15/1994
Response Action Outcome: Not reported

Action Type: Downgradient Property Status

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/17/1998
Response Action Outcome: Not reported

Action Type: Downgradient Property Status

Action Status: Fee Received - FMCRA Use Only

Action Date: 6/23/1998
Response Action Outcome: Not reported

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 8/22/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/22/1994
Response Action Outcome: Not reported

LUST:

Facility:

Release Tracking Number/Current Status: 4-0010698 / DPS

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

IHOP RESTAURANT (Continued)

S103546581

EDR ID Number

Status Date: 06/17/1998
Source Type: UST
Release Town: BOURNE
Notification Date: 08/22/1994
Category: 120 DY
Associated ID: Not reported
Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Hazardous Material

Location Type: COMMERCIAL Source: OFFSITE Source: UST Source: UNKNOWN

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

Chemicals:

Chemical: BENZENE

Quantity:640 parts per billionChemical:ETHYLBENZENEQuantity:2500 parts per billion

Chemical: MTBE

Quantity: 80000 parts per billion

Chemical: BENZENE

Quantity: 640 micrograms per liter

Chemical: TOLUENE

Quantity: 23000 parts per billion

Chemical: XYLENE

Quantity: 12700 parts per billion

Actions:

Action Type: Downgradient Property Status
Action Status: Level I - Technical Screen Audit

Action Date: 1/25/2006 Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/4/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/6/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 12/15/1994
Response Action Outcome: Not reported

Action Type: Downgradient Property Status

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/17/1998

MAP FINDINGS Map ID

Direction Distance

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

IHOP RESTAURANT (Continued) S103546581

Response Action Outcome: Not reported

Downgradient Property Status Action Type: Action Status: Fee Received - FMCRA Use Only

Action Date: 6/23/1998 Response Action Outcome: Not reported

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 8/22/1994 Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

8/22/1994 Action Date: Response Action Outcome: Not reported

Release:

Release Tracking Number/Current Status: 4-0010698 / DPS Primary ID: Not reported Official City: BOURNE Notification: 08/22/1994 Category: 120 DY 06/17/1998 Status Date: Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

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

SOUTHEAST WILDLIFE DIST SHWS U002008124 NNW 195 BOURNEDALE RD LUST N/A

1/2-1 **BUZZARDS BAY, MA 02532 UST** 0.983 mi. **RELEASE** 5189 ft. **Financial Assurance HW GEN**

Relative:

SHWS: Higher

Release Tracking Number/Current Status: 4-0000408 / DEPNFA

Actual: **BOURNE** Release Town: 85 ft. Notification Date: 07/21/1987 NONE Category:

Associated ID: Not reported No Further Action (DEP Determined) **Current Status:**

Status Date: 07/23/1993 Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Hazardous Material

Location Type: STATE Source: **OTHER** Source: UST

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

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

SOUTHEAST WILDLIFE DIST (Continued)

U002008124

EDR ID Number

Chemicals:

Chemical: CHLOROFORM Quantity: Not reported

Actions:

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 7/21/1987
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: 7/21/1987
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

LUST:

Facility:

Release Tracking Number/Current Status: 4-0000408 / DEPNFA

Status Date: 07/23/1993
Source Type: UST
Release Town: BOURNE
Notification Date: 07/21/1987
Category: NONE
Associated ID: Not reported
Phase: Not reported

Response Action Outcome:

Oil Or Haz Material: Hazardous Material

Location Type: STATE
Source: OTHER
Source: UST

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

Chemicals:

Chemical: CHLOROFORM Quantity: Not reported

Actions:

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 7/21/1987
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: 7/21/1987
Response Action Outcome: Not reported

Map ID MAP FINDINGS

Direction
Distance
Elevation

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

SOUTHEAST WILDLIFE DIST (Continued)

U002008124

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

UST:

Facility:

Facility ID: 1152 Owner Id: 1459

Owner: COMM OF MASS DIV FISH & WILD

Owner Address: 100 CAMBRIDGE ST Owner City,St,Zip: BOSTON, MA 02202 Telephone: (617) 759-3406

Description: Other
Fire Dept. ID: 1036
Date of Inspection: Not reported

Tank ID:

Serial Number: Not reported Tank Status: Removed Status Date: Not reported 04/01/1959 Date Installed: Capacity: 1000 Contents: Gasoline Tank Type: Not reported Tank Usage: Not reported Tank Material: Steel

Tank Leak Detection: Not reported Pipe Material: Not reported Pipe Container: Not reported Pipe Leak Detection: Not reported

Above Ground: No

Tank ID: 2

Serial Number: Not reported Removed Tank Status: Not reported Status Date: Date Installed: 04/01/1959 Capacity: 500 Diesel Contents: Tank Type: Not reported Not reported Tank Usage: Tank Material: Steel

Tank Material: Steel
Tank Leak Detection: Not reported

Pipe Material: Not reported
Pipe Container: Not reported
Pipe Leak Detection: Not reported

Above Ground: No

Release:

Release Tracking Number/Current Status: 4-0000408 / DEPNFA

Primary ID: Not reported Official City: BOURNE

Map ID MAP FINDINGS Direction

Distance Elevation

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

SOUTHEAST WILDLIFE DIST (Continued)

U002008124

EDR ID Number

07/21/1987 Notification: Category: NONE Status Date: 07/23/1993 Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

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

MA Financial Assurance 2:

Facility Id: 1152 Description: Work Phone: Other

(617) 759-3406

HW GEN:

EPA Id: MAD981213309

RCRA Generator Status: **VSQG** VQG-MA State Generator Status:

Count: 12 records. ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|--------------|------------|-----------------------------|-------------------------------|-------|---------------|
| BOURNE | S105522101 | SCENIC HWY REST AREA | RTE 6 | 02532 | SHWS, RELEASE |
| BOURNE | S117692247 | BOURNE ROTARY | ROUTE 6 | | SHWS, RELEASE |
| BOURNE | S110822329 | ON RAMP TO MID CAPE HIGHWAY | ROUTE 6A | | SHWS, RELEASE |
| BOURNE | S111411928 | NEAR BORNE BRIDGE | BOURNE BRIDGE APPROACH STREET | 02532 | SHWS, RELEASE |
| BOURNE | S105736013 | SE RANGE | GIBBS RD | 02532 | SHWS, RELEASE |
| BOURNE | S105736014 | T RANGE | GIBBS RD | 02532 | SHWS, RELEASE |
| BOURNE | S106513048 | MMRCS 1 CG TRANSMITTER | GREENWAY RD JEFFERSON RD | 02532 | SHWS, RELEASE |
| BOURNE | S113411865 | ISLAND CHANNEL | OFF MAIN STREEET | | SHWS, RELEASE |
| BOURNE | S105735850 | MP-4 | POCASSETT SANDWICH RD | 02532 | SHWS, RELEASE |
| BOURNE | S108117206 | CANAL RD | SANDWICH RD | 02532 | SHWS, RELEASE |
| BOURNE | S110526364 | WOODED AREA NEAR REST AREA | SANDWICH ROAD | | SHWS, RELEASE |
| BUZZARDS BAY | S106513455 | B NO 120 | BUZZARDS BAY OIL SPILL | | SHWS, 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: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
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: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
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.

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

Source: EPA 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: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 75

Source: EPA Telephone: N/A

Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

Federal CERCLIS list

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: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

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: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

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: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015 Number of Days to Update: 82

Source: Environmental Protection Agency Telephone: (888) 372-7341

Last EDR Contact: 06/26/2015 Next Scheduled EDR Contact: 10/12/2015

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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

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: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Varies

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: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 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: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

LF PROFILES: Landfill Profiles Listing

This spreadsheet describes landfills that have actively accepted waste or have closed under MassDEP Solid Waste Regulations first adopted in 1971 (310 CMR 16.00 and 310 CMR 19.00). The list does not include landfills that closed before 1971 (and which never had a MassDEP permit or approval), or for which agency data is incomplete.

Date of Government Version: 06/26/2012 Date Data Arrived at EDR: 11/21/2014 Date Made Active in Reports: 12/17/2014

Number of Days to Update: 26

Source: Department of Environmental Protection

Telephone: 617-292-5868 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

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: 09/16/2015 Date Data Arrived at EDR: 10/07/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 15

Source: Department of Environmental Protection

Telephone: 617-292-5989 Last EDR Contact: 10/07/2015

Next Scheduled EDR Contact: 01/18/2016 Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tank Sites

Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5500 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 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: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 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: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 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: 07/30/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 07/28/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 415-972-3372

Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

State and tribal registered storage tank lists

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: 07/10/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: Varies

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: 07/13/2015 Date Data Arrived at EDR: 07/21/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 14

Source: Department of Fire Services, Office of the Public Safety

Telephone: 617-556-1035 Last EDR Contact: 07/21/2015

Next Scheduled EDR Contact: 11/02/2015 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: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Quarterly

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: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 07/28/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

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: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

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: 07/30/2015 Date Data Arrived at EDR: 08/07/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 67

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

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: 07/28/2015 Date Data Arrived at EDR: 08/14/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 60

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

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

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: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS 2: Potential Brownfields Listing

A listing of potential brownfields site locations in the state.

Date of Government Version: 12/17/2014 Date Data Arrived at EDR: 05/06/2015 Date Made Active in Reports: 05/11/2015

Number of Days to Update: 5

Source: Department of Environmental Protection

Telephone: 617-556-1007 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/16/2015

Data Release Frequency: Varies

BROWNFIELDS: Completed Brownfields Covenants Listing

Under Massachusetts law, M.G.L. c. 21E is the statute that governs the cleanup of releases of oil and/or hazardous material to the environment. The Brownfields Act of 1998 amended M.G.L. c. 21E by establishing significant liability relief and financial incentives to spur the redevelopment of brownfields, while ensuring that the Commonwealth's environmental standards are met. Most brownfields are redeveloped with the benefit of liability protections that operate automatically under M.G.L. c. 21E.

Date of Government Version: 11/01/2014 Date Data Arrived at EDR: 11/06/2014 Date Made Active in Reports: 11/10/2014

Number of Days to Update: 4

Source: Office of the Attorney General

Telephone: 617-963-2423 Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Annually

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: 06/22/2015 Date Data Arrived at EDR: 06/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 06/24/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 05/01/2015

Next Scheduled EDR Contact: 08/17/2015

Data Release Frequency: Varies

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

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: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

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: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: No Update Planned

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: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: Quarterly

Local Land Records

LIENS: Liens Information Listing A listing of environmental liens.

> Date of Government Version: 02/24/2014 Date Data Arrived at EDR: 02/27/2014 Date Made Active in Reports: 03/14/2014

Number of Days to Update: 15

Source: Department of Environmental Protection

Telephone: 617-292-5628 Last EDR Contact: 05/22/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Varies

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: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 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: 06/24/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 68

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 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: 06/30/2015 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/08/2013

Number of Days to Update: 36

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/10/1998 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/05/2013

Number of Days to Update: 61

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

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: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 09/11/2015

Next Scheduled EDR Contact: 12/21/2015

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: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

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: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: N/A

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: 05/21/2015

Next Scheduled EDR Contact: 08/31/2015 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: 09/01/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 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: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/23/2015

Data Release Frequency: Quarterly

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: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency Telephone: 703-308-4044

Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015

Data Release Frequency: Varies

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: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/25/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Every 4 Years

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: 12/31/2013 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 110

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 01/29/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Annually

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: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Annually

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: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015 Date Data Arrived at EDR: 08/26/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/26/2015

Next Scheduled EDR Contact: 02/08/2016
Data Release Frequency: Varies

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015 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: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 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: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

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: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 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: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

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: 06/26/2015 Date Data Arrived at EDR: 07/10/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 95

Source: Nuclear Regulatory Commission Telephone: 301-415-7169

Last EDR Contact: 09/03/2015

Next Scheduled EDR Contact: 12/21/2015 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant 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: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

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: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 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: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015

Data Release Frequency: Varies

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: 07/07/2015 Date Data Arrived at EDR: 07/09/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/19/2015 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

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: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015 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: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015

Data Release Frequency: Varies

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: 12/31/2013 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 08/28/2015

Next Scheduled EDR Contact: 12/07/2015 Data Release Frequency: Biennially

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: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-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: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 07/07/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 07/22/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 40

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 07/22/2015 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 40

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/22/2015 Data Release Frequency: Annually

US 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: 05/14/2015 Date Data Arrived at EDR: 06/03/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 91

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 09/01/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS Telephone: 703-648

Telephone: 703-648-7709 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 06/05/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

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: 07/20/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 55

Source: EPA

Telephone: (617) 918-1111 Last EDR Contact: 09/09/2015

Next Scheduled EDR Contact: 12/21/2015 Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 01/26/2015 Date Data Arrived at EDR: 01/27/2015 Date Made Active in Reports: 02/10/2015

Number of Days to Update: 14

Source: Department of Environmental Protection

Telephone: 617-292-5789 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015

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: 08/03/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 30

Source: Department of Environmental Protection

Telephone: 617-292-5633 Last EDR Contact: 08/03/2015

Next Scheduled EDR Contact: 11/02/2015

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: 08/31/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 09/22/2015

Number of Days to Update: 19

Source: Department of Environmental Quality

Telephone: 617-292-5979 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 11/16/2015

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: 06/11/2015

Next Scheduled EDR Contact: 09/28/2015 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: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Quarterly

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: 10/01/2014 Date Data Arrived at EDR: 10/30/2014 Date Made Active in Reports: 11/10/2014

Number of Days to Update: 11

Source: Department of Environmental Protection

Telephone: 617-292-5970 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

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: 08/07/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Varies

HW GEN: List of Massachusetts Hazardous Waste Generators

Permanent generator identification numbers for all Massachusetts generators of hazardous waste and waste oil that have registered with or notified MassDEP of their hazardous waste activities.

Date of Government Version: 09/25/2015 Date Data Arrived at EDR: 09/30/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 22

Source: Department of Environmental Protection

Telephone: 617-292-5500 Last EDR Contact: 09/30/2015

Next Scheduled EDR Contact: 01/11/2016 Data Release Frequency: Semi-Annually

LEAD: Lead Inspection Database

The Massachusetts Childhood Lead Poisoning Prevention Program data of lead inspection for the state.

Date of Government Version: 07/09/2015 Date Data Arrived at EDR: 07/15/2015 Date Made Active in Reports: 08/04/2015

Number of Days to Update: 20

Source: Department of Health & Human Services, Childhood Lead Poisoning Prevention Progr

Telephone: 617-624-5757 Last EDR Contact: 07/06/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

MERCURY: Mercury Product Recyling Drop-Off Locations Listing

A listing of locations, collecting and recycling for mercury-added products. Mercury is toxic to the human nervous system, as well as fish and animals. Mercury can enter the body either through skin absorption or through inhalation of mercury vapors. At room temperature, small beads of mercury will vaporize.

Date of Government Version: 08/28/2015 Date Data Arrived at EDR: 08/28/2015 Date Made Active in Reports: 09/22/2015

Number of Days to Update: 25

Source: Department of Environmental Protection

Telephone: 617-292-5632 Last EDR Contact: 08/24/2015

Next Scheduled EDR Contact: 12/07/2015

Data Release Frequency: Varies

NPDES: NPDES Permit Listing

Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.

Date of Government Version: 09/15/2015 Date Data Arrived at EDR: 09/18/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 34

Source: Department of Environmental Protection

Telephone: 508-767-2781 Last EDR Contact: 09/18/2015

Next Scheduled EDR Contact: 11/30/2015

Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 35

Source: Massachusetts Emergency Management Agency

Telephone: 508-820-2019 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 02/02/2015 Data Release Frequency: Annually

TSD: TSD Facility

List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 04/01/2015 Date Data Arrived at EDR: 06/30/2015 Date Made Active in Reports: 07/10/2015

Number of Days to Update: 10

Source: Department of Environmental Protection

Telephone: 617-292-5580 Last EDR Contact: 06/24/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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 Date to Haddet 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

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Last EDR Contact: N/A Date Made Active in Reports: N/A

Next Scheduled EDR Contact: N/A Number of Days to Update: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013

Number of Days to Update: 176

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013

Number of Days to Update: 176

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: MassDEP Telephone: 617-292-5907

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BOURNDALE ELEMENTARY SCHOOL 41 ERNEST VALERI RD BUZZARDS BAY, MA 02532

TARGET PROPERTY COORDINATES

Latitude (North): 41.7598 - 41° 45' 35.28" Longitude (West): 70.5805 - 70° 34' 49.80"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 368610.1 UTM Y (Meters): 4624101.5

Elevation: 72 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5642135 SAGAMORE, MA

Version Date: 2012

South Map: 5642133 POCASSET, MA

Version Date: 2012

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

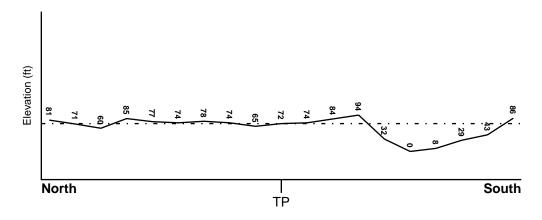
TOPOGRAPHIC INFORMATION

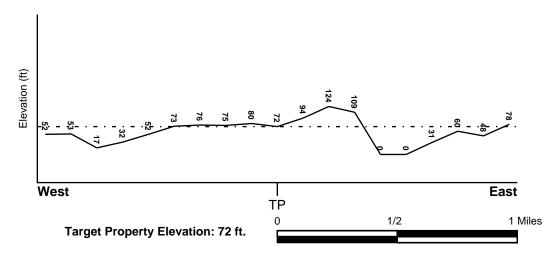
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood
Target Property County Electronic Data

BARNSTABLE, MA YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2552100005D - FEMA Q3 Flood data

Additional Panels in search area: 2552100002D - FEMA Q3 Flood data

2552100003D - FEMA Q3 Flood data 2552100006D - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

SAGAMORE 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.

 LOCATION
 GENERAL DIRECTION

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 The state of the

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

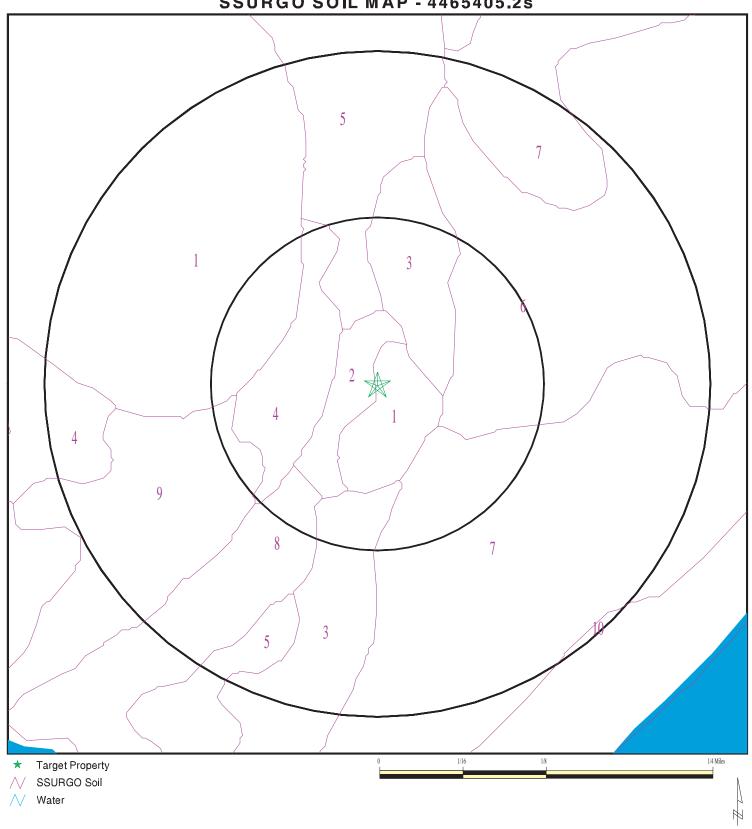
Era: Cenozoic Category: Stratifed Sequence

System: Quaternary Series: Pleistocene

Code: Qp (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 - 4465405.2s



SITE NAME: Bourndale Elementary School
ADDRESS: 41 Ernest Valeri Rd
Buzzards Bay MA 02532
LAT/LONG: 41.7598 / 70.5805

CLIENT: Fuss & O Neill, Inc. CONTACT: Adam Finkelman INQUIRY#: 4465405.2s

DATE: November 12, 2015 1:58 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: Barnstable

Soil Surface Texture: 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 | ndary | | Classi | Classification | | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | hydraulic conductivity micro m/sec | Oon Noadhon | | | | | |
| 1 | 0 inches | 1 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 5.5 Min: 3.6 | | | | | |
| 2 | 1 inches | 22 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 5.5 Min: 4.5 | | | | | |
| 3 | 22 inches | 64 inches | coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 6 Min: 4.5 | | | | | |

Soil Map ID: 2

Soil Component Name: Barnstable

Soil Surface Texture: 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 | | | Classif | Classification | | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | hydraulic conductivity micro m/sec | | | | | | |
| 1 | 0 inches | 1 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 5.5 Min: 3.6 | | | | | |
| 2 | 1 inches | 22 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 5.5 Min: 4.5 | | | | | |
| 3 | 22 inches | 64 inches | coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 6 Min: 4.5 | | | | | |

Soil Map ID: 3

Soil Component Name: Merrimac

Soil Surface Texture: 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 | | | | | | | | | | | |
|-------|------------------------|-----------|--------------------|--------------|--------------|--------------------------|--------------------|--|--|--|--|--|
| | Boundary | | | Classif | ication | Saturated hydraulic | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | Soil Reaction (pH) | | | | | |
| 1 | 0 inches | 3 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 6 Min: 3.6 | | | | | |
| 2 | 3 inches | 24 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 6 Min: 3.6 | | | | | |

| | Soil Layer Information | | | | | | | | | | |
|-------|------------------------|-----------|--|----------------|--------------|---------------------------|--------------------|--|--|--|--|
| | Boui | ndary | | Classification | | Saturated hydraulic | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | Soil Reaction (pH) | | | | |
| 3 | 24 inches | 64 inches | stratified very gravelly coarse sand to sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 6 Min: 3.6 | | | | |

Soil Map ID: 4

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: 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 | | | | | | | | | | | |
|-------|------------------------|-----------|----------------------------|--------------|----------------|------------------------------------|----------------------|--|--|--|--|--|
| | Boundary | | | Classi | Classification | | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | hydraulic conductivity micro m/sec | Soil Reaction (pH) | | | | | |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 | | | | | |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 | | | | | |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 3.6 | | | | | |

Soil Map ID: 5

Soil Component Name: Merrimac
Soil Surface Texture: 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 | | | | | | | | | | | |
|-------|------------------------|-----------|--|--------------|----------------|------------------------------------|--------------------|--|--|--|--|--|
| | Boundary | | | Classi | Classification | | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | hydraulic conductivity micro m/sec | | | | | | |
| 1 | 0 inches | 3 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 6 Min: 3.6 | | | | | |
| 2 | 3 inches | 24 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 6 Min: 3.6 | | | | | |
| 3 | 24 inches | 64 inches | stratified very gravelly coarse sand to sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 6 Min: 3.6 | | | | | |

Soil Map ID: 6

Soil Component Name: Barnstable

Soil Surface Texture: 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: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| | Soil Layer Information | | | | | | | | | | |
|-------|------------------------|----------|--------------------|----------------|--------------|--------------------------|----------------------|--|--|--|--|
| | Bou | ndary | | Classification | | Saturated hydraulic | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | Soil Reaction (pH) | | | | |
| 1 | 0 inches | 1 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 5.5 Min: 3.6 | | | | |

| | Soil Layer Information | | | | | | | | | | |
|-------|------------------------|-----------|--------------------|--------------|--------------|-----------------------------|----------------------|--|--|--|--|
| | Boui | ndary | | Classif | ication | Saturated hydraulic | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | conductivity micro m/sec | Oon Neaction | | | | |
| 2 | 1 inches | 22 inches | sandy loam | Not reported | Not reported | Max: 42.34 Min: 14.11 | Max: 5.5 Min: 4.5 | | | | |
| 3 | 22 inches | 64 inches | coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 6 Min: 4.5 | | | | |

Soil Map ID: 7

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| | Soil Layer Information | | | | | | | | | | | |
|-------|------------------------|-----------|----------------------------|--------------|----------------|------------------------------------|----------------------|--|--|--|--|--|
| | Boundary | | | Classi | Classification | | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | hydraulic conductivity micro m/sec | | | | | | |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 4.5 | | | | | |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 4.5 | | | | | |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 4.5 | | | | | |

Soil Map ID: 8

Soil Component Name: Carver

Soil Surface Texture: coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| | Soil Layer Information | | | | | | | | | | | |
|-------|------------------------|-----------|--------------------|--------------|--------------|-----------------------------|----------------------|--|--|--|--|--|
| | Boundary | | | Classif | fication | Saturated hydraulic | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | conductivity micro m/sec | | | | | | |
| 1 | 0 inches | 7 inches | coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 6 Min: 3.6 | | | | | |
| 2 | 7 inches | 16 inches | coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 3.6 | | | | | |
| 3 | 16 inches | 64 inches | coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 3.6 | | | | | |

Soil Map ID: 9

Soil Component Name: Plymouth

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: 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 | | | | | | | | | | | |
|-------|------------------------|-----------|----------------------------|--------------|--------------|---------------------------|----------------------|--|--|--|--|--|
| | Boundary | | | Classif | ication | Saturated hydraulic | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | Soil Reaction (pH) | | | | | |
| 1 | 0 inches | 3 inches | loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 | | | | | |
| 2 | 3 inches | 29 inches | gravelly loamy coarse sand | Not reported | Not reported | Max: 141.14 Min: 42.34 | Max: 5.5 Min: 3.6 | | | | | |

| | Soil Layer Information | | | | | | | | | | |
|---|------------------------|-----------|----------------------|--------------|--------------|-------------------------|----------------------|--|--|--|--|
| Boundary Classification Saturated hydraulic | | | | | | | | | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | Soil Reaction (pH) | | | | |
| 3 | 29 inches | 64 inches | gravelly coarse sand | Not reported | Not reported | Max: 705 Min: 141.14 | Max: 5.5 Min: 3.6 | | | | |

Soil Map ID: 10

Soil Component Name: Udipsamments

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

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 FROM TP

1 USGS40000459874 1/4 - 1/2 Mile SW

FEDERAL USGS WELL INFORMATION

| | | LOCATION |
|--------|-----------------|--------------------|
| MAP ID | WELL ID | FROM TP |
| | USGS40000459767 | 1/2 - 1 Mile SSE |
| A3 | USGS40000459768 | 1/2 - 1 Mile SSE |
| 4 | USGS40000459862 | 1/2 - 1 Mile ESE |
| B5 | USGS40000459730 | 1/2 - 1 Mile South |
| B6 | USGS40000459728 | 1/2 - 1 Mile South |
| B7 | USGS40000459729 | 1/2 - 1 Mile South |
| C8 | USGS40000459895 | 1/2 - 1 Mile West |
| 9 | USGS40000459956 | 1/2 - 1 Mile West |
| E12 | USGS40000459921 | 1/2 - 1 Mile West |
| 13 | USGS40000459890 | 1/2 - 1 Mile East |
| E16 | USGS40000459916 | 1/2 - 1 Mile West |
| 17 | USGS40000459942 | 1/2 - 1 Mile East |
| 18 | USGS40000459709 | 1/2 - 1 Mile SSW |
| 19 | USGS40000460044 | 1/2 - 1 Mile ENE |
| F20 | USGS40000459686 | 1/2 - 1 Mile SSW |
| F21 | USGS40000459685 | 1/2 - 1 Mile SSW |
| F22 | USGS40000459687 | 1/2 - 1 Mile SSW |
| F23 | USGS40000459689 | 1/2 - 1 Mile SSW |
| F24 | USGS40000459688 | 1/2 - 1 Mile SSW |
| G25 | USGS40000459727 | 1/2 - 1 Mile SE |
| G26 | USGS40000459725 | 1/2 - 1 Mile SE |
| G27 | USGS40000459726 | 1/2 - 1 Mile SE |
| 28 | USGS40000460361 | 1/2 - 1 Mile North |
| 29 | USGS40000460035 | 1/2 - 1 Mile ENE |
| F30 | USGS40000459672 | 1/2 - 1 Mile SSW |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------|---------------------|
| C15 | MA4036001 | 1/2 - 1 Mile West |

Note: PWS System location is not always the same as well location.

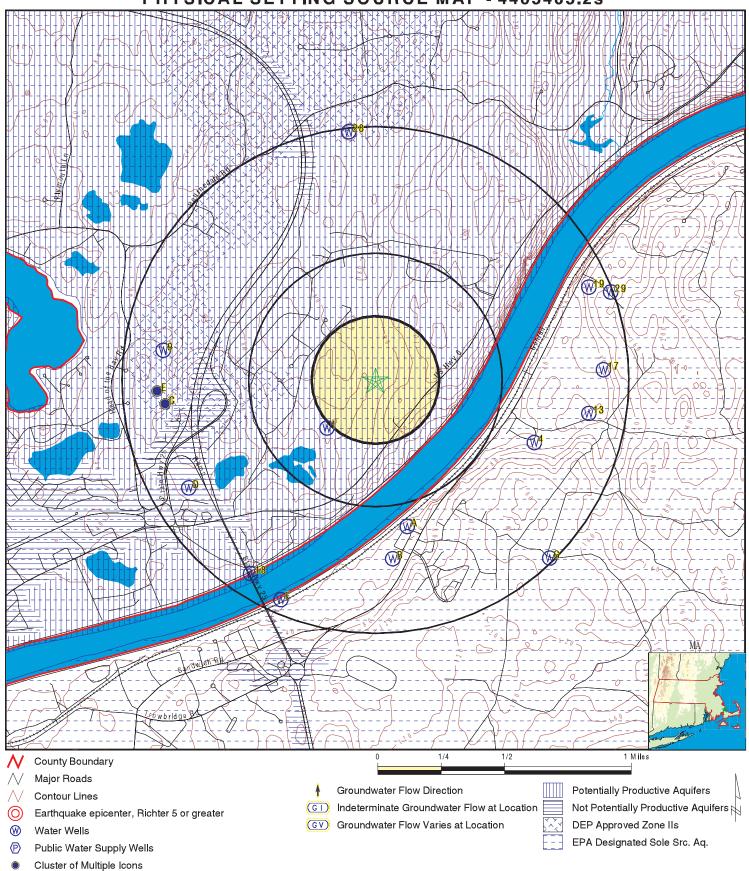
STATE DATABASE WELL INFORMATION

| MAP ID | WELL ID | FROM TP |
|--------|-----------------|-------------------|
| D10 | MA8000000003601 | 1/2 - 1 Mile WSW |
| D11 | MA800000002583 | 1/2 - 1 Mile WSW |
| E14 | MA800000005116 | 1/2 - 1 Mile West |

OTHER STATE DATABASE INFORMATION

| ACEC ID | AREA NAME |
|---------|-------------------------|
| 19 | HERRING RIVER WATERSHED |

PHYSICAL SETTING SOURCE MAP - 4465405.2s



SITE NAME: Bourndale Elementary School ADDRESS: 41 Ernest Valeri Rd

Buzzards Bay MA 02532 LAT/LONG: 41.7598 / 70.5805 CLIENT: Fuss & O Neill, Inc. CONTACT: Adam Finkelman INQUIRY#: 4465405.2s

DATE: November 12, 2015 1:58 pm

Map ID Direction Distance

Elevation Database EDR ID Number

1 SW FED USGS USGS40000459874

1/4 - 1/2 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414525070350501

Monloc name: MA-BHW 203

Monloc type: Well
Monloc desc: Not Rep

Not Reported 01090002 Drainagearea value: Not Reported Huc code: Contrib drainagearea: Not Reported Drainagearea Units: Not Reported 41.7570499 Contrib drainagearea units: Not Reported Latitude: Longitude: -70.5841971 Sourcemap scale: 24000 Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 40.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Not Reported

Construction date: 1953 Welldepth: 39

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

A2 SSE FED USGS USGS40000459767

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414505070344301 Monloc name: MA-BHW 501-0125 (MW-284M1)

Monloc type: Well

Monloc desc: CFC AGE-DATE SAMPLING

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7514195 Latitude: Longitude: -70.5780635 25000 Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 28.40 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 20030825 Welldepth: 125 Welldepth units: ft Wellholedepth: 146.5

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

FED USGS USGS40000459768 SSE

1/2 - 1 Mile Lower

> Org. Identifier: **USGS-MA**

Formal name: **USGS Massachusetts Water Science Center**

Monloc Identifier: USGS-414505070344302 Monloc name: MA-BHW 501-0055 (MW-284M2)

Monloc type:

CFC AGE-DATE SAMPLING Monloc desc:

Huc code: 01090002 Drainagearea value: Not Reported Contrib drainagearea: Drainagearea Units: Not Reported Not Reported Contrib drainagearea units: Not Reported 41.7514195 Latitude: Longitude: -70.5780635 25000 Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

NAD83 28.40 Horiz coord refsys: Vert measure val: Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

20030825 55 Welldepth: Construction date: Wellholedepth: 146.5 Welldepth units: ft

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

ESE **FED USGS** USGS40000459862

1/2 - 1 Mile Lower

> Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414522070340801

MA-BHW 139 Monloc name: Well Monloc type:

Monloc desc: Not Reported Huc code: 01090002

Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7562168 Longitude: -70.5683632 Sourcemap scale: 24000 Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

NAD83 Horiz coord refsys: Vert measure val: 35.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Interpolated from topographic map Vertcollection method:

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported

Aquifer type: Not Reported

Construction date: 19650624 Welldepth: 13.6 Welldepth units: ft Wellholedepth: 13.6

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to Date Surface Sealevel

1965-06-24

Note: The site was dry (no water level recorded).

B5 South FED USGS USGS40000459730 1/2 - 1 Mile

Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070344703 Monloc name: MA-BHW 500-0032 (MW-270S)

Monloc type: Well

Monloc desc: CFC AGE-DATE SAMPLING

Huc code: 01090002 Drainagearea value: Not Reported Not Reported Not Reported Drainagearea Units: Contrib drainagearea: Contrib drainagearea units: Not Reported Latitude: 41.749575 Longitude: -70.5791746 Sourcemap scale: 25000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 30.52 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 20030527 Welldepth: 32 Welldepth units: ft Wellholedepth: 139

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

B6 South FED USGS USGS40000459728

South 1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070344701 Monloc name: MA-BHW 500-0137 (MW-270D)

Monloc type: Well

Monloc desc: CFC AGE-DATE SAMPLING

Huc code:01090002Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:41.749575Longitude:-70.5791746Sourcemap scale:25000

Horiz Acc measure: 1 Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 30.52 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 20030527 Welldepth: 137 Welldepth units: ft Wellholedepth: 139

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

B7
South
1/2 - 1 Mile
FED USGS USGS40000459729

1/2 - 1 N Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070344702 Monloc name: MA-BHW 500-0079 (MW-270M1)

Monloc type: Well

Monloc desc: CFC AGE-DATE SAMPLING

01090002 Huc code: Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7495723 -70.5791746 25000 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 30.52 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 20030527 Welldepth: 79 Welldepth units: ft Wellholedepth: 139

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

West FED USGS USGS40000459895 1/2 - 1 Mile

Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414529070354801

Monloc name: MA-BHW 201

Monloc type: Well

Monloc desc: Not Reported

Huc code:01090002Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:41.7581609Longitude:-70.596142Sourcemap scale:24000

Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Not Reported

Construction date: 1953 Welldepth: 54

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

9
West FED USGS USGS40000459956

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414541070355001

Monloc name: MA-BHW 202

Monloc type: Well

Monloc desc: Not Reported

01090002 Huc code: Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7614942 -70.5966976 24000 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 10.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Not Reported

Construction date: 1953 Welldepth: 49

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

D10
WSW
MA WELLS MA800000003601

1/2 - 1 Mile Lower

> Fid: 3600 Fac name: Not Reported Not Reported **BOURNE** Address: Town: Region: Southeast Rtn: Not Reported Hw id: Not Reported Sw id: Not Reported Npdes id: Sseis id: Not Reported Not Reported Gwd: Not Reported Air: Hwr: Not Reported Lqg ma: Not Reported Lqg rcra: Not Reported Lqtu: Not Reported Tsdf: Not Reported Swd: Not Reported Fac id: 0 Source id: 4036007-02G

Site name: SANDYS RESTAURANT

Latitude: 41.75364844 Longitude: -70.59476759

Type: Transient Non-Community Zii num: 0

Pws id: 4036007 Site id: MA8000000003601

Objectid: 501 Source id: 4036007-02G

 L base:
 PTQ
 L acc est:
 500

 L type:
 GW
 L meth:
 MAP

L src 1: MS_USGS L src 2: Not Reported

L src 3: Not Reported

Objectid: 674 Source id: 4036007-02G SANDYS RESTAURANT Pws name: S name: WELL#2 Pws status: S status: Active Α **INACT** Pws class: Transient Non Community S availabi:

D11 WSW 1/2 - 1 Mile Lower

MA WELLS MA800000002583

2582 Fid: Fac name: Not Reported **BOURNE** Address: Not Reported Town: Region: Southeast Rtn: Not Reported Hw id: Not Reported Sw id: Not Reported Npdes id: Not Reported Sseis id: Not Reported Air: Gwd: Not Reported Not Reported Hwr: Lqg ma: Not Reported Lqg rcra: Not Reported Lqtu: Not Reported Tsdf: Not Reported Swd: Not Reported 4036007-01G Fac id: 0 Source id:

Site name: SANDYS RESTAURANT

Latitude: 41.75360885

Longitude: -70.59474184

Type: Transient Non-Community Zii num: 0

Pws id: 4036007 Site id: MA8000000002583

Objectid: 1000 Source id: 4036007-01G L base: NA L acc est: 100 GP_6 L type: GW L meth: Not Reported L src 1: SV L src 2:

L src 3: Not Reported

Objectid: 673 Source id: 4036007-01G Pws name: SANDYS RESTAURANT S name: WELL # 1

Pws status: Active S status: I

Pws class: Transient Non Community S availabi: INACT

E12 West 1/2 - 1 Mile Lower

FED USGS USGS40000459921

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414533070355101

Monloc name: MA-BHW 200

Monloc type: Well

Monloc desc: Not Reported

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.759272 Latitude: -70.5969753 24000 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 32.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

Construction date: Not Reported Welldepth: 37

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to Surface Sealevel

Date Surface Sealevel

1955-08-01 7.00

13
East FED USGS USGS40000459890
1/2 - 1 Mile

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414528070335301

Monloc name: MA-BHW 140
Monloc type: Well
Monloc desc: Not Reported

01090002 Not Reported Huc code: Drainagearea value: Not Reported Not Reported Drainagearea Units: Contrib drainagearea: Contrib drainagearea units: Not Reported Latitude: 41.7578835 -70.5641964 24000 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 50.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported

Aquifer type: Not Reported

Construction date: 19650625 Welldepth: 40 Welldepth units: ft Wellholedepth: 40

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1965-06-25 12.00

E14
West MA800000005116
1/2 - 1 Mile

Swd:

Lower

Tsdf:

Fid: 5115 Fac name: Not Reported Not Reported **BOURNE** Address: Town: Southeast Not Reported Region: Rtn: Hw id: Not Reported Sw id: Not Reported Sseis id: Npdes id: Not Reported Air: Not Reported Gwd: Not Reported Hwr: Not Reported Lqg ma: Not Reported Not Reported Not Reported Lqg rcra: Lqtu:

Fac id: 0 Source id: Site name: PUMP STATION 2

Not Reported

Latitude: 41.75925372 Longitude: -70.59700077

Type: Community groundwater well Zii num: 190

Pws id: 4036001 Site id: MA8000000005116

 Objectid:
 2550
 Source id:
 4036001-02G

 L base:
 DOO
 L acc est:
 100

L base: DOQ L acc est: 100 L type: PH L meth: PHO

L src 1: AP_DOQ L src 2: Not Reported

L src 3: Not Reported

Objectid: 664 Source id: 4036001-02G
Pws name: BUZZARDS BAY WATER DISTRISTAME: PUMP STATION 2

Pws status: Active S status: A

Pws class: Community surface and groundwateavsailarbies ACTIVE

Objectid: 297 Town: BOURNE

Wellname: WELL #2 Source typ: WELL

Purveyor: BUZZARDS BAY WATER DIST. Basin: BUZZARDS BAY

Region: Southeast Method: ANALYTICAL/QUICKFLOW

UNCONFINED Aquifer: Prg: TA 14-JAN-94 Sub date: 22-OCT-93 App date: Current Gpm: 320 Status: Whp cntrl: В System: Community Bylaw date: 10-MAY-93 Zii num: 190

Pwsid: 4036001 Source id: 4036001-02G

Not Reported

4036001-02G

Map ID Direction Distance

Elevation Database EDR ID Number

C15
West FRDS PWS MA4036001

1/2 - 1 Mile Lower

Epa region: 01 State: MA

Pwsid: MA4036001

Pwsname: BUZZARDS BAY WATER DISTRICT

MA City served: Not Reported State served: Zip served: Not Reported Fips county: 25001 Status: Active Pop srvd: 7700 Pwssvcconn: 2503 Source: Groundwater **CWS** Owner: Local_Govt Pws type:

Contact: STEVEN A SOUZA

Contactor gname: BUZZARDS BAY WATER DISTRICT

Contact phone: 5087594631 Contact address1: P.O. BOX 243
Contact address2: Not Reported Contact city: BUZZARDS BAY

Contact state: MA Contact zip: 02532

Activity code: A

Facid: 11

Facname: PUMP STATION 1

Facility type: Treatment_plant Activity code: A

Treatment obj: corrosion control Treatment process: ph adjustment

Facid: 12

Facname: PUMP STATION 2

Facility type: Treatment_plant Activity code: A

Treatment obj: corrosion control Treatment process: ph adjustment

Facid: 13

Facname: PUMP STATION 3

Facility type: Treatment_plant Activity code: A

Treatment obj: corrosion control Treatment process: ph adjustment

Facid: 14

Facname: PUMP STATION 4

Facility type: Treatment_plant Activity code: A

Treatment obj: corrosion control Treatment process: ph adjustment

Location Information:

Name: BUZZARDS BAY WATER DISTRICT

Pwstypcd: CWS Primsrccd: GW

Popserved: 7700

Add1: P.O. BOX 243
Add2: Not Reported

City: BUZZARDS BAY State: MA

 Zip:
 02532
 Phone:
 5087594631

 Cityserv:
 BOURNE
 Cntyserv:
 Barnstable

 Stateserv:
 MA
 Zipserv:
 02532

Enforcement Information:

Violation id: Not Reported Orig cd: S

Enf fy: 2009 Enf act date: 09/16/2009 Enf act detail: St AO (w/o penalty) issued Enf act cat: Not Reported

Enforcement Information:

Violation id: 8 Orig cd: S

Enf fy: 2014 Enf act date: 11/29/2013 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 8 Orig cd: S

Enf fy: 2014 Enf act date: 11/29/2013 Enf act detail: St Compliance achieved Enf act cat: Resolving

Enforcement Information:

Violation id: 7 Orig cd: S

Enf fy: 2013 Enf act date: 02/21/2013 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 7 Orig cd: S

Enf fy:2013Enf act date:02/21/2013Enf act detail:St Compliance achievedEnf act cat:Resolving

Enforcement Information:

Violation id: 6 Orig cd: S

Enf fy: 2012 Enf act date: 11/29/2011 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 6 Orig cd: S

Enf fy: 2012 Enf act date: 11/29/2011 Enf act detail: St Compliance achieved Enf act cat: Resolving

Enforcement Information:

Violation id: 5 Orig cd: S

Enf fy: 2011 Enf act date: 02/18/2011 Enf act detail: St Compliance achieved Enf act cat: Resolving

Enforcement Information:

Violation id: 5 Orig cd: S

Enf fy: 2011 Enf act date: 02/18/2011 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 4 Orig cd: S

Enf fy: 2011 Enf act date: 11/15/2010 Enf act detail: St AO (w/o penalty) issued Enf act cat: Formal

Enforcement Information:

Violation id: 4 Orig cd: S

Enf fy: 2011 Enf act date: 11/15/2010 Enf act detail: St Compliance achieved Enf act cat: Resolving

Enforcement Information:

Violation id: 3 Orig cd:

Enf fy: 2010 Enf act date: 02/25/2010 Enf act detail: St AO (w/o penalty) issued Enf act cat: **Formal**

Enforcement Information:

Orig cd: Violation id:

Enf fy: 2010 Enf act date: 02/25/2010 Enf act detail: St Compliance achieved Enf act cat: Resolving

Enforcement Information:

Violation id: 2 Orig cd: S

Enf fy: 2008 Enf act date: 01/07/2008 Enf act detail: St Compliance achieved Enf act cat: Resolving

Enforcement Information:

Violation id: Orig cd:

2008 11/14/2007 Enf fy: Enf act date: St AO (w/o penalty) issued Enf act detail: Enf act cat: Formal

Enforcement Information:

Violation id: Orig cd:

Enf fy: 2007 Enf act date: 11/15/2006 Enf act cat: Enf act detail: St AO (w/o penalty) issued **Formal**

Violations Information:

S 8 Orig cd: Violoation id: MA 2013 State: Viol fy:

Contamcd: 3100 Coliform (TCR) Contamnm:

Viol code:

Viol name: MCL, Monthly (TCR)

Rule code: 110 Rule name: **TCR**

Violmeasur: Not Reported Unitmeasur: Not Reported State mcl: Not Reported Cmpbdt: 08/01/2013

08/31/2013 Cmpedt:

Violations Information:

Violoation id: 7 Orig cd: S State: MA Viol fy: 2012

Contamcd: 3100

Coliform (TCR) Contamnm:

Viol code:

Viol name: MCL, Monthly (TCR)

Rule code: **TCR** Rule name:

Not Reported Unitmeasur: Not Reported Violmeasur: Not Reported 10/01/2012 State mcl: Cmpbdt:

Cmpedt: 10/31/2012

Violations Information:

Violoation id: 6 Orig cd: S State: MA Viol fy: 2011

Contamcd: 3100

Contamnm: Coliform (TCR)

Viol code: 22

Viol name: MCL, Monthly (TCR)

Rule code: 110 Rule name: TCR

Not Reported Unitmeasur: Not Reported Violmeasur:

State mcl: Not Reported Cmpbdt: 09/01/2011

Cmpedt: 09/30/2011

Violations Information:

Violoation id:5Orig cd:SState:MAViol fy:2010

Contamcd: 3100

Contamnm: Coliform (TCR)

Viol code: 22

Viol name: MCL, Monthly (TCR)

Rule code: 110

Rule name: TCR

Violmeasur:Not ReportedUnitmeasur:Not ReportedState mcl:Not ReportedCmpbdt:12/01/2010

Cmpedt: 12/31/2010

Violations Information:

Violoation id:4Orig cd:SState:MAViol fy:2010Contamcd:3100

Contamnm: Coliform (TCR)

Viol code: 22

Viol name: MCL, Monthly (TCR)

Rule code: 110 Rule name: TCR

Violmeasur:Not ReportedUnitmeasur:Not ReportedState mcl:Not ReportedCmpbdt:08/01/2010

Cmpedt: 08/31/2010

Violations Information:

 Violoation id:
 3
 Orig cd:
 S

 State:
 MA
 Viol fy:
 2009

Contamcd: 3100

Contamnm: Coliform (TCR)

Viol code: 22

Viol name: MCL, Monthly (TCR)

Rule code: 110

Rule name: TCR

Violmeasur:Not ReportedUnitmeasur:Not ReportedState mcl:Not ReportedCmpbdt:12/01/2009

Cmpedt: 12/31/2009

Violations Information:

Violoation id:2Orig cd:SState:MAViol fy:2007

Contamcd: 5000

Contamnm: Lead and Copper Rule

Viol code: 52

Viol name: Follow-up Or Routine LCR Tap M/R

Rule code: 350 Rule name: LCR

Violmeasur:Not ReportedUnitmeasur:Not ReportedState mcl:Not ReportedCmpbdt:10/01/2007

Cmpedt: Not Reported

Violations Information:

Violoation id:1Orig cd:SState:MAViol fy:2006

Contamcd: 1040 Contamnm: Nitrate Viol code: 03

Viol name: Monitoring, Regular

Rule code: 331
Rule name: Nitrates
Violmeasur: Not Reported

Violmeasur:Not ReportedUnitmeasur:Not ReportedState mcl:Not ReportedCmpbdt:04/01/2006

Cmpedt: 06/30/2006

PWS ID: MA4036001

Date Initiated: Not Reported Date Deactivated: Not Reported

PWS Name: BUZZARDS BAY WATER DISTRICT

15 WALLACE AVENUE

BUZZARDS BAY, MA 025320000

Addressee / Facility: Mailing

BUZZARDS BAY WATER DISTRICT

P O BOX 243

BUZZARDS BAY, MA 025320000

Facility Latitude: 41 45 31.0000 Facility Longitude: 70 35 51.0000 Facility Latitude: 40 46 27.0000 Facility Longitude: 70 35 0.0000 Facility Latitude: 41 46 33.0000 Facility Longitude: 70 34 44.0000 Facility Latitude: 41 46 33.0000 Facility Longitude: 70 35 22.0000

City Served: Not Reported

Treatment Class: Mixed (treated and untreated) Population: 7500

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate: 03/31/2009 Pwsid: MA4036001

Pwsname: BUZZARDS BAY WATER DISTRICT

Retpopsrvd: 7700 Pwstypecod: C

Vioid: 1 Contaminant: NITRATE

Viol. Type: 3

Complperbe: 4/1/2006 0:00:00

Complperen: 6/30/2006 0:00:00 Enfdate: 11/15/2006 0:00:00

Enf action: State Formal NOV Issued

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: MA4036001

Pwsname: BUZZARDS BAY WATER DISTRICT

Retpopsrvd: 7700 Pwstypecod: C

Vioid: 2 Contaminant: LEAD & COPPER RULE

Viol. Type: Follow-up and Routine Tap Sampling

Complperbe: 10/1/2007 0:00:00

Complperen: 1/7/2008 0:00:00 Enfdate: 11/14/2007 0:00:00

Enf action: State Formal NOV Issued

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: MA4036001

Pwsname: BUZZARDS BAY WATER DISTRICT

Retpopsrvd: 7700 Pwstypecod: 0

Vioid: 2 Contaminant: LEAD & COPPER RULE

Viol. Type: Follow-up and Routine Tap Sampling

Complperbe: 10/1/2007 0:00:00

Complperen: 1/7/2008 0:00:00 Enfdate: 1/7/2008 0:00:00

Enf action: State Compliance Achieved

Violmeasur: Not Reported

System Name: BUZZARDS BAY WATER DISTRICT

Violation Type: 3

Contaminant: NITRATE

Compliance Period: 4/1/2006 0:00:00 - 6/30/2006 0:00:00

Violation ID:

Enforcement Date: 11/15/2006 0:00:00 Enf. Action: State Formal NOV Issued

System Name: BUZZARDS BAY WATER DISTRIC

Violation Type: MCL, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1995-11-01 - 1995-11-30

Violation ID: 9600001V

Enforcement Date: 1996-01-04 Enf. Action: State Compliance Achieved

CONTACT INFORMATION:

Lower

Name: BUZZARDS BAY WATER DISTRICT Population: 7700

Contact: BARRY WOODS Phone: Not Reported

Address: PO BOX 243
Address 2: BUZZARDS BAY
MA, 02 50875

E16
West FED USGS USGS40000459916
1/2 - 1 Mile

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414532070355301

Monloc name: MA-BHW 304
Monloc type: Well
Manage decay Well

Monloc desc: Not Reported Huc code: 01090002

Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7589942 Latitude: Longitude: -70.5975309 Sourcemap scale: 25000 Horiz Acc measure: Unknown Horiz Acc measure units: Unknown

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 8.47 Vert measure units: Vertacc measure val: 1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

Construction date: 19531012 Welldepth: 53
Welldepth units: ft Wellholedepth: 53

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 3

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1985-08-02 9.44

Note: A nearby site that taps the same aquifer was being pumped.

1958-07-11 4.17 1953-11-12 5.29

17 East FED USGS USGS40000459942

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414537070334901

Monloc name: MA-BHW 141

Monloc type: Well

Monloc desc: Not Reported Huc code: 01090002

Not Reported Drainagearea value: Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7603835 Longitude: -70.5630853 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 62.00 Vert measure units: 62.00 Vert measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported Aquifer type: Not Reported

Construction date: 19650625 Welldepth: 9.2 Welldepth units: ft Wellholedepth: 9.2

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to Date Surface Sealevel

1965-06-25

Note: The site was dry (no water level recorded).

8 SSW FED USGS USGS40000459709

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414455070352601

Monloc name: MA-BHB 5
Monloc type: Well
Monloc desc: Not Reported

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7487166 Latitude: -70.5900305 24000 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 1.00 Vert measure units: 5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported Aquifer type: Not Reported

Construction date: 1933 Welldepth: 118 Welldepth units: ft Wellholedepth: 118

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

19
ENE FED USGS USGS40000460044

1/2 - 1 Mile Higher

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414554070335301 Monloc name: MA-BHW 434-0154

Monloc type: Well

Monloc desc: Not Reported 01090002 Huc code: Drainagearea value: Not Reported Contrib drainagearea: Drainagearea Units: Not Reported Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7651056 Longitude: -70.5641965 Sourcemap scale: 25000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 95.70 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Moraine Deposits, Except Ground Moraine and Drumlins

Aquifer type: Unconfined single aquifer

Construction date: 19880927 Welldepth: 154
Welldepth units: ft Wellholedepth: 154.5

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1988-10-18 89.89

F20 SSW FED USGS USGS40000459686

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351702

Monloc name: MA-BHW 217

Monloc type: Well

Monloc desc: Not Reported

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7473278 -70.5875304 24000 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

Construction date: 19750625 Welldepth: 75
Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

1977-03-31 6.65

Note: The water level was affected by stage in nearby surface-water site. 1976-11-30 7.20

Note: The water level was affected by stage in nearby surface-water site. 1976-10-28 7.27

Note: The water level was affected by stage in nearby surface-water site. 1976-09-29 7.76

Note: The water level was affected by stage in nearby surface-water site. 1976-08-24 7.30

Note: The water level was affected by stage in nearby surface-water site. 1976-07-27 7.07

Note: The water level was affected by stage in nearby surface-water site. 1976-06-30 6.10

Note: The water level was affected by stage in nearby surface-water site. 1976-05-25 6.16

Note: The water level was affected by stage in nearby surface-water site. 1976-05-04 8.47

Note: The water level was affected by stage in nearby surface-water site. 1976-03-23 7.83

Note: The water level was affected by stage in nearby surface-water site.

Ground-water levels, continued.

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1976-02-24 6.74

Note: The water level was affected by stage in nearby surface-water site.

1976-01-20 5.69

Note: The water level was affected by stage in nearby surface-water site.

1975-12-15 6.07

Note: The water level was affected by stage in nearby surface-water site.

1975-11-24 7.17

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 5.58

Note: The water level was affected by stage in nearby surface-water site.

F21 SSW FED USGS USGS40000459685 1/2 - 1 Mile

Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351701

Monloc name: MA-BHW 216

Monloc type: Well

Monloc desc: Not Reported

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7473278 Longitude: -70.5875304 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

Construction date: 19750625 Welldepth: 97
Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 16

Feet below Feet to Feet below Feet to

Date Surface Sealevel Date Surface Sealevel

1977-03-31 6.60

Note: The water level was affected by stage in nearby surface-water site.

1976-11-30 7.19

Note: The water level was affected by stage in nearby surface-water site.

1976-10-28 7.32

Note: The water level was affected by stage in nearby surface-water site.

1976-09-29 8.09

Note: The water level was affected by stage in nearby surface-water site.

1976-08-24 7.20

Note: The water level was affected by stage in nearby surface-water site.

1976-07-27 7.30

Note: The water level was affected by stage in nearby surface-water site.

Ground-water levels, continued.

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1976-06-30 6.10

Note: The water level was affected by stage in nearby surface-water site.

1976-05-25 6.14

Note: The water level was affected by stage in nearby surface-water site.

1976-05-04 8.36

Note: The water level was affected by stage in nearby surface-water site.

1976-03-23 7.73

Note: The water level was affected by stage in nearby surface-water site.

1976-02-24 6.60

Note: The water level was affected by stage in nearby surface-water site.

1976-01-20 5.91

Note: The water level was affected by stage in nearby surface-water site.

1975-12-15 6.03

Note: The water level was affected by stage in nearby surface-water site.

1975-11-25 7.12

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 5.57

Note: The water level was affected by stage in nearby surface-water site.

1975-09-30 7.70

Lower

Note: The water level was affected by stage in nearby surface-water site.

F22 SSW FED USGS USGS40000459687 1/2 - 1 Mile

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351703

Monloc name: MA-BHW 218

Monloc type: Well

Monloc desc: Not Reported Huc code: 01090002

Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7473278 Longitude: -70.5875304 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

Aquifer type: Unconfined single aquifer

Construction date: 19750625 Welldepth: 58 Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

1977-03-31 6.76

Note: The water level was affected by stage in nearby surface-water site.

Ground-water levels, continued.

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1976-11-30 7.25

Note: The water level was affected by stage in nearby surface-water site.

1976-10-28 7.35

Note: The water level was affected by stage in nearby surface-water site.

1976-09-29 8.13

Note: The water level was affected by stage in nearby surface-water site.

1976-08-24 7.26

Note: The water level was affected by stage in nearby surface-water site.

1976-07-27 6.59

Note: The water level was affected by stage in nearby surface-water site.

1976-06-30 6.16

Note: The water level was affected by stage in nearby surface-water site.

1976-05-25 6.20

Note: The water level was affected by stage in nearby surface-water site.

1976-05-04 8.39

Note: The water level was affected by stage in nearby surface-water site.

1976-03-23 7.77

Note: The water level was affected by stage in nearby surface-water site.

1976-02-24 6.66

Note: The water level was affected by stage in nearby surface-water site.

1976-01-20 6.07

Note: The water level was affected by stage in nearby surface-water site.

1975-12-15 6.11

Note: The water level was affected by stage in nearby surface-water site.

1975-11-24 7.21

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 5.48

Note: The water level was affected by stage in nearby surface-water site.

F23 SSW 1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351705

Monloc name: MA-BHW 220

Monloc type: Well

Monloc desc: Not Reported

01090002 Not Reported Huc code: Drainagearea value: Drainagearea Units: Not Reported Contrib drainagearea: Not Reported 41.7473278 Contrib drainagearea units: Not Reported Latitude: 24000 -70.5875304 Longitude: Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Stratified Deposits, Undifferentiated

FED USGS

USGS40000459689

Aquifer type: Unconfined single aquifer

Construction date: 19750625 Welldepth: 22
Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1977-03-31 8.22

Note: The water level was affected by stage in nearby surface-water site.

1976-11-30 8.84

Note: The water level was affected by stage in nearby surface-water site.

1976-10-28 8.87

Note: The water level was affected by stage in nearby surface-water site.

1976-09-29 9.52

Note: The water level was affected by stage in nearby surface-water site.

1976-08-24 8.66

Note: The water level was affected by stage in nearby surface-water site.

1976-07-27 7.90

Note: The water level was affected by stage in nearby surface-water site.

1976-06-30 7.85

Note: The water level was affected by stage in nearby surface-water site.

1976-05-25 7.91

Note: The water level was affected by stage in nearby surface-water site.

1976-05-04 9.81

Note: The water level was affected by stage in nearby surface-water site.

1976-03-23 9.15

Note: The water level was affected by stage in nearby surface-water site.

1976-02-24 8.18

Note: The water level was affected by stage in nearby surface-water site.

1976-01-20 7.55

Note: The water level was affected by stage in nearby surface-water site.

1975-12-15 7.78

Note: The water level was affected by stage in nearby surface-water site.

1975-11-24 8.78

Note: The water level was affected by stage in nearby surface-water site.

1975-11-04 7.02

Lower

Note: The water level was affected by stage in nearby surface-water site.

F24
SSW
FED USGS USGS40000459688
1/2 - 1 Mile

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414450070351704

Monloc name: MA-BHW 219

Monloc type: Well

Monloc desc: Not Reported

Huc code:01090002Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:41.7473278Longitude:-70.5875304Sourcemap scale:24000

Horiz Acc measure: 1 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 20.40 Vert measure units: feet Vertacc measure val: .5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Moraine Deposits, Except Ground Moraine and Drumlins

Aquifer type: Not Reported

Construction date: 19750625 Welldepth: 37 Welldepth units: ft Wellholedepth: 102

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 15

Feet below Feet to Feet below Feet to
Date Surface Sealevel Date Surface Sealevel

1977-03-31 7.50

Note: Other conditions existed that would affect the measured water level.

1976-11-30 8.16

Note: Other conditions existed that would affect the measured water level.

1976-10-28 7.84

Note: Other conditions existed that would affect the measured water level.

1976-09-29 8.22

Note: Other conditions existed that would affect the measured water level.

1976-08-24 8.09

Note: Other conditions existed that would affect the measured water level.

1976-07-27 6.85

Note: Other conditions existed that would affect the measured water level.

1976-06-30 8.00

Note: Other conditions existed that would affect the measured water level.

1976-05-25 7.81

Note: Other conditions existed that would affect the measured water level.

1976-05-04 7.98

Note: Other conditions existed that would affect the measured water level.

1976-03-23 7.50

Note: Other conditions existed that would affect the measured water level.

1976-02-24 7.44

Note: Other conditions existed that would affect the measured water level.

1976-01-20 7.52

Note: Other conditions existed that would affect the measured water level.

1975-12-15 7.93

Note: Other conditions existed that would affect the measured water level.

1975-11-24 7.96

Note: Other conditions existed that would affect the measured water level.

1975-11-04 7.86

Note: Other conditions existed that would affect the measured water level.

G25 SE FED USGS USGS40000459727

1/2 - 1 Mile Higher

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070340303 Monloc name: MA-BHW 497-0136 (MW-66S)

Monloc type: Well

Monloc desc: CFC AGE-DATE SAMPLING

Huc code: 01090002 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7496169 Latitude: 25000 Longitude: -70.5671909 Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 153.74 Vert measure units: Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Differential Global Positioning System (GPS)r
Vert coord refsys: NGVD29 Countrycode:

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 19990910 Welldepth: 136 Welldepth units: ft Wellholedepth: 246

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

G26 SE FED USGS USGS40000459725

US

1/2 - 1 Mile Higher

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070340301 Monloc name: MA-BHW 497-0238 (MW-66M1)

Monloc type: Well

Monloc desc: CFC AGE-DATE SAMPLING

Huc code: 01090002 Drainagearea value: Not Reported Contrib drainagearea: Drainagearea Units: Not Reported Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7496085 Longitude: -70.5671909 Sourcemap scale: 25000 .01 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 153.74 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 19990910 Welldepth: 238 Welldepth units: ft Wellholedepth: 246

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance

Elevation Database EDR ID Number

SE 1/2 - 1 Mile FED USGS USGS40000459726

US

1/2 - 1 Mile Higher

G27

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414458070340302
Monloc name: MA-BHW 497-0151 (MW-66M2)
Monloc type: Well
Monloc desc: CFC AGE-DATE SAMPLING

01090002 Drainagearea value: Not Reported Huc code: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: 41.7496085 Contrib drainagearea units: Not Reported Latitude: Longitude: -70.5671798 Sourcemap scale: 25000 Horiz Acc measure: .01 Horiz Acc measure units: seconds

Horiz Collection method: Differentially corrected Global Positioning System (DGPS)

Horiz coord refsys: NAD83 Vert measure val: 153.74 Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Differential Global Positioning System (GPS)r

Vert coord refsys: NGVD29 Countrycode:

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Outwash

Aquifer type: Unconfined single aquifer

Construction date: 19990910 Welldepth: 151 Welldepth units: ft Wellholedepth: 246

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

28 North FED USGS USGS40000460361

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414626070345901

Monloc name: MA-BHW 74
Monloc type: Well
Monloc desc: Not Reported

01090002 Drainagearea value: Not Reported Huc code: Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 41.7739942 Latitude: Longitude: -70.5825306 24000 Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 30.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Not Reported Formation type: Not Reported

Aquifer type: Not Reported

Construction date: 1970 Welldepth: 63

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to

Date Surface Sealevel

1970-07-01 2.00

29 ENE FED USGS USGS40000460035

1/2 - 1 Mile Higher

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414553070334701 Monloc name: MA-BHW 428-0051

Monloc type: Well: Test hole not completed as a well

Monloc desc: Not Reported

01090002 Huc code: Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 41.7648279 Longitude: -70.5625298 Sourcemap scale: 25000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 115.3

Vert measure units: feet Vertacc measure val: 0.1

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Moraine Deposits, Except Ground Moraine and Drumlins

Aquifer type: Unconfined single aquifer

Construction date: 19880816 Welldepth: Not Reported

Welldepth units: Not Reported Wellholedepth: 51

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

F30 SSW FED USGS USGS40000459672

1/2 - 1 Mile Lower

Org. Identifier: USGS-MA

Formal name: USGS Massachusetts Water Science Center

Monloc Identifier: USGS-414448070352101

Monloc name: MA-BHB 13
Monloc type: Well
Monloc desc: Not Reported

Huc code:01090002Drainagearea value:Not ReportedDrainagearea Units:Not ReportedContrib drainagearea:Not ReportedContrib drainagearea units:Not ReportedLatitude:41.7467722Longitude:-70.5886416Sourcemap scale:24000

Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 11.00 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Level or other surveying method

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Not Reported Aquifer type: Not Reported

Construction date: 19330101 Welldepth: 120 Welldepth units: ft Wellholedepth: 120

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Database EDR ID Number

MA_ACECS_ID 19

ACEC ID: 19 Area Name: HERRING RIVER WATERSHED

Responsible Agency: CZM Polygon Acreage: 4,444.8

Designation Date: 11/5/91 Secretary who signed: SUSAN F. TIERNEY

CZM Compliance Date: 1/24/92 Region: COASTAL

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

% of sites>4 pCi/L County Median

BARNSTABLE 15 1.6

Federal EPA Radon Zone for BARNSTABLE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 02532

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 1.900 pCi/L 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.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: MassDEP Telephone: 617-292-5907

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R 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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Bourndale Elementary School

41 Ernest Valeri Rd Buzzards Bay, MA 02532

Inquiry Number: 4465405.3

November 12, 2015

Certified Sanborn® Map Report



Certified Sanborn® Map Report

11/12/15

Site Name:Bourndale Elementary School

41 Ernest Valeri Rd Buzzards Bay, MA 02532 Client Name:

Fuss & O'Neill, Inc. 317 Iron Horse Way Providence, RI 02908

EDR Inquiry # 4465405.3 Contact: Adam Finkelman



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Fuss & O'Neill, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Bourndale Elementary School

Address: 41 Ernest Valeri Rd City, State, Zip: Buzzards Bay, MA 02532

Cross Street:

P.O. # 129720150666.A10

Project: Bournedale Elementary School

Certification # C223-470B-B5AA



Sanborn® Library search results Certification # C223-470B-B5AA

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 fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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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Bourndale Elementary School 41 Ernest Valeri Rd Buzzards Bay, MA 02532

Inquiry Number: 4465405.4

November 12, 2015

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

11/12/15

Site Name:

Bourndale Flementary School

Bourndale Elementary School 41 Ernest Valeri Rd Buzzards Bay, MA 02532 EDR Inquiry # 4465405.4 Client Name:

Fuss & O'Neill, Inc. 317 Iron Horse Way Providence, RI 02908 Contact: Adam Finkelman



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Fuss & O'Neill, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

| Search | Results: | |
|--------|----------|--|
| | | |

Site Name: Bourndale Elementary School

Address: 41 Ernest Valeri Rd

City, State, Zip: Buzzards Bay, MA 02532

P.O.# 129720150666.A10

Project: Bournedale Elementary School

Coordinates:

Latitude: 41.7598 41° 45′ 35″ North

Longitude: -70.5805 -70° 34′ 50″ West

UTM Zone: Zone 19 North

UTM X Meters: 368613.74

UTM Y Meters: 4624314.72

Elevation: 71.84' above sea level

Maps Provided:

2012 1921 1979 1894

1967 1888, 1889

1951, 1953

1943

1941

1940 1933

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Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Sagamore 2012 7.5-minute, 24000



Pocasset 2012 7.5-minute, 24000

1979 Source Sheets



Sagamore 1979 7.5-minute, 25000 Photo Revised 1979 Aerial Photo Revised 1977



Pocasset 1979 7.5-minute, 25000 Photo Revised 1979 Aerial Photo Revised 1977

1967 Source Sheets



Sagamore 1967 7.5-minute, 24000 Aerial Photo Revised 1966



Pocasset 1967 7.5-minute, 24000 Aerial Photo Revised 1966

1951, 1953 Source Sheets



Sagamore 1951 7.5-minute, 24000 Edited 1951



Pocasset 1953 7.5-minute, 24000 Edited 1953

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1943 Source Sheets



Plymouth 1943 15-minute, 62500

1941 Source Sheets



Sagamore 1941 7.5-minute, 31680 Edited 1941



Pocasset 1941 7.5-minute, 31680

1940 Source Sheets



Sagamore 1940 7.5-minute, 31680

1933 Source Sheets



Sagamore 1933 7.5-minute, 24000

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1921 Source Sheets



Plymouth 1921 15-minute, 62500

1894 Source Sheets



Plymouth 1894 15-minute, 62500

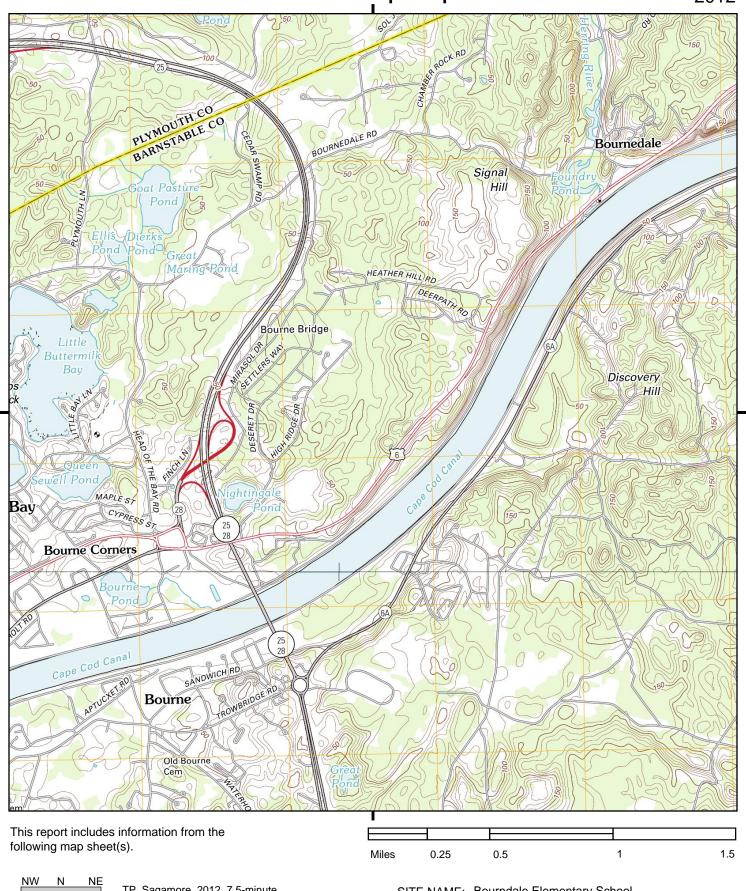
1888, 1889 Source Sheets



Falmouth 1888 15-minute, 62500



Plymouth 1889 15-minute, 62500



W E S SE SW

TP, Sagamore, 2012, 7.5-minute

S, Pocasset, 2012, 7.5-minute

SITE NAME: Bourndale Elementary School

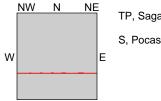
41 Ernest Valeri Rd ADDRESS:

Buzzards Bay, MA 02532

Fuss & O'Neill, Inc. CLIENT:







SE

SW

S

TP, Sagamore, 1979, 7.5-minute

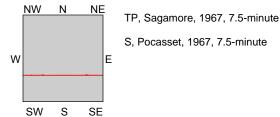
S, Pocasset, 1979, 7.5-minute

SITE NAME: Bourndale Elementary School ADDRESS: 41 Ernest Valeri Rd

Buzzards Bay, MA 02532 CLIENT: Fuss & O'Neill, Inc.

1 - N





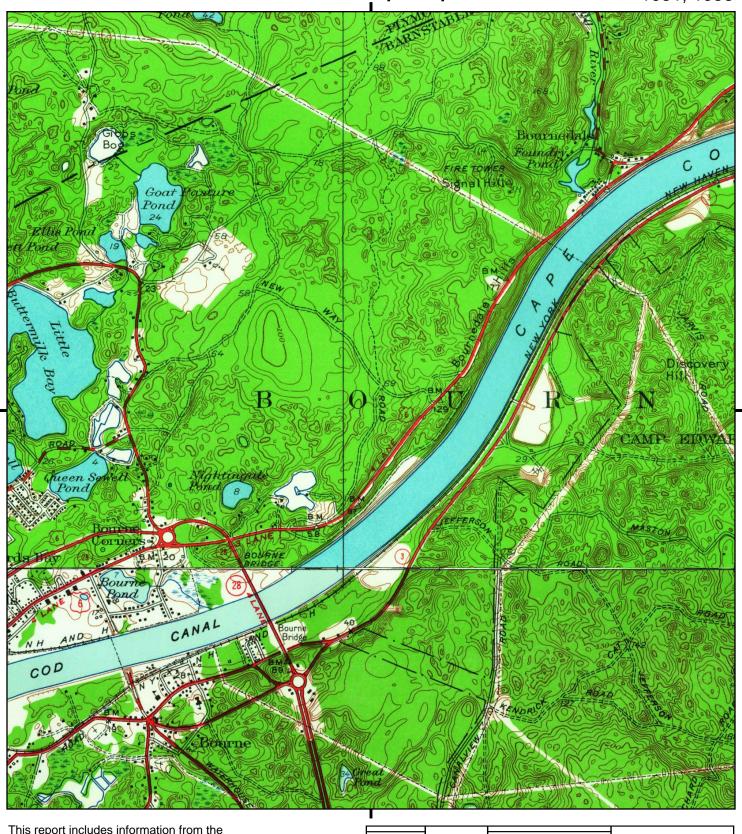
SITE NAME: Bourndale Elementary School

ADDRESS: 41 Ernest Valeri Rd

Buzzards Bay, MA 02532

CLIENT: Fuss & O'Neill, Inc.

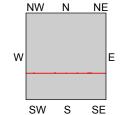




Miles

0.25

This report includes information from the following map sheet(s).



TP, Sagamore, 1951, 7.5-minute

S, Pocasset, 1953, 7.5-minute

SITE NAME: Bourndale Elementary School

ADDRESS: 41 Ernest Valeri Rd

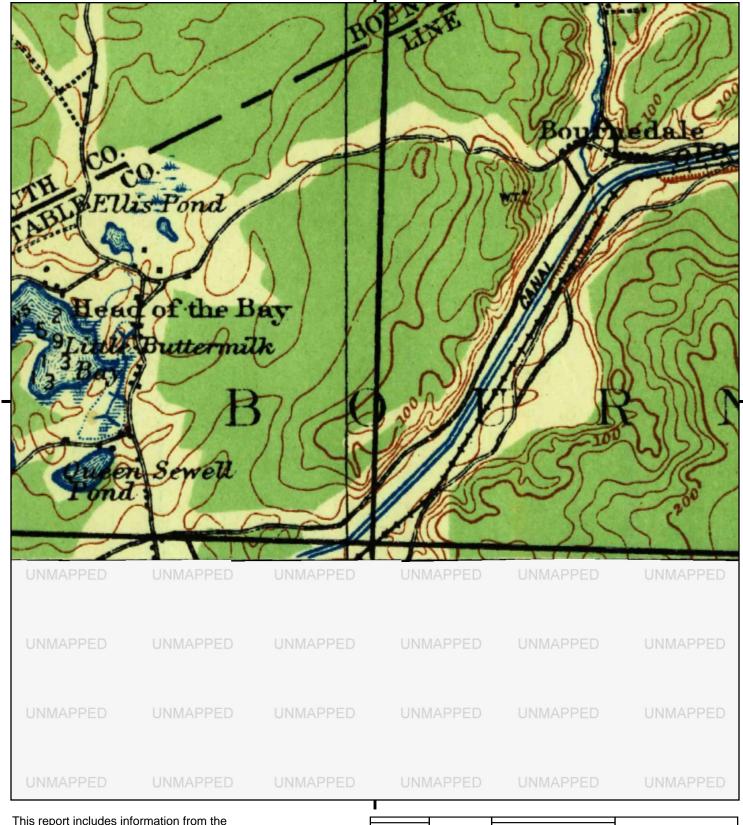
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Buzzards Bay, MA 02532

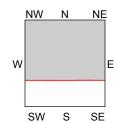
CLIENT: Fuss & O'Neill, Inc.



1.5



This report includes information from the following map sheet(s).



TP, Plymouth, 1943, 15-minute



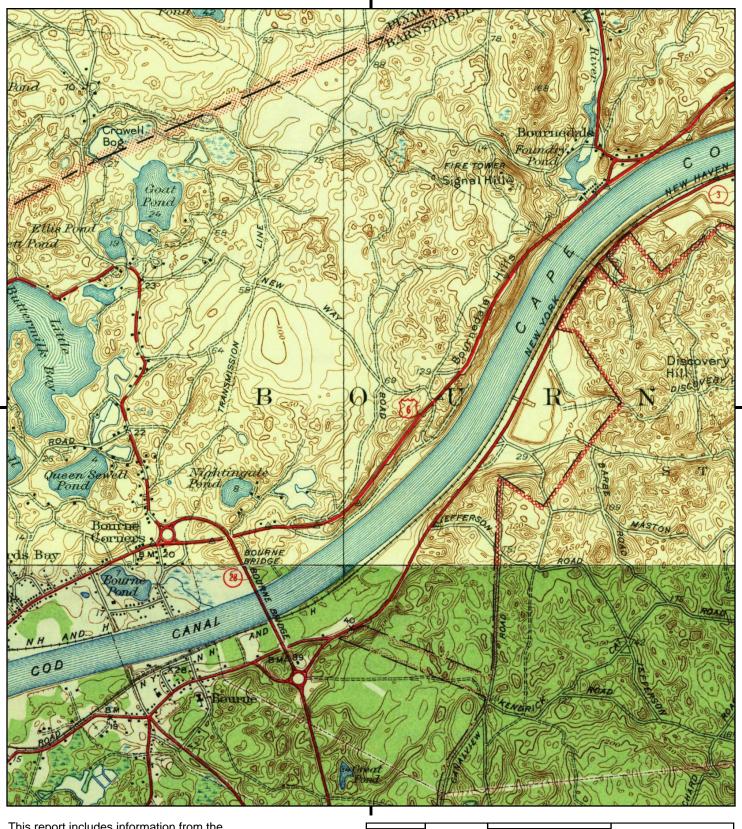
SITE NAME: Bourndale Elementary School

ADDRESS: 41 Ernest Valeri Rd

Buzzards Bay, MA 02532

CLIENT: Fuss & O'Neill, Inc.

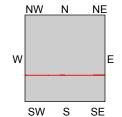




Miles

0.25

This report includes information from the following map sheet(s).



TP, Sagamore, 1941, 7.5-minute

S, Pocasset, 1941, 7.5-minute

SITE NAME: Bourndale Elementary School

ADDRESS: 41 Ernest Valeri Rd

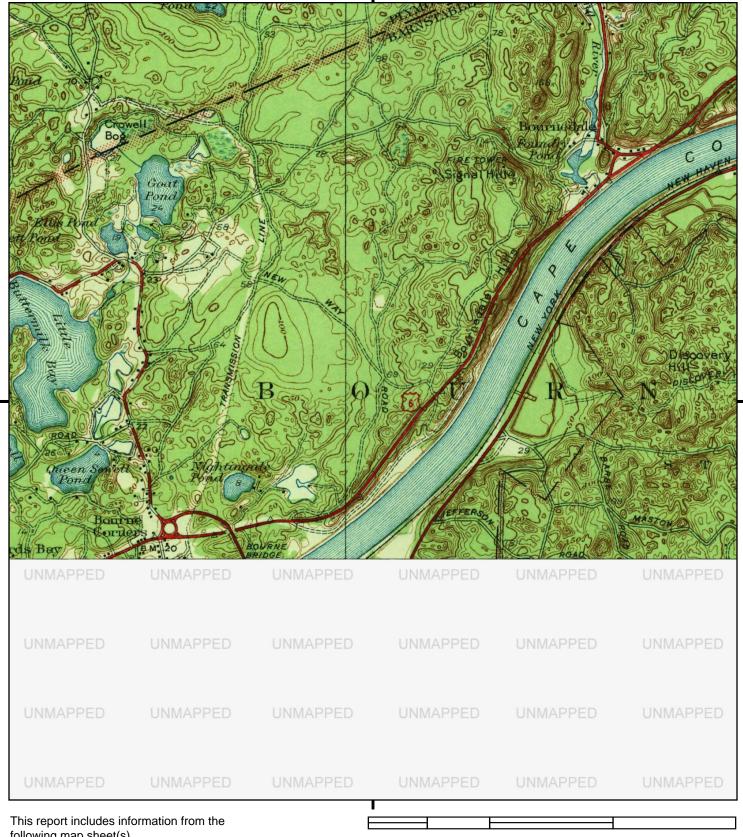
0.5

Buzzards Bay, MA 02532

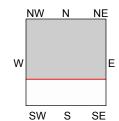
CLIENT: Fuss & O'Neill, Inc.



1.5



following map sheet(s).



TP, Sagamore, 1940, 7.5-minute

0.5 1.5 Miles 0.25

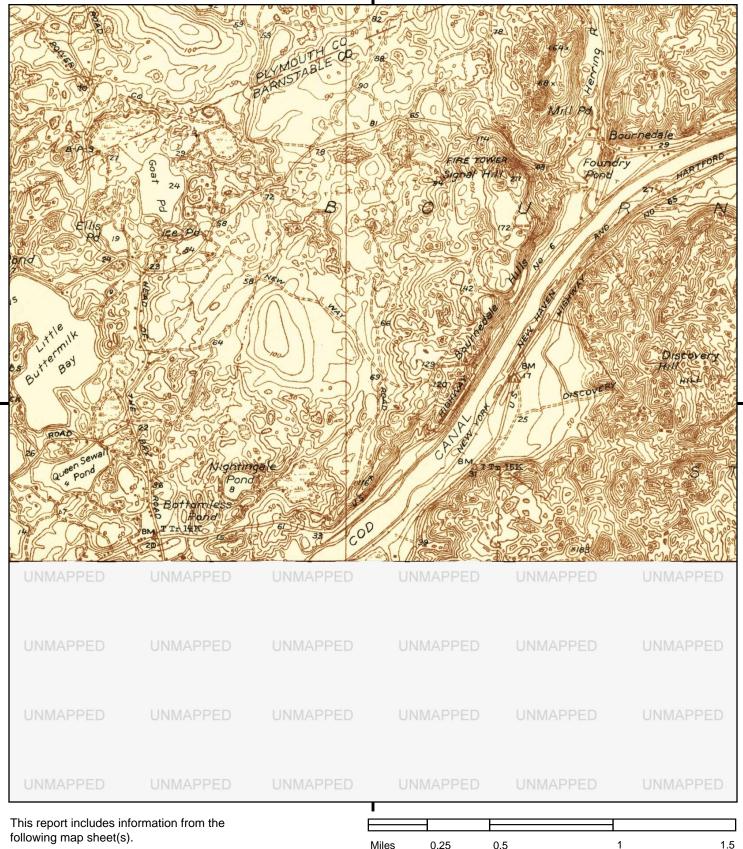
SITE NAME: Bourndale Elementary School

41 Ernest Valeri Rd ADDRESS:

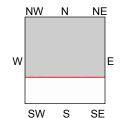
Buzzards Bay, MA 02532

Fuss & O'Neill, Inc. CLIENT:





following map sheet(s).



TP, Sagamore, 1933, 7.5-minute

0.5 Miles 0.25

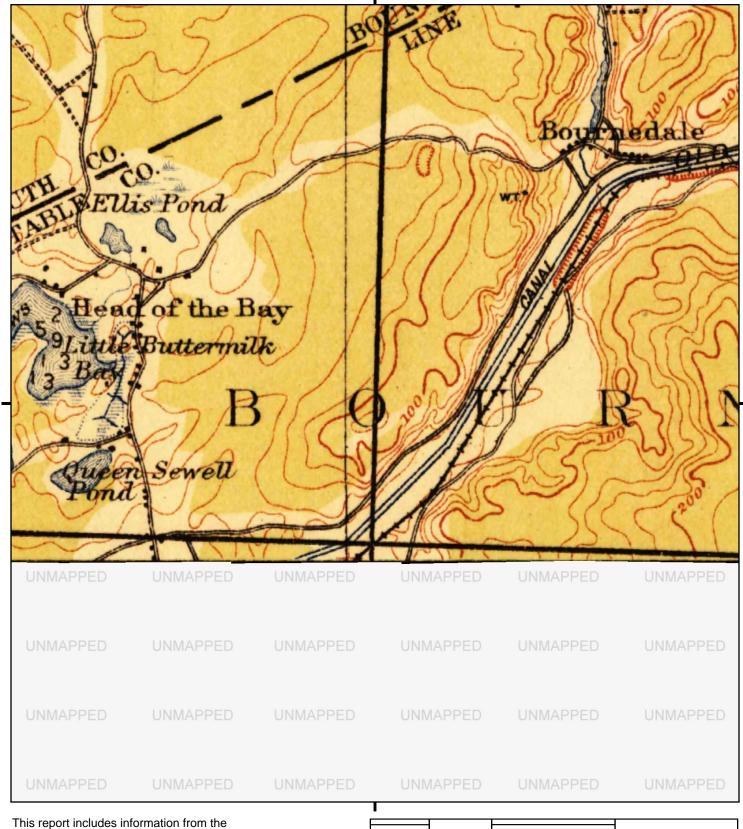
SITE NAME: Bourndale Elementary School

41 Ernest Valeri Rd ADDRESS:

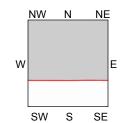
Buzzards Bay, MA 02532

Fuss & O'Neill, Inc. CLIENT:





This report includes information from the following map sheet(s).



TP, Plymouth, 1921, 15-minute

Miles 0.25 0.5 1 1.5

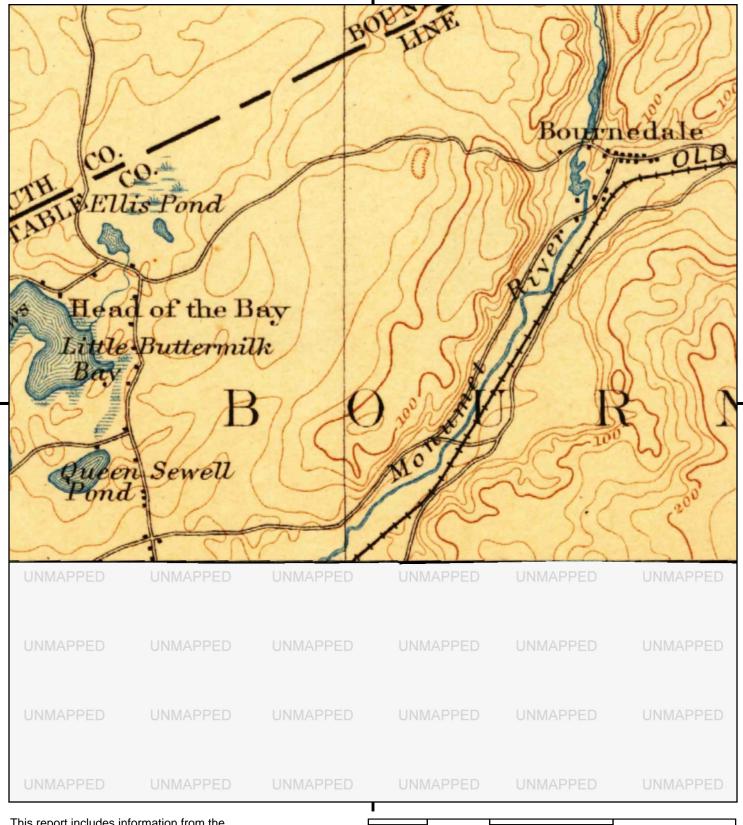
SITE NAME: Bourndale Elementary School

ADDRESS: 41 Ernest Valeri Rd

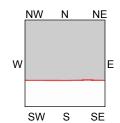
Buzzards Bay, MA 02532

CLIENT: Fuss & O'Neill, Inc.





This report includes information from the following map sheet(s).



TP, Plymouth, 1894, 15-minute

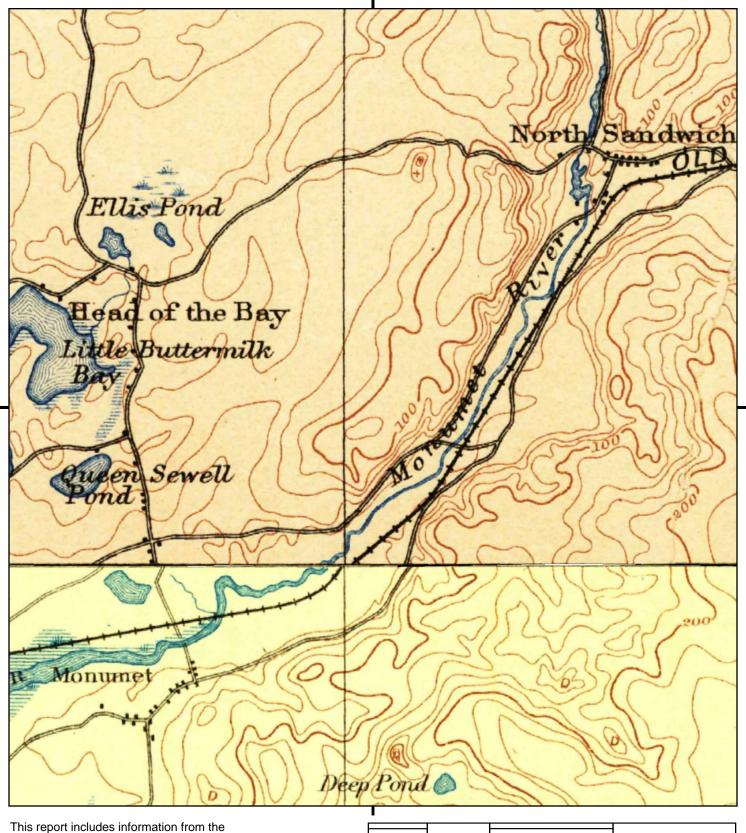
Miles 0.25 0.5 1 1.5

SITE NAME: Bourndale Elementary School

ADDRESS: 41 Ernest Valeri Rd

Buzzards Bay, MA 02532

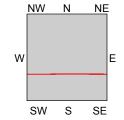
CLIENT: Fuss & O'Neill, Inc.



Miles

0.25

This report includes information from the following map sheet(s).



TP, Plymouth, 1889, 15-minute

S, Falmouth, 1888, 15-minute

SITE NAME: Bourndale Elementary School

ADDRESS: 41 Ernest Valeri Rd

0.5

Buzzards Bay, MA 02532

CLIENT: Fuss & O'Neill, Inc.

1.5



Appendix E

Completed Questionnaires



PHASE I USER QUESTIONNAIRE PAGE 1 of 2

| SITE NAME: Bournedale Elementary School | | |
|---|--|--|
| SITE ADDRESS: 41 Ernest Valeri Road Bourne, HA 02532 | | |
| Completed By: Edward Donoghue Date: 12/10/15 | | |
| Signature: | | |
| Representing: Bourne Public Schools Phone No: (508)759-0660 | | |
| ASTM Questions to Address User Responsibilities: | | |
| In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2001 (the "Brownfields Amendments") the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete. | | |
| 1) Environmental liens that are filed or recorded against the property (40 CFR 312.25). Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law? If yes, please explain: | | |
| 2) Activity and use limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and (vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law? If yes, please explain: | | |
| NO | | |
| 3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the <i>property</i> or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If yes, please explain: | | |
| NO | | |
| 4) The relationship of the purchase price to the fair market value of the <i>property</i> if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this <i>property</i> reasonably reflect the fair market value of the <i>property</i> ? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the <i>property</i> ? | | |
| No: Not Selling | | |
| 5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? If yes, please answer the following questions: a) What were the past uses of the property? Unimproved land b) What chemicals are present or once were present at the property? Commercial Grade Cleaning Product c) What spills or other chemical releases that have taken place at the property. | | |
| 6) The degree of obviousness or the presence or likely presence of contamination at the <i>property</i> , and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). Based on your | | |



PHASE I USER QUESTIONNAIRE PAGE 2 of 2

knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Other Questions:

Risk assessments

Activity and use restrictions

ASTM Practice 1527-13 also requires that the user answer the following questions:

- 7) As the user of this ESA, are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? If so, explain:
- 8) As the user of this ESA, are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? If yes, explain:
- 9) As the user of this ESA, are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability related to hazardous substances or petroleum products? If yes, explain:
- 10) We are required to ask you as the user if you have any of the following reports in your possession. Please place an "X" next to each report that is available: _ Environmental site assessment reports Environmental compliance audit reports Environmental permits Registrations for underground or above-ground storage tank notification forms Registrations for underground injection systems Material safety data sheets Community right to know plans Safety plans, preparedness and prevention plans, spill prevention, countermeasure and control plans; facility response plans, etc. Reports regarding hydrogeologic conditions on the property or surrounding area Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws Hazardous waste generator notices or reports Geotechnical studies

Please provide Fuss & O'Neill with copies of each report or make these reports available for inspection.



Appendix F

Site Photographs



Bournedale Elementary School, Phase I ESA Site Visit – December 4, 2015



Generator located along the southern side of the building



Inside the boiler room





Storage of miscellaneous cleaning chemicals and supplies in custodial closet



Food preparation area in cafeteria





Gas connection on southeast face of building



Pumping stations for sewer system





Vacant field on southern portion of site



Stormwater detention pond on southeast side of site





Parking along western side of building, taken facing north



Northwestern corner of building





Eastern face of building



Parking lot and roadway entering the site, taken facing northeast